Appendix F

Phase I Environmental Site Assessment Report

PHASE I ENVIRONMENTAL SITE ASSESSMENT
ARROW COMMERCE CENTER PROJECT
ASSESOR'S PARCEL NUMBERS (APNS)
0229-121-33, 0229-121-34, 0229-121-35,
AND 0229-131-19
RANCHO CUCAMONGA, CALIFORNIA 91739

KLEINFELDER PROJECT NO. 24001666.001A

REPORT DATE: MARCH 29, 2024

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
ARROW COMMERCE CENTER PROJECT
ASSESOR'S PARCEL NUMBERS (APNS) 0229-121-33, 0229-121-34, 0229-121-35, AND 0229-131-19
RANCHO CUCAMONGA, CALIFORNIA 91739

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1 EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment (ESA) was performed by Kleinfelder for Ascent Environmental, Inc (Ascent) (Client), on behalf of the City of Rancho Cucamonga and BTC III Arrow Route CC, LP (Applicant/Owner/User), for property located south and southwest of the intersection of Arrow Route and Yellow Wood Road/Juneberry Drive in the City of Rancho Cucamonga (the City), San Bernardino County, California (Subject Property) (Figure 1). The Subject Property includes four parcels of land identified by the San Bernardino Assessor's Office as Assessor's Parcel Numbers (APNs) 0229-121-33-0000, 0229-121-34-0000, 0229-121-35-0000, and 0229-131-19-0000 (Figures 1 and 2).

BTC III Arrow Route CC, LP (applicant) is proposing to re-develop the Subject Property. Re-development would include the demolition and clearing of surface-paved areas and construction of five two-story (single story with mezzanine) buildings for general warehouse space, associated office space, and loading docks for truck trailers. The buildings are proposed to be surrounded by asphaltic concrete pavements in the parking and drive lanes, including 922 automobile parking spaces and 424 truck-trailer parking spaces. The proposed project would also include the creation of a new vehicle circulation system, water quality basins, utility infrastructure, exterior lighting and signage, and provide roughly 10 percent landscape coverage. In total, the proposed project would introduce approximately 1,830,729-gross-square feet of new building floor area. Vehicle access to the Subject Property would be provided by public roadways connecting the Subject Property to Arrow Route and Etiwanda Avenue.

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Information gathered and activities performed for this Phase I ESA were consistent with the guidelines in ASTM International Designation E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (the "ASTM Standard"), the All Appropriate Inquiry (AAI) section of the Small Business Liability Relief and Brownfields Revitalization Act (the Federal Brownfields Law).

A summary of findings is provided below:

- The Subject Property is located at 12451 Arrow Route, south and southwest of the intersection of Arrow Route and Yellow Wood Road/Juneberry Drive in the City of Rancho Cucamonga, San Bernardino County, California and consists of approximately 94.247 acres of land which is identified by the following San Bernardino County APNs and associated historical addresses (Figures 3 through 6):

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- APN 0229-121-33 (Parcel 2/South Parcel; Figure 4), located in the southwestern-central portion of the Subject Property, associated with addresses of 12459 Arrow Route and 12353 Arrow Route, Etiwanda CA 91739;
- APN 0229-121-34 (Parcel 1/West Parcel; Figure 3), located in the western portion of the Subject Property, associated with addresses of 12459 Arrow Route and 12343 Arrow Route, Etiwanda CA 91739;
- APN 0229-121-35 (Parcel 4/North Parcel; Figure 6), located in the north-central portion of the Subject Property adjoining Arrow Route, associated with an address of 12451 Arrow Route, Etiwanda CA 91739; and
- APN 0229-131-19 (Parcel 3/East Parcel; Figure 5), located in the southeastern portion of the Subject Property, assigned addresses of 12455 Arrow Route and 12459 Arrow Route, Etiwanda CA 91739.

- Historically, the Subject Property was developed for agricultural use from at least 1938 until 1954. A small structure was added to the southeast corner of the Subject Property in 1953, which was later identified as a water tower in the historical records. Steel mill development began circa 1959 in the southeastern portion of the Subject Property (APN 0229-131-19). By 1966, the southeastern Subject Property parcel (east parcel) had been fully developed with stockpiles associated with the industrial activities covering the parcel. Between 1975 and 1990, the melt shop, parking lots, material storage areas, and railroad spurs were developed in the western half of the Subject Property (APN 0229-121-33 and APN 0229-121-35). A thin strip of vacant land (APN 0229-121-34) remained along the western boundary of the Subject Property. By 1990, the north parcel of the Subject Property had been developed with a large commercial building (Fontana Steel) and by 2002, the vacant strip of land along the western boundary of the Subject Property had been covered with material storage. The industrial use of the property continued through 2020. Past occupants of the Subject Property APNs 0229-121-33, 0229-121-34, and 0229-131-19 included American Pipe and Construction, United Slag Processing, Ameron Steel (Ameron), Ameron Steel and Wire, TAMCO, Tervita, Tube City, Phoenix Services LLC, Olympic Mills, and Gerdau Ameristeel. Past occupants of Parcel 0229-121-35 included Ameron Pipe, Fontana Steel, Commercial Metals Company (CMC) Fabricators, and CMC Rebar. TAMCO was formed by Ameron (formerly American Pipe and Construction), Tokyo Steel, and Mitsui Corporation in 1974. TAMCO operated the melt shop, which was constructed in 1976, and later took over operating the Rolling Mill in the southeast portion of the Subject Property in 1983. TAMCO was bought by Gerdau

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Ameristeel in October 2010. Tervita, Tube City, Olympic Mills, and Phoenix Services LLC appear to have been slag management/processing businesses that operated at the TAMCO facility. The north parcel (APN 0229-121-35) had been occupied by Fontana Steel and then CMC Rebar Etiwanda between 1988 and 2022. Fontana Steel obtained the property in 1987 after Ameron, Inc sold it to Kaiser Steel, who then traded it to Fontana Steel. Fontana Steel and later CMC Rebar performed rebar manufacturing on this north parcel. BTC III Arrow Route CC LLC obtained the deed for APNs 0229-121-33, 0229-131-19, 0229-121-34 from TAMCO and the deed for APN 0229-121-35 from CMC Steel Fabricators Inc in 2021. The former structures on the Subject Property were demolished in 2022.

- Fontana Steel and later CMC Rebar were listed as small quantity generators (SQG). Oils and lubricants associated with equipment maintenance were used and stored on site. Wash water drained to a clarifier where the water was allowed to evaporate. Sludge was removed periodically. A 12,000-gallon diesel underground storage tank (UST) and fuel dispensers were installed at the Fontana Steel facility in 1989, one fuel dispenser was abandoned in 1999, and the UST and remaining fuel dispenser were removed in 2014.
- As part of the property transaction between Ameron and Fontana Steel in 1987, Ameron was to remove all hazardous materials from the property. Ameron had buried baghouse dust in three trenches on the parcel. These trenches were excavated, the baghouse dust removed, and confirmation samples were collected in 1987. Subsequent investigations were performed between 1998 and 2001 to assess if residual contamination remained. Slag material was present up to 10 feet below ground surface (bgs), no baghouse dust was observed, and soluble lead and chromium concentrations above California Code of Regulations (CCR) Title 22 soluble threshold limit concentrations (STLC) were not detected in the samples analyzed. In addition to the assessment of the former baghouse trenches, during a 1999 Phase II ESA investigation, soil samples were collected near the oil/water separator/wash area and the diesel UST. Total petroleum hydrocarbons (TPH) were not detected in these areas. The associated cleanup case was issued a No Further Action (NFA) determination on December 20, 2001.
- Based on review of regulatory database listings, TAMCO was listed as a large quantity hazardous waste generator (LQG) between 1974 and 2022. TAMCO was listed as generating aggregate slag, baghouse dust, mill scale (ferrous metal), and steel manufacture chemicals associated with steelmaking. The Facility and Manifest Data (HAZNET) database listing indicates that the following wastes were generated by TAMCO: baghouse waste, waste oil and mixed oil, oxygenated solvents, hydrocarbon solvents,

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oil/water separator sludge, detergent waste chemicals, gas scrubber waste, paint sludge, and latex waste between 1989 and 2021; contaminated soil waste from site cleanup activities between 1990 and 2021; asbestos-containing waste in 2000, 2005, 2011, 2018 and 2021; polychlorinated biphenyls (PCBs) and material containing PCBs in 1990, 1993, 2011 and 2013; hydrocarbon solvent waste between 1995 and 2015; and halogenated solvents/liquids with halogenated compounds between 1991 and 2012. Multiple USTs and aboveground storage tanks (ASTs) had historically been present at the TAMCO facility. Four 50,000-gallon fuel oil USTs (associated with a former furnace used at the Rolling Mill) had been installed in 1975 and removed in 1993; four 12,000-gallon diesel/fuel oil USTs were found by TAMCO near the southern boundary of APN 0229-131-19 and removed in 2006; one 300-gallon diesel UST was removed from near the cooling towers and generators north of the Melt Shop in 2010; a split UST consisting of a 10,000-gallon diesel compartment and a 2,000-gallon gasoline compartment and associated fuel dispensers and piping were removed in 2022; and a 10,000-gallon diesel UST was discovered during demolition of the former Melt Shop and was removed in 2023. For the 50,000-gallon USTs, approximately 474-cubic yards of impacted soil were excavated and removed. Confirmation samples were collected and areas with detected TPH were excavated and resampled until hydrocarbon concentrations were not detected. Confirmation soil samples from the 300-gallon diesel UST were reported to contain TPH-d at a concentration of 1,720 milligrams per kilogram (mg/kg); ethylbenzene at a concentration of 57 micrograms per kilogram (µg/kg); and total xylenes at 423 µg/kg. TPH-d and ethylbenzene remain in soil above commercial/industrial screening levels. For the remaining tanks, constituents in confirmation samples were either not detected or detected concentrations did not exceed commercial/industrial screening levels and cases were issued closure by the SBCFD. ASTs were reported to contain oxygen, nitrogen, propane, oil, gear oil, sodium hypochlorite, lubricating fluids, waste oil, diesel, and lime.

- Various cleanup cases were associated with the TAMCO facility. In 1986, water runoff containing baghouse dust from TAMCO had flowed into the property adjoining TAMCO to the southwest. TAMCO constructed a concrete dam to contain the runoff in 1986; however, approximately 21 acres of the adjoining property had been impacted with metals from the baghouse dust (primarily lead). Assessment and then remedial excavation were performed under direction of the Santa Ana Regional Water Quality Control Board (RWQCB) to remove the lead-impacted soil with cleanup goals of 50 mg/kg for solids and 5 milligrams per liter (mg/L) for STLC. The RWQCB closed the case November 7, 1990, after confirmation samples confirmed that the contaminated soil had been removed.

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Approximately 3,300-cubic yards of impacted soils were excavated and stabilized under a variance from the Department of Toxic Substances Control (DTSC). After stabilization, the treated soil was stockpiled and then a portion was used to backfill UST excavations in 1993.

- The United States Environmental Protection Agency (USEPA) performed a preliminary assessment of the TAMCO facility in 1994. The report indicated that some baghouse waste was irradiated when a canister containing cesium went into the furnace. A portion of this irradiated waste was sent off site for disposal at Kettleman Hills hazardous waste landfill in May 1985. The California Department of Health Services determined the irradiated load would be left in place at Kettleman Hills. The remaining waste identified as radioactive waste was sent for disposal at U.S. Ecology. TAMCO subsequently has performed radioactive screening of scrap metal brought to the facility. In 1988, soils southwest of the TAMCO facility had been impacted by runoff containing baghouse waste. Lead concentrations up to 135 mg/L, zinc up to 1,860 mg/L, and cadmium up to 5.7 mg/L were reported in soil samples from the property southwest of TAMCO. Approximately 3,300-cubic yards of impacted soils were excavated and stabilized under a variance from the DTSC. After stabilization, the treated soil was stockpiled and then a portion was used to backfill UST excavations in 1993. This report identified that the baghouse waste generated at the facility was identified as a Resource Conservation and Recovery Act (RCRA) waste, which was generally transported off site by railcar to a disposal facility. The report identified that baghouse waste was present in a 250-feet long by 100-feet wide and 25-feet tall slag pile in the northwest portion of the TAMCO facility. This slag pile was reported to have been sampled in 1993 and elevated concentrations of cadmium, chromium, lead, nickel, and zinc were present. The report identified the stabilized soil, the slag pile, and the radioactive baghouse waste as areas where hazardous wastes are present on the TAMCO facility. Stormwater runoff was reported to flow southeast and southwest. A retention basin captures the runoff to the southwest, and the runoff to the southeast flows into the Chadwick Channel. Wastewater from the cooling tower was reported to have been piped to the Chino Basin Publicly Owned Treatment Works. Waste from the maintenance shops included waste solvents, degreasers, and oils, which were stored in drums and disposed of off site. Before removal, the drummed waste was stored in a bermed concrete hazardous materials storage area. Stained concrete was observed in the maintenance areas. The USEPA preliminary assessment concluded that, based on the depth to groundwater, it is unlikely that TAMCO's operations would impact groundwater, therefore, the facility does not qualify for further remedial assessment under

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the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

- Remediation of the 41,000-cubic-yard stockpile mixed slag and baghouse dust stockpile identified in the USEPA report was performed under the oversight of the San Bernardino County Fire Department in 2000. Non-slag (baghouse dust) was separated from the slag material using a rotary drum separation method. The clean slag was tested and then sold by Olympic Mills or crushed and reused in cement. A couple of depressions filled with slag and baghouse dust were found beneath the stockpile after its remediation. These depressions were excavated, and confirmation samples collected. The slag remediation case was closed in 2002 with residual contamination remaining in soil. The closure letter indicated that the residual concentrations were below hazardous waste thresholds, and no further action was required.
- During a field inspection performed in 2005, the DTSC identified that TAMCO receives large quantities of scrap metal for smelting and producing rebar and that the scrap metal was stored in piles without containment. Scrap metal contains lead, chromium, copper, nickel, and zinc. The DTSC performed shallow soil sampling around the stockpiles and the sample analytical results indicated the presence of high lead concentrations in soil around the stockpile located at Pad 16. TAMCO completed additional sampling in 2006 and then excavated and disposed of the impacted soils. Confirmation sampling was performed to verify the removal of impacted soil. Areas were paved to the north and south of the scrap piles and barriers were installed to separate piles, and a stormwater treatment system was constructed to prevent contamination from leaving the paved areas. A State of California Environmental Protection Agency (CalEPA) DTSC, Docket No. HWCA 2005 0964, Consent Order, was signed April 26, 2007 by TAMCO and May 2, 2007 by DTSC summarizing the sampling, cleanup, and actions taken to control runoff and infiltration of metals into the soils around the piles. The Consent Order directed that TAMCO will minimize the release of contaminants by using barriers or wind breaks to prevent the powder from being carried by wind, and required routine cleanup of residual dust from scrap piles and installation of track-out controls to prevent the dust from being tracked out by trucks.
- The Subject Property was listed under BTC III Arrow Route, as an active voluntary cleanup site on Envirostor as of August 24, 2022. The application indicated that the Subject Property was vacant and the previous structures had been demolished in preparation for redevelopment. Previous occupants of the Subject Property were listed as Etiwanda Steel Producers in 1956, Ameron Steel / Ameron Pipe Products in 1970, Tamco Steel in 1974,

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Fontana Steel in 1988, Gerdau Steel in 2013, and CMC Steel in 2018. Soil and soil vapor have been impacted by historic operations at the Subject Property. Constituents of concern included pesticides/herbicides, metals, petroleum hydrocarbons, and volatile organic compounds (VOCs). Multiple closed cleanup cases were listed in association with the Subject Property, including a NFA status for lead remediation issued by the RWQCB in 1990, a NFA for UST removal issued in 1994 by San Bernardino County Department of Environmental Health (SBCDEH), excavation oversight performed by the DTSC in 2001, NFA for slag stockpile remediation in 2002 by San Bernardino County Fire Department (SBCFD), NFAs for UST removal in 2006, 2011, and 2014 by SBCFD, and a Consent Order in 2007 by the DTSC. Two Phase II ESA investigations, one by Ramboll US Consulting, Inc. (Ramboll) and one by Roux Associates, Inc. (Roux) were reported to have been performed in 2021. The Voluntary Cleanup Agreement between BTC III Arrow Route CC LP and the DTSC for the Subject Property was signed October 6, 2022 and executed on October 26, 2022.

- Ramboll advanced 99 soil bores (including 33 step-out bores) across the Subject Property in 2020 and 2021 as part of a Phase II subsurface investigation. Bores were advanced in areas of previous cleanup cases, and in a grid pattern across the Subject Property. Of these bores, 26 were converted to soil vapor probes. Slag material was encountered at depths up to 10 feet bgs in 33 of the 99 bores. In summary, soil analytical results indicated gasoline-range TPH (TPH-g) was only detected in one soil sample collected at a depth of 3 feet bgs. The TPH-g concentration detected (0.00034 mg/kg) did not exceed commercial screening levels. Diesel-range TPH (TPH-d) was present in 15 of the initial soil samples and 11 of the step-out soil samples. TPH-d concentrations ranged from 11.8 mg/kg to 9,230 mg/kg (collected at 1 foot bgs). Two of the initial soil samples (RSB-03 and RSB-05) contained TPH-d concentrations that exceeded commercial screening levels and both samples were collected at 1 foot bgs. The concentrations in the step-out bores in these areas also exceeded commercial screening levels. The TPH-d concentrations exceeding commercial screening levels were located south of the Bundling Station and near the west boundary of APN 0229-121-33. Oil-range TPH (TPH-o) was present in 19 of the initial samples and seven of the step-out samples. TPH-o concentrations ranged up to 11,000 mg/kg. TPH-o concentrations did not exceed the TPH-o commercial screening levels. VOCs including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, m,p-xylene, o-xylene, p-cymene, and tetrachloroethylene (PCE) were present in soil samples at concentrations below their respective commercial screening levels. Lead concentrations were, however, present in samples collected up to 3 feet bgs

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that were above their respective commercial screening levels, at concentrations ranging up to 2,910 mg/kg. Lead concentrations exceeding commercial screening levels were present north of the Warehouse Maintenance building, and east part of the Mobile Maintenance building. Cadmium, lead, and zinc were detected at concentrations above their respective CCR Title 22 hazardous waste thresholds (total threshold limit concentrations [TTLCs]) in three soil samples, and one soil sample had soluble lead that exceeded the RCRA toxicity characteristic leaching potential (TCLP) limit. Six samples were analyzed for PCBs and PCBs were not detected. VOCs including PCE and chloroform were detected in soil vapor samples above commercial screening levels with an attenuation factor of 0.001 applied. Chloroform was detected at concentrations ranging from 0.06 microgram per liter (µg/L) to 1 µg/L, and PCE was detected at concentrations ranging from 0.08 µg/L to 100 µg/L. PCE concentrations appeared to decrease in a second sampling event. Ramboll recommended a Site-Specific Soil Management Plan (SMP) be prepared for future construction at the Subject Property to manage the slag material present in the subsurface and the areas with TPH-d, lead, zinc, and cadmium concentrations. Ramboll concluded that the TPH-d in shallow soils above commercial screening levels appeared to be limited laterally and vertically. Ramboll recommended that soil in the areas containing elevated lead, zinc, and cadmium concentrations be removed off site for disposal. Ramboll also indicated that the PCE-impacted soil vapor appeared to be localized in the eastern portion of the Parts Warehouse building and appeared to be limited to the upper 15 feet bgs.

- Roux performed subsequent environmental investigations in 2021, 2022 and 2023, including sampling along the railroad spurs present on the Subject Property, sampling in a former chemical storage area northwest of the former Melt Shop, sampling at a wash rack located in the northern portion of APN 0229-121-33, sampling in the location of a former subsurface clarifier and aboveground oil recovery system on APN 0229-121-35, and sampling in the vicinity of former USTs. Roux's investigations identified PCB concentrations greater than screening levels in soil samples collected along the railroad spurs on APNs 0229-121-33 and 0229-131-19, and in concrete samples from an area of pink concrete in the vicinity of the Rolling Mill. Soil and soil vapor samples collected from the former chemical storage area, wash rack, and former UST areas did not contain concentrations exceeding commercial screening levels. Pesticide and herbicide concentrations in samples collected across the Subject Property do not exceed commercial screening levels. TPH-d and metals exceeding commercial screening levels are present in soil at depths less than 5 feet bgs in the southern portions of APNs 0229-

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121-33 and 0229-131-19. VOCs were not detected in soil samples greater than screening levels. Soil vapor investigations identified that PCE, trichloroethylene (TCE), benzene, and chloroform were present in soil vapor beneath APN 0229-131-19 at concentrations exceeding commercial screening levels. Roux indicated in their most recent Subsurface Investigation Report that lateral and vertical delineation of soil vapor is still required, and recommended soil vapor extraction (SVE) as a remedial method for the soil vapor impact. Roux indicated that SVE wells and a pilot test had been performed in 2022. Roux also recommended further delineation of TPH-d, metals, and semi-volatile organic compounds (SVOCs) in shallow soils, and further delineation of PCB impacted soils near the railroad spurs. Finally, Roux recommended evaluation of the physical distribution and chemical composition of the slag material present in the western portion of the Subject Property. In their Current Conditions Report, prepared in October 2023, Roux indicated that remediation was not required on APNs 0229-121-34 and 0229-121-35, and that the additional delineation activities for TPH-d and metals in soil, PCBs in soil and concrete, and VOCs in soil vapor were all present on APNs 0229-121-33 and 0229-131-19. Roux's Current Conditions Report included a workplan to perform delineation activities.

- During the Subject Property reconnaissance, the Subject Property was observed to be mostly vacant. A guard shack was present at the entrance to the Subject Property off Juneberry Drive and a paved driveway extended south into the Subject Property with a small parking lot adjoining the guard house. Three Southern California Edison (SCE) electrical substation enclosures were present in the southern portion of the Subject Property. One empty enclosure was present in the southern portion of APN 0299-131-35; and two enclosures with SCE equipment were present in the southern portion of APN 0229-131-19. Foundations of the previous steel mill operation structures (including the Melt Shop and the Rolling Mill) remained present in the south-central and southeastern portions of the Subject Property. Railroad spurs were still present extending throughout the southern Subject Property parcels. Evidence of excavation activity and multiple stockpiles were present across the Subject Property. Soil stockpiles were present on APN 0229-121-35 (address 12451 Arrow Route) and stockpiles of slag, broken concrete, and broken asphalt from the facility's previous operations and from facility demolition activities were present on the western portion of the Subject Property. The slag stockpiles appeared to be on concrete pads. Areas with dark staining were observed in the southern and western portions of the Subject Property. Utility main lines, including water, power, sewer, and storm drains, remained present on the Subject Property. A pad-mounted transformer was present in the northern portion of APN 0229-131-19 and a second pad-mounted

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transformer was present in one of the SCE enclosures on APN 0229-131-19. Two storm water detention ponds were present on the Subject Property: one in the southeast corner of APN 0229-131-19, and one in the southwest corner of APN 0229-121-33. A non-potable production well and a former three-stage catch basin were also located in the southeastern corner of the Subject Property. SVE wells associated with the site assessment activities are located in the southeast portion of the Subject Property. A former sump/clarifier was present in the southwest corner of APN 0229-131-19. During the Subject Property reconnaissance site assessment drilling activities were occurring on APN 0229-131-19. Based on the Subject Property owner representative and their consultant, Roux, ongoing site assessment activities (soil vapor assessment on APN 0229-131-19 and diesel assessment on the southern portion of APN 0229-121-33) and an active PCB investigation on APN 0229-131-19 are being conducted at the Subject Property under DTSC oversight. Some of the former structure foundations and former equipment pads remain in place as a result of the ongoing investigation.

- At the time of the Subject Property reconnaissance, the adjoining properties were observed to be commercial/industrial. A Goodman distribution center was present west of the northern portion of the Subject Property and east-northeast of the southeastern portion of the Subject Property. An unoccupied former industrial building (formerly occupied by Tree Island Wire – a steel wire manufacturer) was located west of the central portion of the Subject Property and north of the southeastern portion of the Subject Property. A trucking facility (Central Transport) was located east of the southeastern portion of the Subject Property. The properties west of the Subject Property were occupied by Parallel Products (a facility that recycles alcohol to produce ethanol), and a car auction yard (Copart Rancho Cucamonga). Railroad tracks were present adjoining the Subject Property to the south, and properties south of the railroad tracks included a vacant property with multiple stockpiles (former Etiwanda Generating station) and a SCE Battery, Energy, Storage Systems (BESS) Separator Facility. Multiple kegs, totes, ASTs, and pooling liquid were observed on the Parallel Products property; however, these likely contain alcoholic beverages that will be recycled. Additionally, there is the potential for hazardous materials to be present at the SCE facility south of the Subject Property. Hazardous materials and petroleum products were not observed to be stored on the properties adjoining the Subject Property at the time of the Subject Property reconnaissance. No other indications of obvious or suspect recognized environmental conditions (RECs) were apparent on the adjoining properties at the time of Kleinfelder's Subject Property reconnaissance.

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- According to previous environmental investigations at the former generating station property to the south and the adjoining property to the east, groundwater ranges from 300 to 400 feet and primarily flows to the southwest.
- Multiple cleanup cases are associated with the adjoining properties; however, based on the depth to groundwater it is unlikely that these releases will have impacted the Subject Property, with the exception of the following:
    - DP Etiwanda, located at 8822 Etiwanda Avenue, is located east and adjoining the southeastern Subject Property parcel (east parcel), APN 0229-131-19. This facility was listed as a voluntary cleanup case with land use restrictions. The facility was used for automobile and scrap metal recycling from 1975 through 2017 and has since been redeveloped as a transportation facility. Prior to redevelopment, a soil and soil vapor investigation of the property was performed by Ramboll in July 2018, and concentrations of metals, TPH, and PCBs were reported to be present in soil samples. Subsequently, remedial excavation was performed to remove contaminated soil. Confirmation soil samples indicated that residual metal and PCB concentrations at the property were below commercial/industrial screening levels, except for areas along the western, northern, and southern property boundaries. A Land Use Covenant between DP Etiwanda and DTSC was executed on August 19, 2020, restricting the property to commercial/industrial use. A subsequent investigation to delineate residual soil impact along the property boundaries was performed in August 2020. Refusal between 1 and 2.5 feet bgs was encountered in many of the bores along the western property boundary (adjoining the Subject Property). Based on Kleinfelder's review of the investigation results, lead was reported to present at a maximum concentration of 379 mg/kg in a 0.5-foot soil sample in the west-northwest boundary of the property in 2018. Samples from the step-out bore advanced to the west of the location of the maximum result in 2020 indicated that lead was present at 0.5 foot at 83 mg/kg, and at 6.9 mg/kg at 2 feet. PCB concentrations were present above commercial screening levels in soil samples collected from the 2018 excavation on the west-southwest boundary of the property. The maximum concentration of Aroclor-1248 was 11.7 mg/kg at 0.5 feet and the maximum concentration of Aroclor-1254 was 2.47 mg/kg, also in a 0.5-foot sample, though PCB concentrations were reported at depths down to 3 feet bgs at some locations. Only a 0.5-foot sample was collected at the step-out location to the west of the highest Aroclor-1248 concentration, but the analytical results indicated an Aroclor-1248 concentration of

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0.39 mg/kg. Samples from the other two step-out bore locations contained PCB concentrations and did not further delineate the impacted soil. The southeast corner of the Subject Property adjoins this PCB-impacted area. A concrete cinder block wall was reported to be present on the Subject Property boundary preventing any further step-out bore assessments. Ramboll indicated that the residual concentrations of lead present along the south and northwest boundaries were localized and slightly above the commercial/industrial screening levels. Ramboll indicated that the step-out sample results did not exceed the previously maximum-detected PCB result and that the concrete cinder block wall along the western boundary acts as a barrier to limit the PCB impact. Ramboll also indicated that the lead and PCB concentrations were adequately characterized and do not present a human health risk since the property has a land use covenant limiting it to industrial use.

Based on the results of the Phase I ESA, no RECs, controlled RECs (CRECs), historical RECs (HRECs), or *de minimis* conditions were identified for the Subject Property, except for the following:

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RECs

- The long history of industrial use of the Subject Property and ongoing site assessment and cleanup activities at the Subject Property are considered a REC. This includes the presence of PCB concentration along the rail spurs and in areas around the former rolling mill on APN 0229-131-19; the presence of TPH-d, SVOCs, and metals in shallow soil on APNs 0229-121-33 and 0229-131-19; and the presence of PCE, TCE, benzene, and chloroform in soil vapor on APN 0229-131-19.
- The active Land Use Covenant (LUC), residual concentrations of metals, TPH, and PCBs, and active soil management plan at the east adjoining DP Etiwanda facility is considered a REC.
- One 300-gallon diesel fuel UST was removed from APN 0229-121-33 in November 2010. Based on confirmation soil sampling, this UST was closed with residual contamination of TPH-d and ethylbenzene present above commercial/industrial screening levels.

CRECs

- Baghouse dust waste and slag was historically stockpiled on APNs 0229-121-33 and APN 0229-121-34. The stockpile was remediated, and depressions beneath the stockpile full of baghouse dust and slag were excavated and confirmation soil samples were collected.

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The remediation case was closed by the SBCFD with residual concentrations remaining in soil and a NFA determination was issued July 2, 2002, provided land use of the Subject property didn't change. Ramboll performed limited soil sampling in the footprint of the former slag stockpile. Soil analytical results did not exceed commercial/industrial screening levels; however, there remains the potential for pockets of lead impacted soil to remain.

- A lead-impacted area north of Pad16 was excavated in 2006. Confirmation samples were collected and overexcavation performed wherever lead exceeded hazardous waste thresholds. DTSC and TAMCO signed a Consent Order in 2007 concerning actions taken to control runoff and infiltration of metals into the soils around the piles. Ramboll collected soil samples from a bore advanced in the approximate center of the Pad 16 remedial excavation. Analytical results did not exceed commercial screening levels.

HRECs

- Soil contaminated by metal impacted runoff water on the adjoining property southwest of APN 0229-121-33 was excavated, stockpiled, and stabilized between 1989 and 1990. The stabilized soil was stockpiled on the former TAMCO facility for use in future construction projects. SARWQCB issued a NFA on November 7, 1990.
- Four 50,000-gallon fuel oil USTs were removed from APN 0229-131-19 in November 1993, and approximately 474-cubic yards of impacted soil were excavated and removed. Confirmation samples were collected and areas with detected TPH were excavated and resampled until hydrocarbon concentrations were not detected. The San Bernardino County Department of Environmental Health Services determined NFA on April 28, 1994.
- Stabilized soil from the 1990 cleanup case summarized above was used as backfill for excavation of the four fuel oil USTs removed in 1993. Roux collected soil samples from the backfill material in this former UST excavation area. Soil analytical results do not exceed commercial screening levels.
- Baghouse dust waste and slag was excavated from trenches in APN 0229-121-35 in 1988 under oversight by the DTSC. Between 1998 and 2001, samples were collected from within and adjoining the trenches. Sample analytical results indicated that the remaining metals concentrations met health-based criteria for unrestricted land use in a letter dated December 20, 2001.

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- Four 12,000-gallon diesel USTs were removed from the southwest portion of APN 0229-131-19 in 2006. Confirmation samples indicated that analyzed constituents were not detected.
- One 12,000-gallon diesel UST was removed from APN 0229-121-35 in June 2014. Based on confirmation samples, no significant release had occurred and the case was closed.
- A dual-compartment UST (one compartment 10,000-gallon diesel and one compartment 2,000-gallon gasoline) and associated equipment was removed from the northwest portion of APN 0229-131-19 in December 2022. Constituents in confirmation samples were either not detected or detected concentrations did not exceed commercial/industrial screening levels. The case was issued closure by the SBCFD.
- A 10,000-gallon UST was discovered during demolition of the Melt Shop. This UST was removed in 2023. Constituents in confirmation samples were either not detected or detected concentrations did not exceed screening levels. Closure was issued by the SBCFD.

De minimis conditions

- Dark-stained soil was observed in the southern and western portions of the Subject Property. Given the depth of groundwater, it is unlikely that potentially impacted soil has affected groundwater, and removal by excavation, confirmation sampling, and disposal is recommended.

BER

Although not considered a REC pursuant to ASTM Standard E 1527-21, the following BER has been identified:

- Buried slag material is generally not hazardous, and was historically encountered during previous investigations, therefore the presence of slag is considered a BER.

Recommendations

Based on the findings and conclusions of this Phase I ESA, Kleinfelder has the following recommendations for further assessment.

  - Continue to manage soil under a soil management plan.
  - Sampling of soil along the Subject Property boundary for organochlorine pesticides (OCPs), metals, TPH, VOCs, PCBs, and polycyclic aromatic hydrocarbons (PAHs) to assess impacts due to historical agricultural, railway right-of-way, and current

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soil management and land-use covenants in place in some of the adjacent properties.

- Kleinfelder agrees with Roux's recommendation for SVE remediation.
- Sampling of soil vapor in the proposed building footprints to assess potential impact to indoor air quality.

Deviations from the Phase I ESA Standard (if any) are discussed in Section 8 of this report. This report is subject to the limitations in Section 2.5.

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2 INTRODUCTION

This report is a summary of work performed using the guidelines set forth in ASTM Designation E1527-21, *"Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process"* and AAI standards of the Small Business Liability and Brownfields Revitalization Act (the "Brownfields Law"). This report also generally conforms to the ASTM Standard's suggested table of contents. Minor format modifications have been made to the ASTM Standard's suggested table of contents to assist in better reading and understanding the report findings.

The purpose of this Phase I ESA is to identify potential or known hazardous materials, hazardous waste, and contamination, which may be present in the Subject Project vicinity. Information gathered and activities performed for this Phase I ESA were consistent with applicable guidelines set forth in ASTM Designation E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Pursuant to the ASTM Standard and limitations discussed in this report, RECs, and other environmental issues related to the Subject Property will be evaluated:

2.1 PURPOSE

The purpose of this Phase I ESA is to identify RECs, to the extent feasible pursuant to the scope of services defined in our Proposal No. MW232277.001P/LH22P146237 dated June 28, 2023 and limitations discussed in this report. As defined in the ASTM Standard, a REC is:

> *The presence of hazardous substances or petroleum products due to a release to the environment; (2) likely presence of hazardous substances or petroleum products due to a release or likely release to the environment; or (3) presence of hazardous materials or petroleum products under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.*
>
> *Note: "Likely" is that which is neither certain nor proved, but can be expected or believed by a reasonable observer based on the logic and/or experience of the environmental professional, and/or available evidence, as stated in the report to support the opinion given therein.*

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As defined in the ASTM Standard, a *de minimis* condition is:

> *A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.*

ASTM Standard E1527-21 definition of a CREC is:

> *… a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use limitations, activity and use limitations, institutional controls, or engineering controls).*

Additionally, the ASTM Standard defines HRECs, as:

> *… a past release of any hazardous substances or petroleum products that has affected the Subject Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to environmental controls.*

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The final decision on whether a past release is an HREC rests with the Environmental Professional (EP), and will be influenced by the current impact (if any) of the past release to the Subject Property.

Finally, the ASTM Standard defines a BER as:

> *"…a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations..."*

This report describes Kleinfelder's assessment methodology and documents our findings, subject to the limitations presented in Section 2.5 of this report.

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Kleinfelder professionals conducting this site assessment included Ms. Lindsey Dandridge-Perry and Mr. Alan Rodriguez, who performed the Subject Property reconnaissance, and Ms. Lindsey Dandridge-Perry, who was the primary author of this report. Ms. Lizanne Simmons provided project oversight. Resumes of Environmental Professionals are available from Kleinfelder upon request.

2.2 DETAILED SCOPE OF SERVICES

The following sections describe Kleinfelder's work scope:

Section 2, **Introduction**, includes a discussion of the purpose/reason for performing the Phase I ESA, additional services requested by the Client (e.g., an evaluation of business environmental risk factors associated with the Subject Property), significant assumptions (e.g., property boundaries if not marked in the field), limitations, exceptions, special terms and conditions (e.g., contractual), and user reliance parameters.

Section 3, **Subject Property Description**, is a compilation of information concerning the Subject Property location, legal description (if provided by the Client), current and proposed use of the Subject Property, a description of structures and improvements on the Subject Property at the time of Kleinfelder's assessment, and adjoining property use.

Section 4, **Records Review**, is a compilation of Kleinfelder's review of several databases available from Federal, State, and local regulatory agencies regarding hazardous substance use, storage, or disposal at the Subject Property and off-Subject Property facilities within the search distances specified by the ASTM Standard. Records provided by the Client are summarized, and copies of relevant documents are included in the appendices of this report. Physical setting sources (including topography and soil and groundwater conditions) and typical Client-provided information (e.g., title records, environmental liens, specialized knowledge, valuation reduction for environmental issues, and owner, property manager, and occupant information) are also summarized. Other interviews with people knowledgeable about the Subject Property (including the Client) are included in Section 7.

Section 5, **History of the Subject Property**, summarizes the history of the Subject Property and adjoining properties. This Subject Property history is based on various sources, which may include a review of historical aerial photographs, Sanborn Fire Insurance Maps, city or suburban directories, historical topographic maps, building department records, and results of previous Subject Property assessments (if any and reasonably ascertainable).

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Section 6, **Subject Property Reconnaissance**, describes Kleinfelder's observations during the Subject Property reconnaissance. The methodology used and limiting conditions are also described.

Section 7, **Interviews**, is a summary of telephone and in-person interviews performed with "Key Site Managers" that may include the Subject Property owner/manager, occupants/tenants, local government officials, and the Client. Additional interview sources may be contacted if Key Site Managers were not available prior to production of this report, and may include adjoining landowners and people with historical knowledge of the area.

Section 8, **Evaluation**, is a presentation of findings and opinions regarding the information provided in Sections 3 through 7, and presents the conclusions regarding the presence of RECs connected with the Subject Property, and Kleinfelder's recommendations.

Section 9, **References**, is a summary listing of the resources used to compile this report.

A statement of qualifications of the signatories of this report is provided in Appendix A, and pertinent documentation regarding the Subject Property is included in Appendices B through E.

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2.3 ADDITIONAL SERVICES

An evaluation of business environmental risk associated with the Subject Property was not included in Kleinfelder's scope of services. The scope of this Phase I ESA does not incorporate ASTM Standard non-scope considerations such as asbestos-containing materials (ACMs), radon, lead-based paint (LBP), lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high-voltage power lines.

2.4 SIGNIFICANT ASSUMPTIONS

Kleinfelder does not guarantee the accuracy of information supplied by its sources, but reserves the right to rely on the information in forming a professional opinion regarding the potential for contamination at the Subject Property. It is assumed the Client provided Kleinfelder all applicable and available environmental records and specialized knowledge in its possession regarding the Subject Property. Kleinfelder assumes that any potential historical agrichemical/pesticide application which may be associated with the identified historical agricultural land use was performed in a customary manner in strict accordance with the agrichemical/pesticide manufacturer labels; and this assumption does not apply to any potentially identified areas

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associated with agrichemical storage, mixing, transportation, spills, and/or disposal. If specific information was not available, Kleinfelder also made assumptions for this Phase I ESA regarding the groundwater flow direction beneath the Subject Property based on observed conditions and a review of United States Geological Survey (USGS) Topographic Maps and online USGS StreamStats drainage basin delineation tool. Kleinfelder assumed that historical aerial photographs, topographic maps, and other information was representative of conditions during periods between coverage.

Kleinfelder has not made other significant assumptions during the performance of this Phase I ESA.

2.5 LIMITATIONS AND EXCEPTIONS

Environmental assessments are non-comprehensive by nature and are unlikely to identify all environmental problems or eliminate all risk. This report is a qualitative assessment. Kleinfelder offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help the Client understand and better manage risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service, which will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

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Kleinfelder performed this Phase I ESA in general accordance with the guidelines set forth in the ASTM Standard, and the proposed scope subsequently approved by the Client. No warranty, either express or implied, is made. Environmental issues not specifically addressed in this report were beyond the scope of our services and not included in our evaluation.

Land use, Subject Property conditions (both on-site and off-site), and other factors will change over time (e.g., EDR, *The EDR Radius Map™ Report with GeoCheck®*). Since Subject Property activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of *The EDR Radius Map™ Report with GeoCheck®* (September 5, 2023), which was used in the preparation of this report. Additionally, Subject Property conditions observed were limited to readily apparent environmental conditions observed at the Subject Property.

This report may be used only by the Client and the registered design professional in responsible charge, only for the purposes stated, but in no event later than one year from the date of the

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report. Pursuant to Section 4.6 of the ASTM Standard, this report should not be relied upon after 180 days from the date of its oldest component. Land or facility use, on and off-site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time. Any party other than the Client who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the Client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party, and Client agrees to defend, indemnify, and hold Kleinfelder harmless from any claim or liability associated with such unauthorized use or non-compliance.

During the course of the performance of Kleinfelder's services, hazardous materials may have been discovered. Kleinfelder assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the Subject Project, or from the discovery of such hazardous materials. Nothing contained in this report should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, or generator, or person who arranges for disposal, transport, storage, or treatment of hazardous materials within the meaning of any governmental statute, regulation, or order. Client is solely responsible for directing notification of all governmental agencies, and the public at large, of the existence, release, treatment, or disposal of any hazardous materials observed at the Subject Property, either before or during performance of Kleinfelder's services. Client is responsible for directing all arrangements to lawfully store, treat, recycle, dispose of, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.

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2.6 SPECIAL TERMS AND CONDITIONS

No special terms and conditions were agreed to by the Client and Kleinfelder.

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3 SUBJECT PROPERTY DESCRIPTION

The Subject Property description is presented in this section and addresses the condition of the Subject Property at the time of the Phase I ESA. The Subject Property location is shown on Figure 1. Tables 3-1 through 3-4 summarize the physical characteristics of the Subject Property and adjoining properties.

3.1 LOCATION AND LEGAL DESCRIPTION

The information presented in Table 3-1 denotes the physical location and legal description of the Subject Property. This information was obtained from review of various maps (such as topographic maps and tax assessor maps), aerial photographs, public records at City and/or County offices, interviews, and/or information provided by the Client.

Table 3-1
Location and Legal Description

PARAMETER	INFORMATION/COMMENTS
LOCATION	The Subject Property is located south of Arrow Route, south and southwest of the intersection of Arrow Route and Yellow Wood Road/Juneberry Drive in the City of Rancho Cucamonga, San Bernardino County, California (see Figure 1, Subject Property Location Map).
ASSESSOR'S PARCEL NUMBER	The Subject Property is associated with APN 0229-121-33-0000, 0229-121-34-0000, 0229-121-35-0000, and 0229-131-19-0000.
LEGAL DESCRIPTION	A legal description for the Subject Property parcel is presented in the *EDR Environmental Lien and AUL Search* reports (EDR, 2023a) provided in Appendix C.
ADDRESS(ES)	Main addresses associated with the Subject Property: 12451 Arrow Route and 12459 Arrow Route, Rancho Cucamonga, San Bernardino County, California. Additional Addresses associated with the Subject Property: 12343, 12353, and 12455 Arrow Route, Rancho Cucamonga, San Bernardino County, California.
SECTION, TOWNSHIP, AND RANGE	The Subject Property is located in Township 1 South, Range 6 West, Section 8, San Bernardino Meridian and Baseline.
ZONING	Based on information available via the City of Rancho Cucamonga's Zoning Planner Viewer website at Zoning Plan Viewer (arcgis.com), the General Plan 2020 Zoning Information indicates that the western half of the Subject Property (APNs 0229-121-33-0000, 0229-121-34-0000, 0229-121-35-0000) is zoned "NI Neo Industrial", and the east parcel, APN 0229-131-19-0000, is zoned "IE Industrial Employment".

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3.2 CURRENT / PROPOSED USE OF THE SUBJECT PROPERTY

At the time of Kleinfelder's assessment, land use in the immediate Subject Property vicinity appeared to be used for commercial and industrial purposes. Current and proposed uses are described in Table 3-2.

Table 3-2
Current / Proposed Uses

PARAMETER	GENERAL OBSERVATIONS
CURRENT USE	The Subject Property is presently unoccupied.
PROPOSED USE	Kleinfelder understands the Subject Property is being considered for redevelopment. BTC III Arrow Route CC, LP (applicant) is proposing to re-develop the Subject Property. Re-development would include the demolition and clearing of surface-paved areas and construction of five two-story (single story with mezzanine) buildings for general warehouse space, associated office space, and loading docks for truck trailers. The buildings are proposed to be surrounded by asphaltic concrete pavements in the parking and drive lanes, including 922 automobile parking spaces and 424 truck-trailer parking spaces. The proposed project would also include the creation of a new vehicle circulation system, water quality basins, utility infrastructure, exterior lighting and signage, and provide roughly 10 percent landscape coverage. In total, the proposed project would introduce approximately 1,830,729-gross-square feet of new building floor area. Vehicle access to the Subject Property would be provided by public roadways connecting the Subject Property to Arrow Route and Etiwanda Avenue.

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3.3 DESCRIPTION OF STRUCTURES / IMPROVEMENTS

Structures and/or improvements observed on the Subject Property at the time of Kleinfelder's Subject Property reconnaissance are described in Table 3-3.

Table 3-3
Structures / Improvements

PARAMETER	GENERAL OBSERVATIONS
STRUCTURES	A guard shack is present at the entrance to the Subject Property off Juneberry Drive. Three SCE electrical substation enclosures (one empty enclosure in the southern portion of Parcel 2, and two enclosures with SCE equipment in the southern portion of Parcel 3) are present on the Subject Property. No other structures remain on the Subject Property.

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Table 3-3 (Cont'd.)
Structures / Improvements

PARAMETER	GENERAL OBSERVATIONS
IMPROVEMENTS	Utility main lines, including water, power, sewer, and storm drains, are present on the Subject Property. A pad-mounted transformer is present in the northern portion of APN 0229-121-19 and a second pad-mounted transformer was present in the SCE enclosure on APN 0229-121-19. Two storm water detention ponds were present: one in the southeast corner of APN 0229-121-19, and one in the southwest corner of APN 0229-121-33 the Subject Property. One non-production water well was present in the southeast corner of the Subject Property. Three soil vapor wells were located in the southeast portion of the Subject Property. A former sump/clarifier was present in the southwest corner of APN 0229-121-19.

3.4 CURRENT USES OF ADJOINING PROPERTIES

Kleinfelder performed a brief drive-by survey of the properties adjoining the Subject Property on September 25, 2023. A summary of the surrounding properties is presented in Table 3-4 and shown on Figure 2, Subject Property Vicinity Map.

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Table 3-4
Adjoining Properties

DIRECTION	LAND USE DESCRIPTION
NORTH	APN 0229-121-35 and APN 0229-121-34 (the northern portion of the Subject Property) are adjoined by Arrow Route. Planet Storage Center (a storage rental facility) and AMQ Solutions (an office furniture manufacturer) are present north of the Subject Property, across Arrow Route. The eastern portion of the Subject Property (APN 0229-121-19) is adjoined to the north by the former Tree Island Wire facility located at address 12459 Arrow Route, Rancho Cucamonga.
EAST	The Subject Property APN 0229-121-19 is adjoined to the east by Goodman Logistics Center Rancho Cucamonga and Central Transport; APN 0229-121-35 is adjoined to the east by Juneberry Drive and then Goodman Products (GP) Distribution Center.
SOUTH	The Subject Property is adjoined to the south by railroad right-of-way. The former Etiwanda Generating Station is present south of the eastern portion of the Subject Property (APN 0229-121-19), across the railroad right-of-way. SCE BESS is present south of the western portion of the Subject Property (APNs 0229-121-33 and APN 0229-121-34), across the railroad right-of-way.
WEST	The northwestern portion of the Subject Property (APN 0229-121-34) is adjoined to the west by Parallel Products, a recycling facility for distressed alcoholic or non-alcoholic beverage products. The remainder of the Subject Property is adjoined to the west by Copart – Rancho Cucamonga, a car auction facility.

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The adjoining properties were observed to be commercial/industrial. Hazardous materials and petroleum products were not directly observed to be stored on the properties adjoining the Subject Property at the time of the Subject Property reconnaissance. Multiple kegs, totes, and ASTs were observed on the Parallel Products property; however, these likely contain alcoholic beverages that will be recycled. However, there is the potential for hazardous materials to be present at the SCE facility south of the Subject Property and at the other commercial/industrial facilities. No other indications of obvious or suspect RECs were apparent on the adjoining properties at the time of Kleinfelder's Subject Property reconnaissance.

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4 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The purpose of the records review was to obtain and review records that would help to evaluate RECs of potential concern in connection with the Subject Property and bordering properties. Federal, state and local regulatory agencies publish databases or "lists" of businesses and properties that handle hazardous materials or hazardous waste, or are the known location of a release of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. Kleinfelder contracted a commercial database service, EDR of Shelton, Connecticut to perform the government database search for listings within the appropriate ASTM Standard minimum search distance of the Subject Property. Kleinfelder provided EDR with a Subject Property map to incorporate the search distances from the Subject Property boundary. Included in *The EDR Radius Map™ Report with GeoCheck®* is a listing of specific databases outlined by the ASTM Standard. A listing of the search distances, databases evaluated, dates the databases were last updated, and types of information contained in each database are included in the regulatory database search provided as Appendix B to this report.

EDR utilizes a geographical information system to plot the locations of reported spills, leaks, incidents, etc. Kleinfelder reviews this information to help establish if the Subject Property, or nearby properties, have been included in the noted databases and lists. Each of the listings was reviewed to assess whether the corresponding property details included in the EDR report revealed a potential environmental impact to the Subject Property. A number of listings in the EDR database report were found not to have the potential to impact the Subject Property based on the following, or a combination thereof:

- The listed property was located at a distance where the facility would be unlikely to impact the Subject Property based on Kleinfelder's evaluation of the relevant data in the EDR report and knowledge of the Subject Property vicinity.
- The listed property was located in a down-gradient or cross-gradient direction from the Subject Property, based on the anticipated direction of groundwater flow at the property being evaluated, and is located at a distance that would be unlikely to impact the Subject Property. Note that groundwater flow direction may be variable in the vicinity of the Subject Property and determinations as to down- or cross-gradient direction were made only when groundwater flow direction was available for a specific property.

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- The listed property was identified in the UST or SQG databases and was not on or immediately adjoining the Subject Property. The property was not listed in other databases that reported a release of a hazardous substance or petroleum product and/or was not listed as having environmental violations. The listing of a facility on these databases alone is not indicative of an unauthorized release.
- The listing for the facility suggested a short-term release had occurred (i.e., from incidental traffic accidents, or chemicals from illegal drug labs found at residences) with associated response actions completed.
- The quantity of the hazardous substances or petroleum product released from an off-site facility was not considered to have resulted in contamination above the most stringent criteria that would require regulatory action. Therefore, no impact to the Subject Property is anticipated.
- The listed property record indicates that the property was characterized, the reported release affected soil only, the listed property was not on or adjacent to the Subject Property, and the release was not recognized as indicative of area-wide conditions or was characterized as a soil removal action only.
- The listed property record indicates that contamination on the property is limited to relatively non-mobile contaminants, including PAHs and metals, in soil only, on a non-adjacent property.
- The listed property record indicates that the case has been closed to the satisfaction of the designated lead regulatory agency and residual contamination, if present, is not considered likely to affect the Subject Property based on one or more of the criteria mentioned in the bulleted items above (referred in the ASTM Standard as an HREC).

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Based on these criteria indicating no material threat of a release that affected the Subject Property and/or no release that could require future regulatory agency oversight, these listings were not evaluated further and are not discussed in the following sections.

4.2 RESULTS OF DATABASE SEARCH

The remaining property listings were reviewed to assess whether these properties had environmental releases, which may have resulted in RECs in relation to the Subject Property. The listed properties for which a reported release may have resulted in a REC were further assessed by performing a review of agency files available through the RWQCB / State Water Resources Control Board (SWRCB's) GeoTracker™ website (https://geotracker.waterboards.ca.gov/) and

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other relevant regulatory agency websites, to evaluate whether the listed release represents a potential impact to the Subject Property.

4.2.1 Subject Property Listings

No listings were available for Subject Property addresses 12353 Arrow Route and 12343 Arrow Route. The following listings were available for the Subject Property addresses 12451 Arrow Route and 12459 Arrow Route. The listings for address 12455 Arrow Route appeared to be associated with the Goodman property, adjoining to the east.

<u>12451 Arrow Route (associated with APN 0229-121-35, the northern Subject Property parcel)</u>

- Fontana Steel Inc was listed in the Facility Index System/Facility Registry System (FINDS), Enforcement & Compliance History Information (ECHO), California Hazardous Waste Tracking System (HWTS), HAZNET, and UST databases. This facility was listed in the FINDS database due to its listing in the DTSC-Envirostor database. Fontana Steel was listed in the HWTS database from September 17, 1998 through June 30, 2002. The North American Industry Classification System (NAICS) description for Fontana Steel was “forging and stamping”. Waste generated included aqueous solution with less than 10 percent total organic residue.
- BTC III Arrow Route / BTC III Arrow Route CC LP was listed in the EnviroStor, Voluntary Cleanup Program (VCP), National Pollutant Discharge Elimination System (NPDES), San Bernardino Co. Permit, California Integrated Water Quality System (CIWQS), and California Environmental Reporting System (CERS), databases. The past use of this property was identified as metal manufacturing under the name Fontana Steel, Inc. Fontana Steel has a voluntary cleanup case open December 22, 2000. No contaminants were reported to have been identified. A preliminary endangerment assessment report was completed on December 20, 2001 and indicated that no further action was determined. This facility is listed in Envirostor as an active voluntary cleanup site as of August 24, 2022 under BTC III Arrow Route. This is further discussed in Section 4.3.4. The NPDES database listing was under the names Fontana Steel and CMC Rebar Etiwanda and was listed as effective December 31, 1997 and terminated January 27, 2022. A NPDES storm water construction-industrial permit was listed in the NPDES, California Integrated Water Quality System (CIWQS), and CERS databases for BTC III Arrow Route CC LLP as active effective June 10, 2022. CMC Rebar Etiwanda was listed in the San Bernardino Co. Permit database as having inactive hazardous chemical handler and SQG permits as of October 31, 2022. Other permits indicate that CMC Rebar

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maintained ASTs (Aboveground Petroleum Storage Act [APSA] 1,320-10,000-gallon facility capacity, permit listed as inactive October 31, 2017) and USTs (Regular UST Annual Inspection per tank permit listed as inactive October 31, 2017). This facility was also listed as having a Emergency Planning and Community Right-To-Know Act (EPCRA) facility permit which was inactive as of October 31, 2013. The CIWQS database indicated that a storm water industrial permit had been associated with Fontana Steel and CMC Rebar Etiwanda from December 31, 1997 through January 27, 2022.

- CMC Rebar Etiwanda (Commercial Metals Co) was listed in the Toxic Release Inventory System (TRIS), FINDS, and ECHO databases. CMC Rebar Etiwanda was indicated to report to the TRIS database from 2000 to 2021 for nickel compounds.
- CMC Steel Fabricators – DBA, CMC Rebar was listed in the HWTS, HAZNET, FINDS, ECHO, and RCRA Non-Generator/No Longer Regulated (Nongen / NLR) databases. CMC Steel Fabricators – DBA was listed in the HWTS database in 1994 under EPA ID CAL000120760. The NAICS descriptions for this facility included custom roll forming, fabricated structural metal manufacturing, metal window and door manufacturing, and ornamental and architectural metal work manufacturing. A 12,000-gallon diesel UST was listed as having been present at CMC Rebar Etiwanda from June 1, 1989 to August 14, 2014. The RCRA Listings for CMC Steel Fabricators-DBA indicated that this facility was not a generator in 1994 and 2022. No violations were listed.

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<u>12459 Arrow Route / 12459 Arrow Route, Suite B (associated with Subject Property APNs 0229-121-19, 0229-121-33, 0229-121-34, and the east adjoining APN 0229-131-24)</u>

- TAMCO / TAMCO Inc / TAMCO Steel / TAMCO Rancho Cucamonga is listed in the Emissions Inventory (EMI), Toxic Substance Control Act (TSCA), Integrated Compliance Information system (ICIS), US Airs, Potential Responsible Parties (PRP), AST, UST, leaking underground storage tank (LUST), Recovered Government Archive LUST (RGA LUST), HWTS, HAZNET, Superfund Enterprise Management System Archive (SEMS-Archive), RCRA-SQG, Envirostor, Cleanup Program Sites (CPS-SLIC), VCP, Statewide Environmental Evaluation and Planning System (SWEEPS) UST, Hazardous Substance Storage Container Database (HIST UST), EPA Watch List, Cortese, Hist Cortese, San Bernardino Co. Permit, CERS, CERS Haz Waste, FINDS, ECHO, NPDES, CIWQS, and Waste Discharge System (WDS) databases.

  The TSCA listing for TAMCO indicated that 1-billion-pounds per year or greater aggregate slag, dust, mill scale (ferrous metal), and steel manufacture chemicals associated with

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steelmaking was generated in 2006, 2012 to 2015 (with parent Company Gerdau Ameristeel, Inc / Gerdau USA, Inc) and in 2016 to 2019 (with domestic parent company Commercial Metals Co). TAMCO was listed in the ICIS database as having enforcement actions including notices of violation and administrative orders from the Air Program. TAMCO was listed in the US AIRS database as having Title V permits in 1978 through 2016 with enforcement actions issued in 1997, 1998, 1999, 2000, 2003, 2004, 2006, 2008, and 2009. TAMCO was listed in the EMI database as generating emissions of total organic hydrocarbon gases, reactive organic gases, carbon monoxide, nitrous oxides, and sulfuric oxide gases, as well as particulate matter between 1987 and 2021. A construction NPDES permit was listed for TAMCO as active as of December 7, 2016 and terminated December 5, 2017. TAMCO was listed in the PRP database with general notice given on January 9, 1986 in relation to superfund site Micronutrient Intrenal Inc (located in Utah). This database listing indicated that the facility was not on the National Priorities List (NPL / Superfund) based on available information and a settlement date was listed as March 28, 1991. TAMCO was also listed as PRP for the Palmerton Zinc Pile (located in Pennsylvania) which is on its Final NPL stage. Based on the information available in the SEMS-Archive database listing, TAMCO was investigated by the United States Environmental Protection Agency (USEPA) in 1993 and then indicated to not be an NPL in 1994. The HWTS database indicates that TAMCO was listed as a generator from June 29, 1990 through 2021 under USEPA ID CAD982361404, with NAICS description of being an iron and steel mill and ferro-alloy manufacturer. The HAZNET database listing indicates that the following wastes were generated by TAMCO: baghouse waste, other inorganic solid waste, unspecified oil-containing waste, aqueous solution with total organic residues less than 10 percent, unspecified organic liquid mixture, other organic solid, liquids with pH less 2, and off-specification, aged, or surplus organics, alkaline solution without metals pH greater than 12.5, waste oil and mixed oil, oxygenated solvents, hydrocarbon solvents, oil/water separator sludge, detergent waste chemicals, gas scrubber waste, paint sludge, and latex waste were generated between 1989 and 2021. Contaminated soil waste from site cleanup activities were generated between 1990 and 2021. Asbestos-containing waste was generated in 2000, 2005, 2011, 2018 and 2021. PCBs and material containing PCBs were generated in 1990, 1993, 2011 and 2013. Hydrocarbon solvent waste was generated between 1995 and 2015. Halogenated solvents/liquids with halogenated compounds were generated between 1991 and 2012. TAMCO was listed as a hazardous waste generator between 1974 and 2022. RCRA listings from 2022 indicate that BTC III Arrow Route CC LP is a SQG. NAICS descriptions include Iron and Steel Mills, Ferroalloy manufacturing, rolled steel shape manufacturing, and real estate activities. RCRA

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violations included generator-general violations in 2003, 2005, and 2006. Evaluation notes from 2007, 2012, and 2013 indicate that the facility was “no longer a significant non-complier”. TAMCO was listed in the CERS database as being listed in the Toxic Release inventory (TRI) under Commercial Metals Co, with parent company Gerdau USA, Inc. San Bernardino Co Permit database indicated that TAMCO, owned by BTC III Arrow Route CC LP, had permits for being a large quantity generator (two permits), APSA 100,001-1,000,000-gallon facility capacity (one permit), regular UST annual inspection (per tank) (seven permits), universal waste (UW) handler with another Certified Unified Program Agency (CUPA) permit (one permit), and hazardous materials 71+ chemicals (one permit), listed as inactive March 31, 2023.

TAMCO was listed in the AST database for the SCE-Francis Substation owned by SCE. The AST capacity was reported to be approximately 14,116 gallons. TAMCO was listed a second time in the AST database as being owned by Gerdau Long Steel North America. No information on AST capacity was provided.

Two USTs were listed at TAMCO: one compartmentalized 2,000-gallon regular unleaded UST with a 10,000-gallon diesel UST was installed March 17, 1987. The SWEEPS UST database listed one 10,000-gallon diesel UST, one 2,000-gallon petroleum UST (listed separately but was the compartmentalized UST listed above), two 50,000-gallon fuel oil USTs, and two 50,000-gallon diesel USTs. The 10,000-gallon/2,000-gallon USTs were reported to be active as of August 29, 1988. Based on the HIST UST database listing, the four 50,000-gallon USTs were originally all diesel USTs and were installed in 1975.

A CPS-SLIC case was listed as closed November 7, 1990. A case closure letter was provided on Geotracker™ and indicated that lead-contaminated soil on a property adjoining TAMCO to the southwest had been excavated until confirmation samples verified that the lead contamination had been removed. No further information was provided.

A LUST case (T0607100309) was listed as closed May 11, 1994. Based on Kleinfelder’s review of the case closure documentation, dated February 28, 1994, four 50,000-gallon diesel USTs were removed November 4, 1993. The USTs and piping were decontaminated and scrapped to be processed into rebar at TAMCO. Remedial excavation was performed up to 23 feet, and approximately 633-cubic yards of soil was removed and disposed off site. Diesel was not detected in soil after remedial excavation.

TAMCO was listed in the EnviroStor database for a historical case dated August 31, 1995. A potential release of baghouse waste containing lead, cadmium, chromium compounds,

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and nickel was investigated by the USEPA and DTSC, and has a status of “No further action was required”.

A California Hazardous Material Incident Report System (CHMIRS) listing from 2007 indicated that a radioactive object was present in a truck that pulled up to the TAMCO Scrap metal facility on March 26, 2007.

TAMCO was listed in the CIWQS database as having a storm water construction permit from December 7, 2016 through November 20, 2017. TAMCO was listed in the NPDES database as having an industrial storm water permit from March 3, 1992 through February 7, 2022.

- Tenco Steel was listed in the Haulers Database. This listing was associated with address 12459 Arrow Route – B. The status was listed as active with the last regulatory update on May 14, 2018.
- Phoenix Services LLC / Phoenix Metal Services was listed in the San Bernardino Co. Permit, HWTS, HAZNET, RCRA Nongen / NLR, FINDS, ECHO, Haulers databases. This facility was listed at 12459-B Arrow Route. The San Bernardino Co. Permit indicated that a permit for 1,320- to 10,000-gallon AST was listed as inactive August 31, 2022 and a permit for being a SQG was also listed as inactive August 31, 2022. Phoenix was listed in the HAZNET database as generating waste between 2018 and 2021. Waste listed as generated included other organic solids and waste oil and mixed oil. No violations were listed under the RCRA listings.
- 12459 Arrow Route / 12459 Arrow Route, Suite B was listed in the CHMIRS database. TAMCO was listed as having an incident on March 26, 2018 when 50 gallons of diesel fuel was spilled. The cause of the spill was reported to have been a truck fuel tank being punctured from running into a piece of equipment. The spill was cleaned up and no waterways were impacted. A truck loaded with scrap metal was reported to have a radioactive reading at TAMCO on July 27, 2005. A release of 0.5% iron sulfate occurred on August 21, 2008. The release was caused by an operator error while loading a truck. The release was reported to have been contained. A CHMIRS incident was reported on February 17, 1989. No other information was available. The address of 12459 Arrow Route was listed in the CHMIRS database as having an incident July 10, 2003 at TAMCO Steel. Scrap pipe with radioactive residue was delivered. TAMCO declined delivery and requested to return the scrap to its source. A CHMIRS listing for incident reported February 9, 2017 involved the Chadwick Channel. A dust suppressant, “Road Pro NT”, was reported to have been released in 2017 from the Gerdau facility due to stormwater runoff from rain.

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The Chadwick Channel extended offsite to the NRG Power plant which identified the release in their water samples.

- SCE Ameron Substation / Ameron Substation was listed in the San Bernardino Co. Permit, AST, HWTS, HAZNET, FINDS, ECHO, RCRA Nongen / NLR database. The AST database listing indicated that a total of 24,908 gallons were stored in ASTs at SCE-Ameron Substation. The San Bernardino Co. Permit listing indicated that an inactive permit for hazardous materials and an inactive “APSA Exempt” permit were listed for this facility as expired on February 28, 2023. SCE Ameron Substation was listed in the HWTS database in 2007. Based on information available in the HAZNET database, waste generated in 2007 included PCBs and material containing PCBs. Ameron Substation was listed in the RCRA listings as not a generator in 2022. The owner was listed as SCE. No violations were listed.
- SCE-Pipe Substation / Pipe Station was listed in the San Bernardino Co. Permit, CERS, AST and RCRA Nongen / NLR databases. A 2,852-gallon AST was reported to be present at this substation. The SCE Pipe Substation was listed in the RCRA listing as not a generator in 2020. No violations were listed. This facility was listed in the San Bernardino Co. Permit database as having active permits “hazardous materials 1-3-chemicals special” and “APSA exempt”. The SCE pipe Substation was listed in CERS as a chemical storage facility.
- SCE was listed in the HWTS database as generating hazardous waste between July 16, 2001 and January 11, 2002, March 27 through September 24, 2007, and September 28, 2007 through March 27, 2008.
- Gerdau / Gerdau Steel was listed in the FINDS, ECHO, and CIWQS databases. The FINDS database indicated that Gerdau had a storm water industrial permit from August 7, 2017 through August 19, 2020, and was a hazardous waste generator between May 7, 2019 and April 14, 2021. The NAICS indicated that the establishment was a wire product manufacturing facility. This facility was also listed as TI Wire or Tree Island Wire. Gerdau Steel was listed in the CIWQS database for a storm water construction permit related to construction activities associated with a railroad spur. This permit was effective October 26, 2012 and terminated May 7, 2013.
- Tervita US Operations LLC / Tervita LLC was listed in the EMI, ICIS, CERS, FINDS, ECHO, RCRA Nongen / NLR databases. Tervita was listed in the EMI database in 2014 and 2015 and the CERS database indicated Tervita was also listed in the US EPA Air Emission Inventory System. Tervita was listed in the FINDS database as being listed in

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the TRIS from September 2, 2007 through 2017. The ECHO database indicated that the facility was a nonmetallic mineral product manufacturing industry. The NAICS information in the FINDS and ECHO databases indicated that the Tervita facility was “Materials Recovery Facilities” and “Ground or treated mineral and Earth Manufacturing”. Lead and manganese were listed as released at this facility with 5 to 10 pounds released onsite annually between 2015 and 2017, and 9 to 26 pounds transferred off site annually between 2015 and 2017. Tervita LLC was listed in the AST database under USEPA ID CA1000385141. San Bernardino Co. Permit database listings for Tervita indicate that an APSA 1,320-10,000-gallon facility capacity, hazardous materials, and small quantity generator permits were inactive. This facility was also listed in the ICIS database as having an administrative informal notice of violation from San Bernardino County for the air program. Tervita was listed in the RCRA listings as not a generator in 2013. No violations were identified.

- Olympic Mill Service was listed in the HWTS from March 13, 2002 through June 30, 2008 when it was listed as inactive. The NAICS for this facility indicated it performed nonmetallic mineral mining. The HAZNET database listing indicates that this facility generated aqueous solution waste with total organic residue less than 10 percent in 2003 under USEPA ID CAL000235068.
- Logistics Express Inc was listed in the HWTS in 2006. Based on the information provided in the HAZNET database, this facility generated unspecified oil-containing waste.
- Tube City IMS LLC was listed in the HWTS in 2010 to 2013 under EPA ID CAL000349774 and in 2020 under EPA ID CAC003082971. The NAICS description for this facility indicated it was an electric bulk power transmission and control facility (Pipe Substation). Hazardous waste generated at this facility listed in the HAZNET database included waste and mixed oil, liquids with pH less than 2 with metals, unspecified solvent mixture, unspecified sludge waste, unspecified organic liquid mixture, other organic solids, and unspecified oil-containing waste. and CERS databases. Tube City was listed in the San Bernardino Co Permit database as having HAZMAT handler, APSA, and special generator permits in 2012.
- I.W.P.A.D., Inc was listed in the EMI in 1996 and WDS database. No other information was available. Kleinfelder determined this listing is for the adjoining parcel to the east.
- United Slag Processing Co was listed in the EMI from 1997 through 2000 as generating particulate matter. This facility was listed in the HWTS database from August 31, 1994 through June 20, 1998 under USEPA ID CAL000122753.

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- CMC California Steel Baghouse was listed in the NPDES and CIWQS databases. A NPDES construction permit was indicated to be effective May 30, 2017 and terminated as of July 1, 2019. The operator on the NPDES permit was listed as TAMCO. The CIWQS database listed a stormwater construction permit was issued to TAMCO on May 30, 2017 and was terminated June 7, 2019.

4.2.2 Non-Subject Property Listings

The following non-Subject Property facilities were assessed as potential concerns to the Subject Property. A summary of the information is included in Table 4-1.

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Table 4-1
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Goodman Rancho SPE LLC / Goodman Logistics Center / Ameron Pipe Corp / Ameron Pipe Arrow Plant / Arrow Plant / Ameron International / Ameron International Concrete & Steel Pipe Group / Ameron So CA Div	12455 Arrow Route	Adjoins Subject Property to east	Goodman Logistics Center was listed in the Waste Management Unit Database (WMUDS/SWAT), Hist UST, Deed, CHMIRS, Land Disposal Site (LDS), Enforcement (ENF), San Bernardino Co. Permit, WDS, CIWQS, and CERS databases. Goodman Rancho SPE LLC was listed in the HWTS and HAZNET databases in 2014 for generating asbestos containing waste. Most of the database listings under Goodman were for Ameron Pipe Corp, Ameron International – Water Transmission Group, or Ameron Concrete & Steel Pipe Group. The DEED database listing related to the former Ameron International Corp., Brine Facility. This facility was listed on Geotracker as a land disposal site that was closed as of July 21, 2016. Based on the summary provided on Geotracker, Goodman purchased the property from Ameron in 2013 and redeveloped the property with the existing Goodman Logistic Center. A wastewater pond had been present on this property since 1966/1967 and had been used to accumulate industrial wastewater. This pond was expanded in 1970 and was used to hold wastewater until 1994. The pond had been installed with a polyvinyl chloride (PVC) liner but no leak detection system. The liner was removed and excavation of approximately 555 tons of soil from beneath the liner was performed in 1994. Soil sampling was performed in 1995. Total dissolved solids (TDS) concentrations were reported to be present in soil indicating that the liner had leaked. By 2005, the impacted soil had been delineated and the pond backfilled with compacted fill material, and an engineered cap was constructed over the former brine pond location. A closure report and a land use restriction were approved by the RWQCB in 2007. The 2007 “Declaration of Restrictions” was executed by Ameron International Corporation. The current “Amended and Restated Declaration of Restrictions” was executed by Goodman Rancho SPE LLC on April 22, 2015. The restrictions included not installing irrigation or landscaping on the area, not installing any water infiltration systems in the vicinity or upstream of the capped area, any future liquid-bearing piping would need to be double-walled and installed with a leak detection system, and the remedial cap must not be modified or altered without written approval of the RWQCB.

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Goodman Rancho SPE LLC / Goodman Logistics Center / Ameron Pipe Corp / Ameron Pipe Arrow Plant / Arrow Plant / Ameron International / Ameron International Concrete & Steel Pipe Group / Ameron So CA Div	12455 Arrow Route	Adjoins Subject Property to east	(Continued) The former brine pond is currently used as parking lot. Based on figures available in the cap installation report prepared by Encon in 2003, and the figures included in the land use restriction documents, the brine pond was located on the southern boundary of the Ameron Pipe Arrow Plant (current Goodman Logistic Center), which was shown to be present adjoining Arrow Route, and extend southward to the east of the Subject Property along Etiwanda Avenue. The LDS database indicates that the land disposal site case was closed July 21, 2016. The WMUDS/SWAT database listing under Goodman was for Ameron Pipe Corp and indicated that it was a facility that treats and/or disposes of liquid or semisolid waste from a servicing, producing, manufacturing, or processing operation. Ameron International – Water Transmission Group Etiwanda facility, a concrete manufacturing facility, was listed in the CIWQS database as having waste discharge requirements effective May 14, 1982 and terminated October 28, 2011. Arrow Plant was listed in the NPDES database. This listing was associated with a construction waste discharge permit for Ameron International that expired in 2011. Ameron Concrete & Steel Pipe Group was listed CIWQS as having an industrial storm water permit effective June 27, 1992 and terminated June 5, 2014. Goodman Rancho SPE LLC was listed as having a commercial construction waste discharge permit from January 31, 2014 until December 29, 2015. An enforcement letter was issued for Ameron International on January 30, 2003. A second enforcement letter was issued June 20, 2007 and required Ameron International to inspect and maintain the remedial cap on the closed brine pond.

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Goodman Rancho SPE LLC / Goodman Logistics Center / Ameron Pipe Corp / Ameron Pipe Arrow Plant / Arrow Plant / Ameron International / Ameron International Concrete & Steel Pipe Group / Ameron So CA Div	12455 Arrow Route	Adjoins Subject Property to east	(Continued) Ameron International was listed in the FINDS, ECHO, HWTS, HAZNET, CERS database. This facility was listed in the FINDS database as a concrete pipe manufacturing facility. This facility was listed as generating asbestos-containing waste in 2005 and 2006 under USEPA ID CAC002598872. The CERS database listing for Ameron International indicated that the facility was in the toxic release inventory. The Ameron International Concrete & Steel Pipe Group was listed in the HWTS database from July 23, 1982 through June 30, 2014. The NAICS listing indicated that this facility was a cement and concrete product manufacturing company. The HAZNET database listed waste generated between 1987 and 2014. Generated waste included liquids with halogenated organic compounds greater than 1,000 mg/L, hydrocarbon solvents (benzene, hexane, Stoddard, etc), unspecified aqueous solution, halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc), unspecified solvent mixture, waste oil and mixed oil, aqueous solution with less than 10 percent total organic residue, unspecified oil-containing waste, other organic solids, unspecified organic liquid mixture, empty containers less than 30 gallons, paint sludge, off-specification, ages, or surplus organics, contaminated soil from site clean-ups (1990, 2007), oil/water separation sludge, laboratory waste chemicals 561 detergent and soap, liquids with pH less than 2 with metals, alkaline solution without metals/pH greater than 12.5, PCBs and materials containing PCBs (1994, 2007, 2009, 2010, 2011), and asbestos containing waste (2001). Ameron International – Water Transmission Group was listed in the San Bernardino County Permit database as maintaining ASTs of up to 10,000-gallon capacity, as handling hazardous materials, as being a small quantity generator, and as being a EPCRA Facility. These permits were listed as inactive as of August 31, 2014.

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Goodman Rancho SPE LLC / Goodman Logistics Center / Ameron Pipe Corp / Ameron Pipe Arrow Plant / Arrow Plant / Ameron International / Ameron International Concrete & Steel Pipe Group / Ameron So CA Div	12455 Arrow Route	Adjoins Subject Property to east	(Continued) Ameron Concrete & Steel Pipe Sys, So Div / Ameron International Concrete & Steel Pipe Group was listed in the EMI, HWTS, and HAZNET databases. The Ameron Concrete Pipe Group SO was listed in the EMI database from 1990 through 2013. Etiwanda Facility was listed in the FINDS database. This facility was listed in the FINDS database as being a facility that manufactures "concrete products, except block and brick". Waste discharge requirements were initiated May 14, 1982, and ended October 28, 2011. The Hist UST listing was for Ameron Pipe Arrow Plant and indicated three 10,000-gallon diesel USTs (two installed in 1966 and one in 1980), one 12,000-gallon product UST (installation dated unknown), two 3,000-gallon product USTs (installed in 1980), one 1,000-gallon product UST (installed in 1972), two 550-galllon product USTs (installed in 1972) were present at this facility. Ameron Pipe Arrow Plant / Ameron Pipe Div, Arrow Plant was listed in the SWEEPS UST and AST databases. The database listing for three USTs, two 10,000-gallon diesel USTs and one 12,000-gallon unknown use UST, was created February 29, 1988. Ameron Pipe Div, Arrow Plant was listed in the AST database as maintaining 4,720 total gallons in ASTs. The owner was listed as Ameron International Water Transmission. Ameron So CA Div was listed in the RCRA-SQG in 1996 and 2002 and was listed as a large quantity generator in 1981. No violations were listed in the RCRA listings. The HIST UST database listing was under the name Ameron Pipe Arrow Plant and nine USTs were listed at this facility (one 12,000-gallon product UST, two 10,000-gallon diesel UST, two 3,000-gallon product USTs, one 1,000-gallon product UST, one 550-gallon product UST, and one 550-gallon waste oil UST). The CHMIRS database listing indicated that 50 gallons of diesel were spilled on March 14, 2007 at the Ameron International facility. The spill was caused by overfilling a truck during fueling. On April 6, 2012, approximately 500 to 1,000 gallons of pH water was released to a storm drain when a valve was stuck open. Though multiple USTs and releases have been reported at this facility, based on the depth to groundwater, the presence of Juneberry Drive between the Subject Property's northern parcel and this facility, and the recent redevelopment of the facility as a Goodman distribution center, in Kleinfelder's opinion it is unlikely that impact from the previous industrial activities has impacted the Subject Property.

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
TI Wire / Tree Island Wire	12459 Arrow Route 12459 Etiwanda	Adjoins Subject Property to east and north	Kleinfelder determined that the TI Wire facility shared the same address as the TAMCO facility. TI Wire / Tree Island Wire was listed in the RCRA-LGQ, LUST, AST, CHMIRS, NPDES, San Bernardino Co. Permit, CIWQS, CERS, HWTS, HAZNET, FINDS databases. TI Wire was listed in the HWTS as a hazardous waste generator as of July 23, 1982. The NAICS description indicated that TI Wire performed steel product manufacturing from purchased steel. The RCRA listings indicate that TI Wire was a large quantity generator from 2004 to 2022. Historic LQGs at this facility were indicated to be Ameron Steel Wire division in 1994 and 1996, I.W.P.A.D., Inc in 2000, and Industrial Wire Products in 2004. General-generator and generators reporting violations were listed for TI Wire in 2006 and 2017. The HAZNET database indicates that this facility generated aqueous solution with total organic residues less than 10 percent, other organic solids, other inorganic solids, waste oil and mixed oil, liquids with pH less than 2 with metals, latex waste, unspecified organic liquid mixture, unspecified oil-containing waste, organic solids with halogens, oil/water separation sludge, off-specification, aged, or surplus organics, alkaline solution (pH greater than 12.5) with metals, unspecified alkaline solution, detergent waste chemicals, unspecified sludge waste, tank bottom waste, and sulfur sludge between 1986 and 2021. Hydrocarbon solvents were generated in 1995; PCBs and material containing PCBs were generated in 1983, 1986, 1987, 1988 and 1994; and liquids with PCBs greater than 50 mg/l were generated in 1986, 1987 and 1988. Contaminated soil from site cleanup was listed as generated in 1985, 1986, 1987, 1989, 1991 and 1997. Baghouse waste was listed as generated in 1984, 1985, 1986, 1987, 1988 and 1989. TI Wire was listed in the CERS Haz Waste and San Bernardino Co Permit databases as a large quantity generator, hazardous materials handler, EPCRA facility in 2014, 2018, and 2023. TI Wire was listed as having an AST permit in 2008. TI Wire was listed as a chemical storage facility in CERS. A violation for failure to conduct a source reduction evaluation in 2017 was listed. (Continued)

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
TI Wire / Tree Island Wire	12459 Arrow Route 12459 Etiwanda	Adjoins Subject Property to east and north	(Continued) The LUST case listed under TI Wire is associated with TAMCO. The San Bernardino Co. Permit and AST database listings were for Tervita LLC. The CHMIRS listing was for TAMCO. The CERS, NPDES and CIWQS database listings indicated that Tree Island Wire USA Inc had an industrial facility storm water permit since April 3, 1992. A termination date was not listed, but TI Wire was still listed in the NPDES 2018 database as active. Operations at the facility were described as steel wire drawing and steel nail and spike manufacturing. A case development inspection performed on May 19, 2009 indicated that the water board met with four companies regarding the stormwater treatment system on the TAMCO property. A meeting on September 9, 2009 indicated that TI Wire met with the RWQCB to discuss options for new best management plans (BMPs) to prevent runoff onto the TAMCO property (located south and southwest of TI Wire). The CHMIRS listing indicated a spill of 50 gallons of sulfuric acid/water mixture occurred February 10, 2014 at Tree Island Wire after valve malfunctioned and the secondary containment overflowed onto concrete floor. The spill was neutralized and cleaned up. I.W.P.A.D., Inc was listed in the EMI in 1996 and WDS database. No other information was available. Ameron Steel and Wire / Ameron Steel and Wire Division addressed as 12459 Etiwanda was listed in the EMI, LUST, SWEEPS UST, HIST UST, Cortese, Hist Cortese, HWTS, HAZNET, and CERS databases. Ameron Steel & Wire was listed in the EMI database in 1987 as generating nitrogen oxide gas. This facility was listed in the HIST UST database as having a 10,000-gallon product UST installed in 1976. This facility was listed in the LUST and Cortese databases as having a closed LUST case for soil having been impacted with diesel in 1989. The case was closed December 4, 1990. No further information was provided. Ameron Steel and Wire was listed in the HWTS database from May 20, 1993 through October 25, 2000, and July through October, 2022. Contaminated soil from site cleanup activities was reported in the HAZNET database as generated at Ameron Steel and Wire in 1993. (Continued)

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
TI Wire / Tree Island Wire	12459 Arrow Route 12459 Etiwanda	Adjoins Subject Property to east and north	(Continued) Ameron Steel & Wire Property was listed in the EnviroStor and VCP databases as having a voluntary cleanup case closed as of April 23, 1996. Past use of the property was identified as recycling scrap metal and vehicle maintenance. Constituents of Concern (COCs) included hydrocarbon solvents, metals, unspecified solvent mixtures, and inorganic solid waste, however, confirmed COCs were not specified. A Preliminary Endangerment Assessment (PEA) was performed in 1997 and a no further action" status was issued by the DTSC. Based on review of the voluntary cleanup agreement (VCA) dated June 9, 1995, the Ameron Steel & Wire Property was described as a portion of the property identified as 14549 Arrow Route, on APN 229-131-18. A site plan attached to the agreement shows the site layout with a wire mill building in the western portion of the site, a "EVG" building in the center of the site, a settling pond near the northern boundary of the site (this is the brine pond discussed in the previous listing), and railroad spurs along southern boundary and in the eastern portion of the Subject Property. The background information provided in the voluntary agreement indicated that Ameron, Inc planned to sell the property to Industrial Wire Products (the operator at the facility). The property was described as being used to manufacture and store steel wire and related products since 1962 when the mill building (the western building) was constructed. The eastern quarter of the property was historically used to store scrap metal feed stock from the 1960s through 1970s. This stock would be transferred by rail to the adjoining steel mill facility. At the time of the VCA, the eastern portion of the property was being used by TAMCO (located south and southwest of this property) to store rebar and truck trailers. The Ameron Arrow Division Concrete and Steel Pipe Manufacturing facility and Fontana Steel were identified as being located in the vicinity of this property. The VCA indicated that heavy metals including lead had been identified in soil during soil investigations since 1989. Based on the depth to groundwater, in Kleinfelder's opinion, it is unlikely that impact from the previous industrial activities, closed LUST case, and closed VCP case, has impacted the Subject Property.

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Parallel Products / USL Parallel Products of California / DBA Brookside Vineyard Company	12281 Arrow Route	Adjoins Subject Property to the west	Parallel Products was listed in the per- and polyfluoroalkyl substances (PFAS) ECHO, CPS-SLIC, HIST UST, ICIS, US AIRS, EMI, SWEEPS UST, CA FID UST, RCRA-LQG, FUELS PROGRAM, AST, CERS HAZ WASTE, ENF, San Bernardino CO Permit, CIWQS, CERS, FTTS, and Hist Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA)/TSCA Tracking System Inspection & Enforcement Case Listing (FTTS) databases. DBA Brookside Vineyard Company was listed in the HIST UST database. This HIST UST database listing indicates that a 500-gallon unleaded product UST was historically associated with a winery at this facility. Parallel Products was listed in the FUELS Program as a gas/ethanol producer. The AST database information indicates 4,000-gallons are stored in ASTs at this property. This facility was listed in the CERS Haz Waste database as a generator of hazardous waste. Parallel Products was listed as a LQG in 2002. No violations were listed. This facility was indicated to be a manufacturer of industrial organic chemicals. A cleanup and abatement order was issued according to the ENF database, to Parallel Products Recycling facility by the WDR program on December 28, 1988 and terminated January 14, 1991 for groundwater cleanup. Other enforcement actions included an admin civil liability action effective April 21, 1989 and terminated January 7, 1992. This facility was listed in the NPDES database as active as of February 22, 2002 and in the CIWQS database as having an active waste discharge permit effective July 19, 2002. This facility was listed in the CERS database as an industrial storm water facility. Multiple administrative violations were listed for this facility including a late report July 1, 2013, failure to update hazard review and document employee training on February 21, 2023, failure to update site map and emergency response plan on April 12, 2017, a general operations/maintenance violation and failure to update hazardous material inventory on June 10, 2014, failure to update Risk Management Plan on March 6, 2020. (Continued)

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Parallel Products / USL Parallel Products of California / DBA Brookside Vineyard Company	12281 Arrow Route	Adjoins Subject Property to the west	(Continued) Parallel Products was listed in the San Bernardino Co Permit database as having active permits for hazardous Materials 11-30 chemicals, RMP Inspection – Program 2, and being a small quantity generator. A permit for risk management plan Level 2 was listed as inactive September 30, 2015. A California Accidental Release Prevention Program (CalARP) facility permit was listed as inactive September 30, 2013. An AST permit, an EPCRA Facility permit, and a waste-generating recycler (onsite) permit was listed as inactive September 30, 2013. A CA Annual fee permit was listed as inactive September 30, 2009. The CPS-SLIC case for Parallel Products was listed as closed with soil and groundwater having been impacted. No other information was available. Parallel Products was listed in the ICIS database as having Air program administrative orders. This facility was listed in the EMI database from 1995 through 2021. The SWEEPS UST database lists a 550-gallon fuel UST and a 10,000-gallon diesel UST were installed in February 29, 1988. Based on the closed case status, the depth to groundwater, cross-gradient location of this facility in relation to the Subject Property, and industrial history of this facility as a gas/ethanol producer, this facility is not considered a REC.

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
TRAC DIV TANNER CO / Soil Treatment, Rancho Cucamonga / Copart (97), Tanner Company TPAC Division	12167 Arrow Highway	Adjoins Subject Property to the west	This facility was listed in the CERS, CERS HAZ WASTE, SWEEPS UST, HIST UST, LDS, San Bernardino Co Permit, CIWQS, WMUDS/SWAT, and RCRA NonGen / NLR databases. The SWEEPS UST and HIST UST databases listed two 10,000-gallon diesel USTs active July 1, 1985. This facility was listed as a land disposal site under the name "Soil Treatment, Rancho Cucamonga", with the case closed November 11, 1998. No further information was available, and no cleanup activities were listed on the associated Geotracker™ case file. This facility was listed in the San Bernardino Co Permit database under the name Copart (YD 97) as have an active conditionally exempt small quantity generator permit and hazardous materials 1-3 chemicals permit. The CIQWS database listing was under Soil Treatment, Rancho Cucamonga and was for a land treatment project. The CIWQS permit was listed as effective November 22, 1995 through November 18, 1997. Copart was listed in the CERS database as a chemical storage facility with violations including failure to state the accumulation start date on labels, and failure to complete hazardous waste labels. The WMUDS/SWAT listing indicated that the primary waste for this facility was CNSOIL. Copart was listed as not a generator in the RCRA listings in 2012. The NAICS code description for Copart was "all other waste management services". No violations were listed under the RCRA listings. Based on the depth to groundwater, location of this facility cross-gradient to the Subject Property, and closed case status, in Kleinfelder's opinion it is unlikely that impact from the previous industrial activities has impacted the Subject Property.
DP Etiwanda / SA Recycling / SIMS Metals America	8822 Etiwanda Avenue	Adjoins Subject Property to the east	This facility was listed in the HWTS, ENVIROSTOR, VCP, DEED, CHMIRS, EMI, HAZNET, NPDES, SAN BERN. CO. PERMIT, CIWQS, CERS, RCRA-LQG, HWTS, AST, HAZNET, CIWQS, HWTS, RCRA-SQG, SWEEPS UST, HIST UST, FINDS, ECHO, EMI, HAZNET, RCRA NONGEN / NLR, and RCRA-SQG databases. (Continued)

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
DP Etiwanda / SA Recycling / SIMS Metals America	8822 Etiwanda Avenue	Adjoins Subject Property to the east	This facility was listed in Envirostor, VCP, and DEED databases as having a land-use restriction as of October 22, 2020. Past use of the property was indicated to include railroad right-of-way, USTs, and recycling scrap metal. Soil and soil vapor were reported to have been impacted with lead, PCBs, and TPH. The Envirostor listing and land use restriction are further discussed in Section 4.3.4. A CHMIRS incident dated May 21, 2003, was listed for a call regarding metal dust originating from the recycling plant. Pacific Coast Recycling, LLC was listed at this property address in the EMI database from 2008 through 2010. SA Recycling was listed at this address in the HAZNET database as generating asbestos-containing waste in 2017. Etiwanda Rancho Cucamonga (operator DP Etiwanda LLC) was listed in the NPDES database as having a construction stormwater permit effective February 26, 2018 and terminated November 20, 2020. SA recycling was listed in the NPDES database as having a scrap metal permit effective May 10, 2012 and terminated September 26, 2017. The San Bernardino Co Permit database indicated SIMSMetal America had a hazardous waste generator 0-10 employees permit and a hazmat handler 0-10 employees permit inactive July 31, 2004. SA Recycling was listed as having a APSA 1,320-10,000-gal Fac Capacity permit, LQG permit, and hazardous materials 11-30 chemicals permit inactive November 30, 2018, and an appliance recycler permit inactive November 30, 2017. The CIWQS database lists the occupant as Central Transport, an industrial trucking facility, as having an active industrial storm water permit effective April 1, 2021. Central Transport was listed in the CERS database as having a storm water industrial permit. Pacific Coast Recycling, LLC was listed in the CERS database as being listed in the US AIRS database. DP Etiwanda was listed in the HWTS database under USEPA ID CAP000332783 between January 6, 2022 and April 7, 2022. SA Recycling, a recycling material wholesale facility, was listed as not a generator in 2010, but was then listed in the HWTS database under USEPA ID CAC002925489 between August 28, 2017 and November 29, 2017 and under USEPA ID CAL000359034 between November 29, 2010 and June 30, 2018. (Continued)

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
DP Etiwanda / SA Recycling / SIMS Metals America	8822 Etiwanda Avenue	Adjoins Subject Property to the east	(Continued) DP Etiwanda was listed in the RCRA listings as a LQG in 2018 and a SQG in 2022. Generated waste included cadmium and lead in 2018 and lead in 2022. The NAICS code description for DP Etiwanda was "process, physical distribution, and logistics consulting services" in 2018 and "Freight Transportation Arrangement" in 2022. SA Recycling was listed in the AST database and the HAZNET database. Generated waste included unspecified solvent mixture, waste oil and mixed oil, halogenated solvents (chloroforms, methyl chloride, and perchloroethylene), unspecified organic liquid mixture, contaminated soil from site cleanup, PCB and material containing PCBs, aqueous solution with total organic residues less than 10 percent, other organic solids, unspecified aqueous solution, and unspecified oil-containing waste between 2010 and 2017. The contaminated soil from site cleanup waste was generated in 2017. SIMSMetal America was listed in the RCRA listings as a SQG in 1996 and 1998. No violations were listed. SIMSMetal America/Etiwanda Division was listed in the HWTS database from April 10, 1987 through June 30, 2004. Waste listed as generated at this facility in the HAZNET database includes unspecified aqueous solution, unspecified oil-containing waste, oil/water separation sludge, PCBs and material containing PCBs, other empty containers 30 gallons or more, and tank bottom waste between 1989 and 2003. Ferromet, Inc was listed in the SWEEPS UST database as having a 9,940-gallon diesel UST and a 1,009-gallon unleaded fuel UST. The HIST UST database lists Ferromet, Inc as having a 9,940-gallon diesel UST installed in 1980, a 555-gallon regular product UST/sump and a 1,009-gallon unleaded product UST installed in 1972. Ferromet, Inc was described as a recycling wholesaler that was listed in the EMI database in 1987 and 1990. Kleinfelder determined that this adjoining facility is considered a REC due to the residual concentrations of metals, TPH, and PCBs in soil and active Land Use Covenant (LUC), which require an active soil management plan to be in place annually along the property boundary.

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Generating Station, Etiwanda / Southern California Edison – Etiwanda Generating Station / Etiwanda Pumping Station & Tank Farm / EPTC Etiwanda	8996 and 8998 Etiwanda Avenue	Adjoins Subject Property to the south (noncontiguous)	The SCE Etiwanda Generating Station was listed in the WMUDS/SWAT, CHMIRS, Envirostor, and San Bernardino Co. Permit databases. This facility was listed in the CHMIRS database for an incident at the Etiwanda Generating Station on June 30, 1999. Approximately 500 gallons of cooling tower water was released into the Chadwick Channel. Vacuum trucks were used to recover the water. The SCE Etiwanda Generating Station was listed in the Envirostor database as an active corrective action case as of February 2, 1995. ASTs were historically present on site and PCBs, vanadium and compounds were listed as potentially in soil. Groundwater monitoring was performed in 2010. A Consent Agreement was completed June 3, 2021 for an Inland Empire Utilities Agency (IEUA) parcel. The San Bernardino Co Permit database listed the Etiwanda Facility as having a hazardous waste generator -10 employees permit, a Hazmat Handler 0-10 employees permit, and an AST Permit inactive August 31, 2004. EPTC Etiwanda was listed in the HWTS, HWP, HAZNET, CORRACTS, RCRA Nongen / NLR databases. The HWP database listing indicated that EPTC Etiwanda had a closed cleanup case. The facility history summarized in this listing indicated that SCE generated and stored hazardous waste in two surface impoundments in the 1980s. SCE was exempted from Hazardous Waste RCRA permit fee requirements. A variance was granted January 29, 1987 allowing SCE facilities to perform on-site treatment, and a Final Judgement was passed on February 1, 1995 to close SCE facilities (including the Etiwanda facility). Two wastewater retention basins at the Etiwanda generating facility received closure certification on December 21, 2011. The units that received closure included the Boiler Chemical Cleaning Basin, North Wastewater retention basin, south wastewater retention basin, Unit 1 Fireside wash drain system, Unit 1: boiler acid wash drain system, Unit 2: boiler acid wash drain system, Unit 2: fireside wash drain system, Unit 3: boiler acid wash drain system, Unit 3: fireside wash system sediment trap, Unit 4: acid wash drain system, and Unit 4: fireside wash system sediment trap. Closure verification was issued December 21, 2015. (Continued)

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Generating Station, Etiwanda / Southern California Edison – Etiwanda Generating Station / Etiwanda Pumping Station & Tank Farm / EPTC Etiwanda	8996 and 8998 Etiwanda Avenue	Adjoins Subject Property to the south (noncontiguous)	(Continued) The Etiwanda Pumping Station & Tank farm was listed in the HWTS database between August 29, 2003 and August 29, 2007, and in the HAZNET database as generating tank bottom waste and tank bottom waste with halogenated organics in 2005. The NAICS description was "pipeline transportation of crude oil". EPTC Etiwanda was listed in the USEPA Corrective Action Sites (CORRACTS) database as having a sitewide investigation workplan received in 2021. Investigative reports were received March 10, 2023. EPTC Etiwanda was listed in the RCRA listings as not a generator in 2023. The facility was listed as owned by SCE and was listed in the RCRA database since 1960. Historical generators for this facility include SCE in 1990 through 1996 (LQG), Etiwanda Generating Station in 1999 (LQG), EPTC Etiwanda in 1998 (SQG) and the not a generator in 2023. Generated wastes included ignitable waste, lead, benzene, spent halogenated solvents used for degreasing and spent solvent mixtures, containing PCE, TCE, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinate fluorocarbons, spent nonhalogenated solvents including xylenes, acetone, ethyl acetate, ethylbenzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol. The south adjacent Etiwanda Generating Station is not considered a REC due to the site being located downgradient, is noncontiguous, and unlikely to affect the Subject Property.
Big Three Industries / Air Liquide Corp / Air Liquide America Corp / Air Liquide Industrial U.S. LP / Air Liquide / AirGas USA, LLC / SCE Reduction Substation	12550 Arrow Route	Approximately 273-feet north-northeast	Air Liquide was listed in the RCRA-SQG, ICIS, US AIRS, FINDS, ECHO, HIST UST, WDS, RCRA Nongen / NLR, LUST, Cortese, AST, NPDES, San Bernardino Co. Permit, CIWQS, CERS, HWTS, and HAZNET databases. Big Three Industries was listed in the SWEEPS UST. The RCRA listing indicated that Big Three Industries was listed as a SQG in 1996 and as a LQG generator in 1980. (Continued)

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Big Three Industries / Air Liquide Corp / Air Liquide America Corp / Air Liquide Industrial U.S. LP / Air Liquide / AirGas USA, LLC / SCE Reduction Substation	12550 Arrow Route	Approximately 273-feet north-northeast	(Continued) Big Three Industries was listed under NAICS code description "industrial machinery and equipment wholesaler". No violations were listed. Air Liquide Industrial U.S. LP was listed as not a generator in 2012. Air Liquide Industrial U.S. LP was listed in the HWTS database from 2000 through 2008. Waste listed as generated in the HAZNET database included off-specification, ages, or surplus inorganics, other inorganic solid waste, unspecified organic liquid mixture, other organic solids, unspecified aqueous solution, liquids with pH less than 2, laboratory waste chemicals, unspecified sludge waste, waste oil and mixed oil, aqueous solution with 10 percent or more organic residue, and aqueous solution with metals between 2003 and 2016. Air Liquide was listed in the US AIRS database as being in the Stratospheric Ozone Protection Air program. In 2001 and 2014. Air Liquide was listed in the PFAS ECHO database as being an industrial gas facility. Air Liquide Corporation was listed as under Civil Judicial action in the ICIS database. The NPDES database indicated that an industrial wastewater discharge permit for Air Liquide America Corp was processed November 8, 1992 and terminated October 10, 2016 and the CIWQS database listed a storm water permit effective November 8, 1992 through September 23, 2016. A construction permit was listed in the CIWQS database as effective June 17, 2010 through July 1, 2013. Air Liquide America Corp was listed in the San Bernardino Co Permit database as having inactive hazmat handler 11-25 employee permits, dated October 31, 2002 and March 31, 2009. Big Three Industries was listed in the SWEEPS UST database has having one 12,000-gallon diesel UST, one 9950-gallon unleaded UST, and one waste oil UST (capacity not reported) active July 1, 1985. The Hist UST database indicates that one 12,000-gallon diesel UST was installed in 1977, one 9950-gallon unleaded UST was installed in 1978, and one waste oil UST was installed in 1977. Air Liquide was listed as having a closed LUST case for diesel having impacted soil. (Continued)

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Big Three Industries / Air Liquide Corp / Air Liquide America Corp / Air Liquide Industrial U.S. LP / Air Liquide / AirGas USA, LLC / SCE Reduction Substation	12550 Arrow Route	Approximately 273-feet north-northeast	(Continued) The leak was discovered during tank closure in 1991. The impacted soil was reported to have been excavated and disposed of at an approved soil recycling facility in 1995 and the case was closed February 27, 1996. The AST database listing was actually for an AST operated by SCE at the SCE-Reduction Substation. The AST capacity was reported to be 18,155 gallons. Air Gas USA, LLC, an industrial gas manufacturing facility, was listed in the RCRA Nongen / NLR as not a generator in 2019. This facility was also listed in the CERS Haz waste as a hazardous waste generator. The San Bernardino Co. Permit database indicates this facility has an active Hazardous Materials 31-50 chemicals permit, an RMP Inspection-Program 3 permit, and an active SQG. An EPCRA Facility permit was listed as inactive as of October 31, 2013, and a CalARP Facility Permit was listed as inactive October 31, 2004. The CERS database listing for Airgas USA, LLC indicated that the facility had a violation for failure to submit hazardous waste inventory. SCE Reduction Substation was listed in the San Bernardino Co. Permit and CERS databases. The San Bernardino Co Permit database lists active hazardous Materials 1-3 Chemicals Special permit and APSA Exempt permit. Based on the distance of this facility from the Subject Property, soil-only impact, the closed case status, and no significant violations, this facility is not considered a REC.

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Bernell Hydraulics Inc	8810 Etiwanda Avenue	Approximately 1,117-feet east	This facility was listed in the RCRA NonGen / NLR, RCRA – SQG, FINDS, ECHO, Envirostor, AST, VCP, CERS HAZ WASTE, CERS TANKS, NPDES, SAN BERN. CO. PERMIT, WDS, CIWQS, and CERS databases. Bernell Hydraulics was listed in CERS HAZ WASTE as a hazardous waste generator that maintained ASTs. This facility was listed as a SQG of hazardous waste in 2000. Generated waste included PCE. Bernell Hydraulics was listed in the RCRA listings as not a generator in 2011 and 2021. The NAICS code description was "industrial machinery and equipment wholesalers" in 2011 and "leather and hide tanning and finishing in 2021". No violations were listed under the RCRA listings. The San Bernardino Co Permit database listed Bernell Hydraulics Inc as having an active SQG permit, hazardous materials 4-10 chemicals permit, and APSA 1,320-10,000-gallon facility capacity permit. An inactive AST permit was listed as expired September 30, 2010. The CERS database listing indicates this facility is a chemical storage facility with violations for failure to prepare a spill prevention control and countermeasure plan, failure to label hazardous waste accumulation tanks correctly, failure to submit annual stormwater reports on time, failure to submit complete hazardous material inventory, failure to review and certify business plan annually, failure to send hazardous waste offsite for disposal within 180 days, failure to obtain USEPA ID, failure to maintain used oil receipts and waste manifests for three years, failure to submit tank facility statement, and failure to submit accurate APSA information on CERS. A CHMIRS listing for this facility listed an incident dated February 20, 2001 for the release of approximately 500-gallons of used oil. The incident description indicated that Bernell Hydraulics employees were possibly disposing of used oil over the wall into a dry drainage channel. This was reported to be under investigation. Bernell Hydraulics was listed the Envirostor and VCP databases as an active voluntary cleanup case as of September 17, 2021. The Standard Voluntary agreement was completed February 2, 2022. Supplemental site assessment activities were listed to be performed in 2023. (Continued)

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Table 4-1 (Cont'd)
Non-Subject Property Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Bernell Hydraulics Inc	8810 Etiwanda Avenue	Approximately 1,117-feet east	(Continued) Bernell Hydraulics Inc was listed in the WDS, NPDES, and CIWQS databases as active since April 26, 1995. The NPDES listing described Bernell Hydraulics as an industrial machinery and equipment facility including fluid power cylinders and actuators. Although the facility is as an active cleanup site, the potential for vapor encroachment and various impacts from hazardous materials to the Subject Property is minimal as this site is not directly adjoining, as at a distance, and as the site is at a lower elevation, therefore, this facility is not considered a REC.

In summary, the Subject Property and adjoining properties have a long history of industrial use with multiple releases, cleanup cases, and land use restrictions reported on adjoining properties. The long history of industrial use of the Subject Property vicinity is considered a REC.

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4.2.3 Orphan List

Facilities not plotted by EDR due to poor or inadequate address information are referred to as orphan facilities. Five orphan summary/unmapped facilities were listed in the EDR Radius Map Report. These orphan facilities were reviewed by Kleinfelder to assess the potential for the remaining listed facilities to pose a REC to the Subject Property. Based on the review, these listings were judged not to pose an environmental concern to the Subject Property.

4.3 OTHER RECORDS REVIEWED / AGENCIES CONTACTED

The following additional sources of environmental records were reviewed during this Phase I ESA for the purposes of meeting the ASTM Standard. Local regulatory agencies were contacted for reasonably ascertainable and practically reviewable documentation regarding RECs present at the Subject Property and adjoining facilities. Summaries of interviews with local regulatory agency representatives are included in Section 7 of this report (with interview documentation included in Appendix C). Figures associated with historical site investigations are presented in Appendix E. The following agencies (if marked with an "X") were contacted for documentation:

☒ ..... Pipeline and Hazardous Materials Safety Administration (PHMSA), National Pipeline Mapping System (NPMS).
☒ ..... State of California, California Geologic Energy Management Division (CalGEM).
☒ ..... State Water Resources Control Board, GeoTracker™ Database.
☒ ..... State of California, Department of Toxic Substances Control, EnviroStor Database.
☒ ..... South Coast Air Quality Management District (SCAQMD).
☒ ..... San Bernardino County Fire Protection District – Hazardous Materials Division (HMD).
☒ ..... San Bernardino County Building Services.
..... City of Rancho Cucamonga Building and Safety Department.
☒ ..... City of Rancho Cucamonga Fire District.

Information from these agencies is presented below.

4.3.1 Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System

Pipeline information is available at the PHMSA's online NPMS website (https://www.npms.phmsa.dot.gov). Kleinfelder researched the website's pipeline information for the Subject Property and its vicinity on September 12, 2023. Based on Kleinfelder's review, an

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active Southern California Gas Co transmission pipeline is present in Arrow Route, north and adjoining to the Subject Property. No hazardous liquid pipelines were present on or adjoining to the Subject Property. Copies of the NPMS map and pipeline information is included in Appendix C.

4.3.2 California Geologic Environmental Management (CalGEM)

Kleinfelder searched for information concerning oil and gas fields for the Subject Property on CalGEM's Well Finder database (DOC CalGEM WellFinder) on September 12, 2023. No oil or gas wells are depicted to be on the Subject Property or on the adjoining properties. A copy of CalGEM's map is included in Appendix C.

4.3.3 State Water Resources Control Board, GeoTracker™ / Los Angeles Regional Water Quality Control Board

Kleinfelder reviewed the SWRCB's GeoTracker™ Database (http://geotracker.waterboards.ca.gov/) on September 5, 2023 for information pertaining to the Subject Property and adjoining properties. The following two listings were associated with one of the Subject Property addresses:

TAMCO (T0607100309), located at 12459 Arrow Highway, was listed as having a closed LUST case as of May 11, 1994. Based on the case closure information, a release was discovered during removal of four 50,000-gallon diesel USTs on November 4, 1993. Approximately 633-cubic yards of soil was excavated from up to 23 feet bgs and removed to the Gibson Oil & Refining Facility in Bakersfield. A diesel concentration of 12,360-parts per million (ppm) was detected in soil before cleanup and diesel was not detected in soil after cleanup. The USTs were reported to have been "decontaminated & sectioned at Erickson, sent back to TAMCO as scrap to be processed into rebar."

The following listing was associated with an adjoining property:

Ameron Steel and Wire, located east at 12459 Arrow Highway was listed as having a closed LUST case as of December 4, 1990. Soil had reportedly been impacted with diesel. No further information was available.

Air Liquide, located at 12550 Arrow Route, north of the Subject Property, was listed as having a closed LUST case as of February 27, 1996. Soil had reportedly been impacted with diesel.

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Remedial excavation had been performed October 8, 1995, and the excavated soil had been recycled at “GDE Soil Recycling” in Devore, California. No further information was available.

Copies of the Geotracker™ map and findings are included in Appendix C.

4.3.4 State Department of Toxic Substances Control

Kleinfelder reviewed the DTSC’s EnviroStor website (https://www.envirostor.dtsc.ca.gov/public/) for available files pertaining to the Subject Property and adjoining properties on September 5, 2023. Kleinfelder also reviewed the available files at the DTSC Cypress office on October 25, 2023 and files at the DSTC Chatsworth office on November 16, 2023.

Based on review of the Envirostor database, BTC III Arrow Route, located at 12451 Arrow Route, was listed as an active voluntary cleanup site as of August 24, 2022. BTC III Arrow Route CC LP submitted a voluntary cleanup agreement application on August 24, 2022 for 94.247 acres of land located at the address of 12451 Arrow Route and identified as APNs 0229-121-34, 0229-121-33, 0229-131-19, and 0229-121-35 (the Subject Property). The application indicated that the Subject Property was vacant and the previous structures had been demolished in preparation for redevelopment. Previous occupants of the Subject Property were listed as Etiwanda Steel Producers in 1956, Ameron Steel / Ameron Pipe Products in 1970, Tamco Steel in 1974, Fontana Steel in 1988, Gerdau Steel in 2013, and CMC Steel in 2018. Soil and soil vapor samples indicated there has been impact by historic operations at the Subject Property. Constituents of concern included pesticides/herbicides, metals, petroleum hydrocarbons, and VOCs. Multiple closed cleanup cases were listed in association with the Subject Property including a NFA status for lead remediation issued by the RWQCB in 1990, a NFA for UST removal issued in 1994 by SBCDEH, excavation oversight performed by the DTSC in 2001, NFA for slag stockpile remediation in 2002 by SBCFD, NFAs for UST removal in 2006, 2011, and 2014 by SBCFD, and a Consent Order in 2007 by the DTSC. Two Phase II ESA investigations, one by Ramboll and one by Roux were reported to have been performed in 2021. The VCA between BTC III Arrow Route CC LP and the DTSC for the Subject Property was signed October 6, 2022 and executed on October 26, 2022. The figures attached to this agreement show the Subject Property and the former structures, UST locations, and remediation areas. The Site Diagram prepared by Roux, dated December 3, 2021, identified the Subject Property parcels as Parcel 1 through 4. Parcel 1 corresponded to APN 0229-121-34 (west parcel); Parcel 2 corresponded to APN 0229-121-33 (south parcel); Parcel 3 corresponded to APN 0229-131-19 (east parcel); and Parcel 4 corresponded to APN -229-121-35 (north parcel). Features identified on Parcel 1 included an equipment boneyard (north portion), slag processing (central portion), and Phoenix Industries

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maintenance and Processing (southcentral portion). A lead remediation area was drawn extending over the southern portion of Parcel 1 and the southwest portion of Parcel 2, and into the adjoining property to the south. Railroad spurs formed a circuit through the southern portion of Parcel 2 and around Parcel 3. A Slag Remediation Area was drawn in the northwestern portion of Parcel 2. A wash rack and "Pad 16 Remediation Area" was identified in the northeastern portion of Parcel 2. A Melt Shop, electric arc furnace, and Warehouse and Maintenance building were present in the south-southeastern portion of Parcel 2. A former 300-gallon diesel UST and chemical storage area were identified north-northwest of the Melt Shop. The Main Office, Roll Mill, Parts Warehouse, and Bundling Station were located on Parcel 3. Former oil USTs were located south of the Main Office and west of the Roll Mill. Former 12,000-gallon diesel USTs were located southwest of the Roll Mill. A 12,000-gallon compartmented gasoline and diesel UST (10,000-gallon diesel/2,000-gallon gasoline) was identified as present in the northwest corner of Parcel 3. A stormwater infiltration basin was drawn in the southeast portion of Parcel 3. Adjoining properties were identified as industrial and vehicle auction storage to the west; self-storage, warehouse, and industrial to the north; warehouse, Tree Island Wire, and vacant (DP Etiwanda) to the east; and railroad tracks and Etiwanda Generating Station to the south.

The following historical documents were also available for the Subject Property:

Fontana Steel, 12451 Arrow Route

A Phase I ESA report was prepared by Pacific Environmental Group, Inc. (PEG) on Fontana Steel, Inc. in 1998 (PEG, 1998). This Phase I ESA identified Fontana Steel as operating at 12451 Arrow Route. The property was reported to be owned by Fontana Steel. Ameron Inc had sold the property to Kaiser Foundation Hospitals in 1988 and Kaiser traded it to Fontana Steel for some parcels in Fontana. An easement for an IEUA concrete pipe was identified to be present along the western side of the property. This pipe was reported to be carrying brine waste from Air Liquide (northeast of the property) to the East Edison line south of the property. Arrow Route was reported to be located adjoining the property to the north, TAMCO Steel to the south, Ameron Concrete & Steel Pipe to the east, and Industrial Wire Products to the southeast. Historically, the property was reported to have been developed as vineyards until 1955, and then vacant until 1988 when the Fontana Steel structure was constructed. The property had been owned by Ameron, Inc. (the parent company of TAMCO) until 1988 and had been used for the material storage and disposal of baghouse dust. As part of the sales agreement between Ameron and Kaiser, Ameron agreed to remove hazardous materials from the property. Baghouse dust had been buried in three 170-feet long, 14- to 20-feet wide, and 12-feet deep trenches in the southern portion of the property in the 1970s. Ameron excavated and removed approximately 4,000-cubic yards of baghouse dust

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from these trenches in 1987. The cleanup goals were reported to be TTLC and STLC for cadmium, copper, lead, and zinc. Excavation soil sample results indicated maximum lead concentrations of 440 mg/kg from the bottom of the west trench; 1,590 mg/kg from the north end of the center trench; and 326 mg/kg from the bottom of the east trench. Maximum zinc concentrations were 3,550 mg/kg from the bottom of the west trench; 12,500 mg/kg from the north end of the center trench, and 2,860 mg/kg from the bottom of the east trench. Over excavation was reported to have been performed until confirmation soil sample results met the TTLC and STLC limits. The trenches were subsequently backfilled with slag. The excavated baghouse dust was removed to the TAMCO property. Based on PEG's review, TTLC limits were reported to not have been exceeded, but STLC limits were exceeded for zinc and a few lead concentrations. The closure of the trenches was reported in a "Clean Closure Verification Report, TAMCO Rolling Mill Site" prepared by ERT, Inc, dated March 1988.

At the time of this 1998 Phase I ESA, the property had been developed with a fabrication shop, office building, and maintenance shop which had been constructed in 1989 and 1992. The areas adjoining the structures were concrete paved and the southern portion of the property was covered in gravel. This report indicated that none of the operations at the property included wet chemical processing. The operations in the fabrication shop included sorting, bending, shearing, welding, storage and transport. Rebar was being constructed at the property. Maintenance of trucks, forklifts, and cranes was performed at the maintenance shop. Fontana Steel was reported to be a limited quantity hazardous waste generator, with small quantities of hydraulic and lubricating oils, oil filters, absorbent, rags, paint, ethylene glycol and solvent generated the property. Waste oil was accumulated in a 200-gallon AST and other wastes were reported to be stored in 55-gallon drums. A wash rack was indicated to have been present and drained to a below ground clarifier which was equipped with an aboveground oil water separator. One 12,000-gallon diesel UST and one 15,000-gallon propane AST were present on the property.

Multiple cleanup cases were reported for adjoining properties including cleanup of waste discharge from TAMCO into the adjoining property southwest of TAMCO in 1986. Metals from baghouse dust impacted soil and TAMCO excavated 3,000-cubic yards of soil and stored it at the TAMCO site for treatment. At the time of this Phase I ESA, TAMCO was reported to be in the process of separating baghouse dust from slag in a large stockpile in the northwest portion of the TAMCO property. Air Liquide had a diesel release in 1996 which was closed by San Bernardino County, and Industrial Wire Products (formerly Ameron Steel and Wire) had a sulfuric acid spill in 1989, and a voluntary cleanup case for metal contamination. A *Risk Assessment For Steel and Wire Facility, Property Owned by Ameron, Inc., Etiwanda, California*, dated January 12, 1996,

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was prepared by PSM International, Inc for the Ameron Steel and Wire facility. This report indicated that cadmium, copper, lead, and zinc concentrations were present in soil in its storage yard. Investigation activities were performed between 1990 and 1993. Impacted material was sorted into asphalt aggregate, oversize materials, and fines. Approximately 400-cubic yards of impacted material with concentrations greater than their respective TTLCs were disposed off site. Approximately 1,200-cubic yards of impacted material containing concentrations greater than their STLC, but less than their TCLP were used in cold-mix asphalt. Metals remained present at concentrations above human health screening levels in the confirmation samples from the remedial excavation side walls. Metal concentrations above STLC were present in the asphalt. The risk assessment concluded that there were no potential pathways of exposure and the asphalt was proposed to be used on unused portions of the property to suppress fugitive dust. The voluntary cleanup case received closure from the DTSC in 1997. The contaminated soil from Ameron was reported to have been transported off site in 1993. Ameron Concrete & Pipe, located east of the Fontana Property, was identified as being an industrial waste discharger since 1966. In 1967, a polyethylene lined pond was constructed to collect wastewater from the facility containing brine. The RWQCB ordered Ameron Concrete & Pipe to cease discharge into the pond in 1994. Subsurface investigation for removal of the pond began in 1995. PEG recommended assessment of the IEUA pipeline, assessment of the former baghouse trenches, and soil sampling near the wash rack.

PEG prepared a *Summary of Findings, Additional Site Assessment Activities, Fontana Steel, Inc., 12451 Arrow Route, Rancho Cucamonga, California*, dated June 10, 1999. This report documented the advancement and sampling of eleven soil bores around the former baghouse trenches, two bores in the vicinity of the washrack and clarifier, and one bore adjoining the 12,000-gallon diesel UST at the Fontana Steel property. The trenches were not located where the closure report indicated and no backfill slag material was encountered in five bores. Three bores were advanced in the former trenches. No baghouse dust was reported to have been observed. TPH diesel concentrations were not reported in the soil samples collected near the clarifier and washrack or near the UST. Soil samples from the bores adjoining and in the former trenches did not contain metal concentrations exceeding their TTLC. Maximum chromium and lead concentrations were 900 mg/kg chromium collected from the east trench at 16.5 feet bgs, and 170 mg/kg lead collected from the center trench at 10 feet bgs, respectively. Samples from two bores were analyzed for soluble chromium and lead using TCLP (USEPA Method 1311). The results indicated that soluble lead was not detected.

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A Voluntary Cleanup Agreement was signed between Fontana Steel, Inc. and the DTSC on December 22, 2000, for remediation of historical slag trenches on the northern Subject Property parcel (Parcel 1 – 12451 Arrow Route). At the time of this agreement, the property was indicated to be owned by CMC Steel Fabricators Inc., dba Fontana Steel. Three trenches located adjacent to a steel mill had been used for the disposal of baghouse dust which was generated at the mill. The trenches were located approximately 300 feet east of the western property boundary and 100 feet north of the southern property boundary. Arsenic, cadmium chromium, lead, and zinc were reported to be present in soil. The Voluntary Agreement indicated that a Preliminary Endangerment Assessment would be performed.

A correspondence letter from the DTSC on September 13, 2000 transmitted two sets of comments in response to the PEA draft for Fontana Steel.

A memorandum dated September 5, 2001 provided additional comments on the PEA report for Fontana Steel dated July 31, 2001.

A *Final Preliminary Endangerment Assessment Work Plan* for the historical electric arc furnace dust trenches at Fontana Steel Inc. and CMC Steel Group was prepared by IT Corporation in September 2001 and revised in November 2001. Various drafts were also available.

IT Corporation prepared a *Final Preliminary Endangerment Assessment Report, Historical Electric Arc Furnace Dust Trenches, Fontana Steel, Inc., Rancho Cucamonga, California* report dated September 2001, and revised November 2001. As part of IT's PEA, seven bores were advanced and sampled for CCR Title 22 metals and hexavalent chromium; four background samples were also collected from the perimeter of the property and analyzed. The slag was present between 6 and 10 feet bgs and extended to depths of 16 to 18 feet bgs based on the 1999 and 2001 investigations. The results from the 2001 PEA bore samples indicated the presence of a maximum chromium concentration of 1,200 mg/kg in the center trench sample from 11.5 feet bgs, a maximum hexavalent chromium of 2.0 mg/kg in the east trench sample from 1.5 feet, a maximum lead concentration of 480 mg/kg in the east trench sample from 1.5 feet bgs, and maximum zinc concentration of 2,200 mg/kg from the center trench sample from 11.5 feet bgs. The PEA findings indicated that the metal concentrations present in soil and backfill are within commercial exposure limits and no further action was recommended. The DTSC agreed with these findings and indicated no further action was required in a letter dated December 20, 2001.

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TAMCO - 12459 Arrow Route

RWQCB letter dated April 28, 2005, entitled “Notice of Violation: Failure to Comply with the General Permit for Storm Water Discharges Associated with Industrial Activities, Order No. 97-03-DWQ, NPDES No. CA0000001 (General Permit). An inspection performed on December 15, 2004 noted violations. A re-inspection was performed on March 22, 2005 indicated that the Stormwater Pollution Prevention Plan (SWPP) had been updated, annual sampling required the iron and copper, housekeeping continues to need improvement, BMPs need to be implemented on the west side of the property to prevent runoff, unauthorized discharge was occurring with sediment runoff and oil sheen observed, and process water being discharged to storm drains.

RWQCB letter dated September 16, 2005, entitled “Notice of Violation: Failure to Comply with the General Permit for Storm Water Discharges Associated with Industrial Activities, Order No. 97-03-DWQ, NPDES No. CA0000001 (General Permit). This letter indicated that the SWPP did not comply with requirements and does not identify all the potential pollutants. This letter noted that spills of oil and grease were observed on the ground in the maintenance area. Scrap waste from Pacific Coast Recycling, including foam from car seats, was observed in the scrap piles. This foam contained PCBs. The RWQCB directed that this waste be contained so it doesn’t migrate. Scrap metal was observed to be sprayed using sprinklers. The water was allowed to drain into unpaved areas and percolate into the ground. A silo north of the furnace was observed to store soda ash. This was observed on the ground. A fine black dust was accumulated in the bundling area, and it was observed that water from a leaking pipe was carrying this powder to a storm drain. A pit was present across from the roll mill. The pit was observed to be full of oily water. A concrete pit was observed to contain wastewater from the mill scale. Mill scale waste was piled near the roll mill. The RQQCB requested that the wastewater in the pit and the mill scale be analyzed.

DTSC letter dated October 7, 2005 documented review of TAMCO’s proposal to remove contaminated soil. The contaminated soil extent was based off the DTSC’s samples collected in 2005. TAMCO indicated that the only sample that failed hazardous waste criteria that was not located on a concrete pad was Sample 5, which was collected just north of the concrete pad with scrap pile COMP P16. Excavation will include the area around Sample 5. Excavated soil that passed the soil criteria (TTLC or STLC or the Preliminary Remediation Goals [PRGs]) would be used as backfill along with slag. DTSC noted that the 10-inch concrete pads did not have secondary containment and the contamination is likely to migrate to the adjoining unpaved areas.

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The maximum concentrations listed in the September 2005 health and safety plan prepared by the Leu Group for TAMCO listed cadmium at 24.6 mg/kg, chromium at 477 mg/kg, copper at 868 mg/kg, lead at 1,010 mg/kg, nickel at 101 mg/kg, zinc at 1,650 mg/kg, and mercury at 0.88 mg/kg.

The Leu Group, 2006, *Remediation Completion Report for Surface Soils Impacted by Heavy Metals Located North of Pad 16, TAMCO Steel, Rancho Cucamonga, CA*. This report indicates that the DTSC collected soil samples from north of Piles 12 and 16 on January 20, 2005 and identified heavy metals in soils. Clean up levels were identified as TTLCs, STLCs, and California PRGs. An x-ray fluorescence (XRF) analyzer was used to screen soils during remedial excavation. Laboratory results indicated that concentrations did not exceed their respective TTLCs; however, two shallow samples failed STLC. These areas were excavated deeper until subsequent samples passed the cleanup criteria. Crushed slag and the excavated soil that passed the cleanup criteria were used as backfill and the area was subsequently paved with asphalt. Based on review of the attached figure, the excavated area was approximately 20 feet to 35 feet by 120 feet. The depth of the excavation was indicated to be a couple feet.

State of California Environmental Protection Agency Department of Toxic Substances Control, Docket No. HWCA 2005 0964, Consent Order, signed April 26, 2007 by TAMCO and May 2, 2007 by DTSC. This document indicates that TAMCO receives large quantities of scrap metal for smelting and producing rebar. Scrap metal has been stored in piles without containment. Scrap metal contains lead, chromium, copper, nickel, and zinc. During an inspection on January 20, 2005, it was noted that a release of powder containing metal concentrations that exceed their respective TTLCs had occurred. TAMCO completed sampling in 2006 and then removed and disposed of the impacted soils. Areas were paved to the north and south of the scrap piles and barriers were installed to separate piles, and a stormwater treatment system was constructed to prevent contamination from leaving the paved areas. The Consent Order directed that TAMCO will minimize the release of contaminants by using barriers or wind breaks to prevent the powder from being carried by wind, routine cleanup of residual dust from scrap piles, installation of track-out controls to prevent the dust from being tracked out by trucks. Laboratory reports for samples collected November 30, 2005 were attached for 23 soil samples.

Ramboll Environ, 2017*, Phase I Environmental Site Assessment, Gerdau Ameristeel US Inc. DBA TAMCO, 12459-B Arrow Route, Rancho Cucamonga, California*, July. This Phase I ESA was prepared on behalf of Commercial Metals Company. The Subject Property was identified as formerly orchards until the southeastern portion was developed as a steel mill in 1956. Past occupants of the property included American Pipe and Construction, United Slag Processing, Ameron Steel and Wire (Ameron), and TAMCO. TAMCO was formed by a Ameron (formerly

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American Pipe and Construction), Tokyo Steel, and Mitsui Corporation in 1974. The current Melt Shop was constructed in 1976. The Rolling Mill and Melt Shop became part of TAMCO operations in 1983. TAMCO was bought by Gerdau Ameristeel in October 2010. This Phase I ESA identified the former industrial use of the property as a steel mill since 1956 as a REC. Concerns included potential buried hazardous materials and waste, potential historical septic and drain field, former presence of an “oil cellar” and abandoned 10,000-gallon oil tank in the Rolling Mill area, a waste sludge or ink disposal area near a cooling tower, area of significant staining noted in 1998 near ASTs, oil and staining observed in waste storage areas in 2012, staining on paved surfaces, aging waste water collection systems, active diesel and gasoline USTs, closure of one or more USTs without regulatory oversight, and a former sludge pit. Four CRECs were identified for the Subject Property. An area southwest of TAMCO had been contaminated with lead, zinc, and cadmium, by runoff water from the TAMCO facility was remediated by TAMCO. Soil was excavated, stabilized, and stockpiled on the TAMCO facility, and then used to backfill a UST excavation. The case was closed on November 7, 1990 by the RWQCB. Cleanup closure levels were California hazardous waste thresholds (50 mg/kg lead and 5 mg/L soluble lead). Ramboll identified that the DTSC used 80 mg/kg lead as the screening criteria for unrestricted use and identified this cleanup case as a CREC. The second CREC identified was the remediation of a stockpile of approximately 62,500 tons of baghouse dust and slag in 2000. The baghouse dust was disposed of off site, and verification samples were collected after remedial excavation. The slag was reused on site. The San Bernardino County Fire Department issued case closure on July 2, 2002, with residual contaminants remaining in soil. The third CREC was the excavation and remediation of lead, chromium, copper, nickel, and zinc in soil north of the scrap metal yard in 2005 and 2006. The excavations were backfilled with slag. Metal concentrations may remain present in soil. TAMCO entered into a Consent Agreement with the DTSC. The fourth CREC listed was the closure of a 300-gallon diesel UST in 2011 (this is for the UST removed in November 2010). Diesel was reported at a concentration of 1,720 mg/kg, ethylbenzene was reported at a concentration of 57 µg/kg, and total xylenes were reported at a concentration of 423 µg/kg in the sampled collected from the bottom of the UST excavation. Closure was issued March 7, 2011 with the residual contamination remaining. This report indicated that a comprehensive asbestos survey had been completed in 2015. Asbestos had been identified in various joint compounds, tiles, mastics, linoleum, stucco, window putty, and roofing materials across the property. No abatement was indicated to have been performed. One production well, approximately 709 feet deep, was reported to be present on the property and used for non-potable purposes (dust suppression). Groundwater was reported to be present at 443 feet bgs based on videologging performed on the non-potable well on the Subject Property in 2006. Personnel interviewed as part of Ramboll’s Phase I ESA indicated that the facility was connected to municipal sewer in 1980s but formerly

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had a least one septic system and leachfield. This report reviewed multiple previous Phase I ESA reports, 2006 and 2011 UST closure reports, remediation reports for slag and non-slag stockpiled material, and pre-renovation survey.

Ramboll Environ, 2018, *Phase I Environmental Site Assessment, Gerdau Ameristeel US Inc. DBA TAMCO, 12459-B Arrow Route, Rancho Cucamonga, California*, August 6. This Phase I ESA was performed as an update to the 2017 Phase I ESA summarized above. The findings from this Phase I ESA were generally the same as the 2017 Phase I ESA.

Ramboll Environ, 2020, *Phase I Environmental Site Assessment, 12459-B Arrow Route, Rancho Cucamonga, California*, August 6. This Phase I ESA identified the staining observed around the ASTs in a 1998 Phase I ESA prepared by Arcadis as a REC. The ASTs were described as located south of the maintenance building on Parcel 3. The ASTs had been used to store oil, grease, antifreeze, and diesel fuel. This area was upgraded with secondary containment in 2010. The remediation of the impacted soil near Pad 16 and the remediation of the slag stockpile were identified as CRECs. Identified HRECs included the impacted shallows soils southwest of the Subject Property which was closed November 7, 1990, the removal and closure of four 12,000-gallon USTs in 1993/1994, and the slag trench remediation and closure in 2001. No structures were present on Parcel 1 at the time of this Phase I ESA. Instead, it was used to store spare parts and equipment for the CMC rebar facility, slag piles, and steel billets. The former steel mill structures remained present on Parcel 2, including the electric arc furnace (EAF) building, lime silos, cooling tower, warehouse and maintenance building. Slab and scrap metal piles were stored on the northern portion of Parcel 2. Phoenix Industries was present on Parcel 2 and operated a slag processing business. Phoenix operated a maintenance building in Parcel 2. Parcel 3 was occupied by a baghouse and cooling towers, two maintenance structures, the roll shop and roll mill, and a bundling station. Rebar was stored in the northeast portion of Parcel 3. Parcel 4 was occupied by a rebar fabrication shop, maintenance structure, and office building. Rebar was also stored on Parcel 4. The Subject Property is described as mostly paved with asphalt and concrete. Unpaved areas were indicated to be present in the west and used to store steel billets. Active railspurs were present on the Subject Property. A stormwater infiltration pond was reported to be present in the southeastern portion of the Subject Property, concrete-lined wastewater treatment ponds were located near the cooling towers, and a concrete-lined evaporation pond was reported to be located west of the rolling mill. A well was located in the southeastern corner of the Subject Property. One split UST was reported to be present on site. Various oils, greases, lubricants, degreasers, welding gases, cooling tower treatment chemicals, refrigerant chemicals, and detergents were used by CMC during its operations. A parts cleaner

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was reported to be present in a maintenance building but was reported to use non-chlorinated cleaner.

Ramboll, 2021, *Phase II Subsurface Investigation Report, 12459-B Arrow Route, Rancho Cucamonga, California*, April 28. As part of this subsurface investigation, Ramboll advanced 99 soil bores (including 33 step-out bores) across the Subject Property in 2020 and 2021. Of these bores, 26 were converted to soil vapor probes. Bores were advanced in a grid pattern or in areas of concern to depths ranging between 5 and 35 feet bgs. Areas of concern included clarifier locations, near the hydraulic lift in the maintenance shop, the slag remediation, near drains, in the Pad 16 remediation area, in the slag trench remediation area, near the stormwater channel, in the lead remediation area, in the approximate location of the former 500-gallon diesel UST, in the vicinity of a cooling water channel, near cooling towers, near reheat oven, near the dual-compartment UST, at the approximate location of the former four fuel oil USTs and the four diesel USTs, near wash stations, near former oil cellar in the production/roll mill building, in the former roll shop, near transformers, in the lubricant storage area, in the mobile maintenance building, near ASTs in the mobile maintenance building, near the stormwater infiltration channel, in the hazardous waste storage, and near the former septic system. Soil vapor probes were installed at 5 feet and 15 feet bgs in nine of the 26 bores; 5 feet and 30 feet bgs in three of the 26 bores; and at 5 feet bgs in the remaining bores. Of the step out bores, 8 were advanced to 3 feet bgs, 8 were advanced to 5 feet bgs, four (4) were advanced to 15 feet bgs, four (4) were advanced to 36 feet bgs. Soil vapor probes were installed at 5 feet, 15 feet, and 35 feet bgs in the step-out bore locations. Slag material was encountered at depths up to 10 feet bgs in 33 of the 99 bores. Soil samples were analyzed for metals, VOCs, and TPH. Select samples were also analyzed for hexavalent chromium and PCBs. In summary, soil analytical results indicated TPH-g was only detected in one soil sample collected at a depth of 3 feet bgs. This TPH-g concentration (0.00034 mg/kg) did not exceed commercial screening levels. TPH-d was present in 15 of the initial soil samples and 11 of the step-out soil samples. Concentrations ranged from 11.8 mg/kg to 9,230 mg/kg (collected at 1-foot bgs). Only two soil of the initial samples (RSB-03 and RSB-05) contained TPH-d concentrations that exceeded commercial screening levels and both samples were collected at 1-foot bgs. The concentrations in the step-out bores in these areas also exceeded commercial screening levels. The elevated TPH-d areas were located in the western portion of APN 0229-121-33 and in the southeast portion of APN 0229-131-19. TPH-o was present in 19 of the initial samples and seven of the step-out samples. TPH-o concentrations ranged up to 11,000 mg/kg. TPH-o concentrations did not exceed the TPH-o commercial screening levels. VOCs including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, m,p-xylene, o-xylene, p-cymene, and PCE were present in soil samples at

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concentrations below their respective commercial screening levels. Lead concentrations were, however, present above their respective commercial screening levels, at concentrations ranging up to 2,910 mg/kg. Cadmium, lead, and zinc were detected at concentrations above their respective hazardous waste thresholds (TTLCs) in three soil samples, and one soil sample had soluble lead that exceeded the TCLP limit. Elevated lead was present in two areas: one near the eastern portion of the Mobile Maintenance building on APN 0229-131-19 and one north of the Warehouse and Maintenance building on APN 0229-121-33. One area with elevated cadmium was present near the old Baghouse on APN 0229-121-33. Six samples were analyzed for PCBs and PCBs were not detected. VOCs including PCE and chloroform were detected in soil vapor samples above commercial screening levels with an attenuation factor of 0.001 applied. Chloroform was detected at concentrations ranging from 0.06 µg/L to 1 µg/L, and PCE was detected at concentrations ranging from 0.08 µg/L to 100 µg/L. PCE concentrations appeared to decrease during a second sampling event. Ramboll recommended a Site-Specific SMP be prepared for future construction at the Subject Property to manage the slag material present in the subsurface and the areas with TPH-d, lead, zinc, and cadmium concentrations. Ramboll concluded that the TPH-d in shallow soils above commercial screening levels appeared to be limited laterally and vertically. Ramboll recommended that soil in the areas containing elevated lead, zinc, and cadmium concentrations be removed off site for disposal. Ramboll indicated that the PCE-impacted soil vapor appeared to be localized in the eastern portion of the Parts Warehouse building and appeared to be limited to the upper 15 feet bgs.

Ramboll Environ, 2021, *Phase I Environmental Site Assessment, 12459-B Arrow Route, Rancho Cucamonga, California*, June. At the time of this Phase I ESA the steel mill, including the Rolling Mill and Bundling Station, was no longer in operation. Rebar fabrication and slag processing operations continued. The equipment and structures from the steel mill operations remained in place. This Phase I ESA identified areas of impacted soil and soil vapor found in Ramboll's 2021 Phase II investigation as a REC. The remediation of the area north of Pad 16 and the remediation of the baghouse dust/slag stockpile were identified as CRECs. Historical remediation at the Subject Property including remediation of the property adjoining to the southwest in 1990, removal of fuel oil USTs in 1994, and remediation of baghouse dust trenches in 2001 were identified as HRECs. This report indicated that Ramboll collected soil samples at each of the previous areas of concern and did not identify any concentrations above screening levels for unrestricted use.

Roux Associates, Inc (Roux), 2021, *Phase I Environmental Site* Assessment, 12451 Arrow Route, Rancho Cucamonga, California, December 27. This Phase I ESA was provided by the User and is summarized in Section 4.5.4.

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Roux, *Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls, Southeastern Corner of Parcel 3, Former Commercial Metals Company Facility, 12451 Arrow Route, Rancho Cucamonga, California,* dated April 7, 2023. This report documents a shallow soil sampling investigation performed on November 10, 2022 at the location where PCBs had been identified in the southeast portion of Parcel 3. The background information included in this report indicated that shallow soil sampling had been performed by Roux in November 2021 along the railroad spurs on the Subject Property. Results of this 2021 investigation were reported in a *Subsurface Investigation Report* prepared by Roux dated April 6, 2023. During this 2021 investigation, soil samples from 19 locations (RR-1 through RR-19) were analyzed for TPH, PCBs, OCPs, and SVOCs. The PCBs Aroclor-1260 and Aroclor-1242 were identified at three locations, with Aroclor-1242 present above commercial screening levels at one sampling location, at concentrations of 130 mg/kg and 170 mg/kg in the 0.5 foot and 1.5-foot samples, respectively. On November 10, 2022, additional soil samples were collected from 11 locations around the location where Aroclor-1242 was above screening levels. Samples were collected from 0.5-, 1.5-, and 3-feet bgs, and one additional sample was collected at 4-feet bgs adjoining the original location. Aroclor-1242 was not detected in the step-out samples. Aroclor-1254 was present in one of the 11 soil samples at a concentration of 0.39 mg/kg, which did not exceed screening levels. Aroclor-1260 was present in four of the 11 samples at concentrations ranging up to 1.90 mg/kg. Only the maximum concentration exceeded screening levels. Roux concluded that the PCB impact did not appear to be widespread, and recommended removal pursuant to the Site's SMP.

Roux, *Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls near RR-3 and Recommended Additional Sampling, Former Rail Spur, Southeastern Corner of Parcel 3, Former Commercial Metals Company Facility, 12451 Arrow Route, Rancho Cucamonga, California,* dated August 25, 2023. This memorandum summarized the results of soil samples collected in May and June 2023 from six additional bores around RR-3. The previous 11 step-outs bores from November 2022 had been located 20 feet south, and 40 feet north, west, and east of RR-3. These May and June step-out bores were located and 5 and 10 feet from RR-3. PCBs were not detected in samples to the east or west, but concentrations of the PCB Aroclor-1248 were present in the 0.5-foot and 1.5-foot samples collected 5 feet to the south of RR-3. PCBs were not detected in the 3-foot soil sample collected at this location, or in the soil samples from the step-out location 10 feet south of RR-3. Aroclor-1260 was present in the 0.5-foot soil sample collected 5 feet north of RR-3 and concentrations of both Aroclor-1254 and Aroclor-1260 were present in the 0.5-foot soil sample from the step out location 10 feet north of RR-3. Roux concluded that PCB impact was not delineated to the north, but was delineated to the east, west,

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and south. PCBs were delineated vertically at each sampling location, with the exception of the step out location 10 feet north of RR-3.

Roux, *Technical Memorandum, Characterization of Polychlorinated Impacted Concrete, Parcel 3, Former Commercial Metals Company Facility, 12451 Arrow Route, Rancho Cucamonga, California,* dated August 25, 2023. This report summarizes concrete and soil sampling activities performed in the vicinity of an approximately 60-feet by 20-feet "pink-stained" concrete area discovered during demolition of the Rolling Mill in January 2023. An active electrical transformer and switchboard were located adjoining the concrete area to the east. After discovery, the stained concrete was left in place and sampled for waste characterization. Concentrations of the PCB Aroclor-1242 up to 200 mg/kg were detected within the stained concrete area. This area was indicated to be at the approximate former location of the "FAB" room, adjacent to the Roll Mill. The sampling discussed in this memorandum included sampling in a 10-foot by 10-foot grid across the concrete pad and into the adjoining soil. The PCBs Aroclor-1242 (up to 91 mg/kg in concrete, not detected in soil), Aroclor-1248 (up to 1,900 mg/kg in concrete, up to 0.90 mg/kg in soil), Aroclor-1254 (up to 2.8 mg/kg in concrete, not detected in soil), and Aroclor-1260 (not detected in concrete, up to 0.069 mg/kg in soil) were present in samples. PCB concentrations greater than the DTSC commercial screening levels were present in the northern portion of the concrete slab. PCBs were only detected in soil above screening levels in one area. Vertical profiling of the concrete slab showed that the higher PCB concentrations were present near the concrete surface. Roux concluded that, based on the thickness of the concrete slab (approximately 12-inches thick) and the results of the vertical assessment, it is unlikely that soil beneath the slab was impacted.

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DTSC letter dated October 25, 2023, entitled "Concurrence with Slag Investigation Technical Memorandum, BTC III Arrow Route, 12451 Arrow Route, Rancho Cucamonga, San Bernardino County (Site Code: 4000885). This letter indicated that the DTSC reviewed a *Slag Investigation Technical Memorandum* prepared by Roux, dated April 7, 2023, and revised August 25, 2023. The letter indicated that groundwater has historically been measured at 378 feet and previous investigations do not indicate that groundwater has been impacted. The technical memorandum was indicated to include information from a *Subsurface Investigation Report*, dated March 24, 2023, which discussed the extent and characteristics of the slag material at the Subject Property. Slag samples were indicated to have been collected between September and October 2022 from pothole and trench investigations and analyzed for metals and pH. The slag material was reported to extend up to 13 feet bgs. The report indicated that analytical results identified thallium and

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arsenic concentrations were above commercial/industrial screening levels. This letter indicated that a “site-specific leaching model will be considered”.

Roux, 2023, *Subsurface Investigation Report, 12451 Arrow Route, Rancho Cucamonga, California,* April 6, revised September 12, revised October 24. Roux performed subsequent environmental investigations in 2021 and 2022 including sampling along the railroad spurs present on the Subject Property, sampling in a former chemical storage area northwest of the former Melt Shop, sampling at a wash rack located in the northern portion of APN 0229-121-33, sampling in the location of a former subsurface clarifier and aboveground oil recovery system on APN 0229-121-35, and sampling around the dual-compartment UST and associated fuel dispensers in the northwest corner of APN 0229-131-19.

Roux performed two subsurface investigation mobilizations. Roux’s first subsurface investigation in 2021 included the advancement of 95 soil bores to 15 feet bgs. Thirty-four (34) bores were advanced to investigate the extent of lead and TPH-d in shallow soil based on the findings from Ramboll’s 2021 investigation. Nineteen (19) soil bores were advanced along the rail spurs and analyzed for TPH, VOCs, PCBs, OCPs, SVOCs, and chlorinated herbicides. Forty (40) bores were advanced around the area where Ramboll detected benzene and PCE in soil vapor and soil vapor probes were installed at depths of 5-, 10-, and 15-feet bgs. One shallow bore (3 feet bgs) was advanced in the vicinity of the dual-compartment UST and dispenser and soil samples were analyzed for TPH. Two shallow bores (3 feet bgs) were advanced at the location of the four former USTs which had been removed in 1993 and soil samples were analyzed for TPH, VOCs, and metals. One shallow bore (3 feet bgs) was advanced at the approximate area of a former drum storage area near the former 300-gallon diesel UST and soil samples were analyzed for TPH, VOCs, and metals. Two bores were advanced to 5 feet bgs in the vicinity of a vehicle wash rack on APN 0229-121-33 and soil samples were analyzed for TPH, VOCs, and metals. Two bores were advanced to 5 feet bgs in the vicinity of a former clarifier and aboveground recovery system on APN 0229-121-34 and soil samples were analyzed for TPH, VOCs, and metals. Roux’s second mobilization in 2022 was performed to further delineate soil and soil vapor impact on APN 0229-131-19 and included the advancement of 34 soil bores and the installation of soil vapor probes at depths ranging between 15 and 35 feet bgs.

Roux’s investigations identified concentrations of PCB, TPH-d, arsenic, and one concentration of the SVOC benzo(a)pyrene greater than screening levels in soil samples collected along the railroad spurs on APNs 0229-121-33 and 0229-131-19. Further delineation of the PCB concentrations was preformed and discussed in Roux’s memorandums (previously summarized). The report indicated that TPH-d, metals, and SVOC concentrations required further delineation.

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TPH-d and metals exceeding commercial screening levels are present in soil at depths less than 5 feet bgs in the southern portions of APNs 0229-121-33 and 0229-131-19. TPH-d concentrations were identified to be mainly in the 1-foot soil samples and vertically delineated by the 3-foot soil samples, with one location delineated by the 5-foot soil sample. Lateral delineation was still required. One of the areas identified by Ramboll as having elevated lead concentrations (the area near the former Mobile Maintenance building) was similarly vertically assessed in samples collected at 5 feet bgs. Lateral delineation was still required for this location's impacted areas. Vertical and lateral delineation was required for the second area (near the former Warehouse and Maintenance building). The area with the elevated cadmium concentration was delineated vertically, but remains to be delineated laterally. VOCs were not detected in soil samples greater than screening levels.

Soil samples from bores advanced near the open-top clarifier (near Ramboll's bores where PCE and benzene were detected in soil vapor) indicated that metal, VOC, and TPH concentrations were not detected or did not exceed screening levels. Soil vapor samples indicated that benzene was present in soil vapor at 5 feet bgs at concentrations exceeding commercial screening levels. VOCs did not exceed screening levels in the 30-foot soil vapor sample. Nineteen (19) step out bores were advanced and soil vapor probes were installed in this vicinity. VOCs were not detected in soil samples and only benzene and PCE were present in soil vapor samples at concentrations greater than their respective screening levels.

Roux advanced 24 bores and installed soil vapor probes in the vicinity of the Mobile Maintenance building. Only tertiary butyl alcohol (tBA) was detected in the soil samples collected. Benzene (maximum concentration of 29 micrograms per cubic meter [µg/m^3]), PCE (maximum concentration of 680 µg/m^3), TCE (maximum concentration of 550 µg/m^3), and chloroform (maximum concentration of 86 µg/m^3) were present above their respective commercial screening levels in soil vapor samples. The maximum PCE and benzene concentrations were present in soil vapor samples collected from 5 feet bgs and the maximum TCE and chloroform concentrations were detected from soil vapor samples collected from 35 feet bgs. Roux also advanced 26 bores around the area Ramboll identified as having PCE in soil vapor near the Parts Warehouse. Only tBA was detected in the soil samples collected. PCE and TCE were present in soil vapor samples at maximum concentrations of 2,500 µg/m^3 (15 feet bgs) and 520 µg/m^3 (35 feet bgs).

Soil samples were collected from the former 1993 UST excavation area to assess the backfill material for the presence of metals, TPH, and VOCs. Samples were collected from 1 foot and 3 feet bgs. Metal concentrations did not exceed either commercial screening levels or background levels. Low concentrations of tBA and benzene were detected, and TPH-d and TPH-o were not

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detected at concentrations that did not exceed their respective San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) commercial screening levels.

Roux advanced a soil bore in the tank pit adjacent to the dual-compartment UST tank pit. The UST and dispenser (which had been located on top of the UST) was removed December 2022. TPH-d and TPH-o concentrations were not detected in the soil samples above their respective SFBRWQCB commercial screening levels. The SBCFD issued case closure July 18, 2023.

Ramboll had sampled next to an inactive clarifier and aboveground oil recovery system on APN 0229-121-34. Sample analytical results indicated that VOCs were present in soil and soil vapor. Metals did not exceed their screening criteria and TPH was not detected. Roux advanced step-out bores. Sample analytical results from the step out bores indicated that metals did not exceed their criteria, VOCs were not detected, and TPH-d and TPH-o were present in the 1-foot soil samples at concentrations that did not exceed their respective SFBRWQCB commercial screening levels.

In summary, soil vapor investigations identified that PCE, TCE, benzene, and chloroform were present in soil vapor beneath the western portions of the former roll mill and beneath the parts warehouse on APN 0229-131-19 at concentrations exceeding commercial screening levels. Roux indicated that lateral and vertical delineation of soil vapor is still required, and recommended SVE as a remedial method for the soil vapor impact. Roux installed SVE wells and performed a SVE pilot test in 2022. The pilot test was confirmed to be effective for soil vapor remediation. Roux also recommended further delineation of TPH-d, metals, and SVOCs which are present in shallow soils in localized areas, and further delineation of PCB-impacted soils near the railroad spurs. VOC concentrations were either not detected or did not exceed their respective screening levels and pesticide and herbicide concentrations in samples collected across the Subject Property did not exceed commercial screening levels. Finally, Roux recommended evaluation of the physical distribution and chemical composition of the slag material present in the western portion of the Subject Property. Both Ramboll and Roux had performed leachabilty analysis of slag samples. Results indicated that only one location had metal concentrations that exceeded STLC and/or TCLP.

EnviroStor listings were also available for adjoining properties. These listings are summarized below:

Ameron/Steel & Wire Property, located at 12459 Arrow Route, was listed as a voluntary agreement cleanup site with a status of “No Further Action” as of April 23, 1996. This facility was

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listed as a wire manufacturing facility that was owned by Ameron from 1962 through 1990, after which it was sold to Industrial Wire Products, Inc., who continued to manufacture wire at the facility. Wire was manufactured in the Wire Mill building located on the western side of the facility. Steel rod was obtained from the steel mill located on the property south of the facility. The Wire Mill building was constructed in the early 1960s. The eastern portion of the facility was used for storage/processing/staging of scrap metal feed stock between the mid-1960s and late-1970s. The Voluntary Cleanup Agreement document, dated June 9, 1995, indicated that previous investigations identified heavy metals including lead in soil from scrap metal storage. Based on review of the Site Layout Map included in the Voluntary Cleanup Agreement, this facility appears to be associated with the adjoining property identified as current APN 0229-121-24.

DP Etiwanda, located at 8822 Etiwanda Avenue, is located east and adjoining the east Subject Property parcel, APN 0229-131-19. This facility was listed as a voluntary cleanup case with land-use restrictions. This property was historically agricultural with a single-family residence and a railroad spur on the property between 1938 and 1966. The facility was then used for automobile and scrap metal recycling from 1975 through 2017. This facility was proposed to be redeveloped with as a transportation facility with office, storage, freight, shipping, and trucking operations. As part of proposed redevelopment activities, the DTSC reviewed the *Initial Study/Mitigated Declaration for Design Review* and required a soil and soil vapor investigation of the property in their comments, dated February 14, 2018. A Voluntary Cleanup Agreement was signed on May 3, 2018. A site assessment was performed by Ramboll in July 2018, and concentrations of metals, TPH, and PCBs were reported to be present in soil samples. Subsequently, remedial excavation was performed to remove contaminated soil. Confirmation soil samples indicated that residual metal and PCB concentrations at the property were below commercial/industrial screening levels, except for areas along the western, northern, and southern property boundaries. A Land Use Covenant between DP Etiwanda and DTSC was executed on August 19, 2020, restricting the property to commercial/industrial use. A subsequent investigation to delineate residual soil impact along the property boundaries was performed in August 2020. Refusal between 1 and 2.5 feet bgs was encountered in many of the bores along the western property boundary (adjoining the Subject Property). Based on Kleinfelder's review of the investigation results, lead was reported to present at a maximum concentration of 379 mg/kg in a 0.5-foot soil sample in the west-northwest boundary of the property in 2018. Samples from the step-out bore advanced to the west of the location of the maximum result in 2020 indicated that lead was present at 0.5 foot at 83 mg/kg, and at 6.9 mg/kg at 2 feet. PCB concentrations were present above commercial screening levels in soil samples collected from the 2018 excavation on the west-southwest boundary of the property. The maximum concentration of Aroclor-1248 was 11.7 mg/kg at 0.5 foot and the

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maximum concentration of Aroclor-1254 was 2.47 mg/kg, also in a 0.5-foot sample, though PCB concentrations were reported at depths down to 3 feet bgs at some locations. Only a 0.5-foot sample was collected at the step-out location to the west of the highest Aroclor-1248 concentration, but the analytical results indicated an Aroclor-1248 concentration of 0.39 mg/kg. Samples from the other two step-out bore locations contained PCB concentrations and did not further delineate the impacted soil. The southeast corner of the Subject Property adjoins this PCB-impacted area. A concrete cinder block wall was reported to be present on the Subject Property boundary preventing any further step-out bore assessments. Ramboll indicated that the residual concentrations of lead present along the south and northwest boundaries were localized and slightly above the commercial/industrial screening levels. Ramboll indicated that the step-out sample results did not exceed the previously maximum detected PCB result and that the concrete cinder block wall along the western boundary acts as a barrier to limit the PCB impact. Ramboll also indicated that the lead and PCB concentrations were adequately characterized and do not present a human health risk since the property has a land use covenant limiting it to industrial use.

Southern California Edison – Etiwanda Generating Station, located at 8998 Etiwanda Avenue (south of the Subject Property across the railroad tracks). This facility was listed as a "corrective action" type facility as of February 2, 1995. This facility was indicated that have maintained ASTs, and contaminants of concern were listed as PCBs and vanadium and compounds. A Stipulation from the Superior Court of California, LA County, Number 121219, dated February 1, 1995, indicated that SCE had stored hazardous waste in non-permitted wastewater retention basins in southern California. SCE was ordered to clean and close the basins. This facility was one of the facilities that this corrective action applied to. The retention basins were cleaned and closed as of 2011. An ongoing RCRA facility investigation is taking place for IEUA, which is located on the parcel southwest and adjoining the former SCE-Etiwanda generating facility.

Copies of the EnviroStor map and findings are provided in Appendix C.

4.3.5 South Coast Air Quality Management District (SCAQMD)

Kleinfelder search the SCAQMD's Facility Information Detail (FIND) website (http://www.aqmd.gov/nav/FIND/facility-information-detail) for air quality records on September 13, 2023. Based on Kleinfelder's review of the SCAQMD FIND website, Fontana Steel Inc. was located at the address of 12451 Arrow Route, on the northern Subject Property parcel. Ameron Concrete & Steel Pipe Sys, So Div was listed at the Subject Property address of 12455 Arrow Route. TI Wire, Tamco, Tube City, Ims, Inc., Industrial Wire Products – Arrow Division, and

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Phoenix Services, LLC were listed at the address of 12459 Arrow Route. No other listings were identified on the FIND map on the Subject Property. Parallel Products (12281 Arrow Route) was shown adjoining the Subject Property to the west and SA Recycling (8822 Etiwanda Avenue) was shown adjoining the southeastern portion of the Subject Property to the east. A cluster of facilities, which included Ameron Concrete & Steel Pipe Sys, So Div, TI Wire, TAMCO, Tube City, IMS, Inc., Industrial Wire Products – Arrow Division, and Phoenix Services, LLC, was shown adjoining the Subject Property to the east and north. Kleinfelder also submitted records requests to the SCAQMD on September 13 and September 14, 2023 for each of the Subject Property addresses. The SCAQMD responded in emails dated September 15, 2023, that no records were available for Subject Property addresses 12343 Arrow Route and 12353 Arrow Route. The SCAQMD responded in an email dated September 19, 2023, that records were available for the address of 12451 Arrow Route, and in emails dated September 21, 2023 that records were available for addresses 12455 and 12459 Arrow Route. Links to the available records were included in accompanying SCAQMD emails. These records are summarized below:

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12451 Arrow Route

The following records were available for Subject Property address 12451 Arrow Route:

- A permit to operate a service station and dispense gasoline, Permit M92118, was listed as inactive for Fontana Steel, Inc. It had been issued July 27, 1989. A copy of this permit was available and indicated it was a permit to operate a 10,000-gallon diesel UST and two dispensers.
- Violations were issued on May 26, 2023 for failure to provide proof of manufacturer calibration for an organic vapor analyzer (OVA), to provide VOC monitoring data from February 15, 2023 to the present, and failure to keep a signed copy of the approved plan on site.
- Violations were issued on September 12, 2023 for failure to notify the SCAQMD 24 hours prior to excavation and for failure to calibrate the monitoring equipment every three months. The violation occurred on May 25, 2023.

12459 Arrow Route

The following records were available for Subject Property address 12459 Arrow Route:

TAMCO, located at 12459-B Arrow Route. Permits to operate were listed as inactive and included the following:

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- Permit for storage tank lime & limestone, dated October 12, 1977.
- Baghouse permits dated July 6, 1977, July 8, 1977, October 12, 1977, February 9, 1990, April 15, 1998, October 9, 2008, September 1, 2010, December 4, 2013, and September 25, 2020.
- Permit for Amine Treating dated May 28, 1987.
- Permit for CFC-12 Recovery/Recycling (Rule 1411) dated May 7, 1996.
- Permits for Cooling Tower or Pond / Cooling Tower, Rule 222, dated October 12, 1977, December 27, 2018, and March 6, 2020.
- Permits for Furnace Arc Iron-Steel dated July 6, 1977, July 8, 1977, October 12, 1977, February 9, 1990, November 21, 1991, January 22, 2002, and October 1, 2013.
- Permits for Furnace for Other Metal Operations dated May 25, 1988, July 4, 1994, October 14, 1996, October 1, 1997, December 3, 2013, May 5, 2017, and December 27, 2018.
- Permits for Heaters/Furnace dated August 30, 1977, October 18, 1984, November 30, 1992, October 15, 1996, October 1, 1997, November 27, 2013, and May 5, 2017.
- Permits for storage tank minerals dated July 15, 1983.
- Permits for storage tank petroleum light distillate dated February 11, 1992.
- Permits for storage tank LPG dated April 12, 1996.
- Permits for ICE (50-500) EM Elec Gen-Diesel dated May 29, 1996 and January 29, 1997.
- Permits for ICE (500 HP) EM Elec Gen-Nat gas dated January 29, 1997.
- Permits for ICE (50-500 HP) EM Elec Gen-Nat gas dated October 26, 2005.
- Permit for ICE (50-500 HP) N-EM Port N-rent diesel dated January 28, 2014.
- Permits for storage silo minerals misc dated October 6, 2006 and September 25, 2020.
- Permit for service station storage & dispensing gasoline dated March 3, 2009.
- Permit for storage tank other misc org material dated December 4, 2013.
- Permit for storage silo lime & limestone dated December 4, 2013.
- Multiple (34) violations including emission exceedances, visible emissions of dust, failure to obtain a permit to construct for modification and operation of a billet reheat furnace, failure to report daily emissions and conduct daily calibration, failure to clean equipment

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so as not to accumulate lead-containing dust, and failure to perform reverification testing by January 1, 1998 for gas storage tank were listed for TAMCO between 1991 and 2020.

Tervita (US Operations) LLC, located at 12459-B Arrow Route:

- Inactive permit for bulk load/unload other aggregate dated April 14, 2017.
- Inactive permit for dust collector cartridge type dated April 14, 2017.
- Active permit for aggregate production/crushing dated April 14, 2017.
- Notice of compliance was issued August 26, 2015 to Tervita to submit semi0annual reports by due dates.
- Phoenix Services LLC, located at 12459-B Arrow Route:
- Inactive permit for bulk load/unload other aggregate dated January 12, 2018.
- Inactive permit for dust collector cartridge type dated January 12, 2018.
- Inactive permit for aggregate production/crushing dated January 12, 2018.
- Notice of violations included: failure to provide records for trained persons in a reasonable time issued November 2, 2022; failure to pay annual operating permit fee issued August 24, 2021; provide monthly diesel fuel usage, monthly tons of lead processed, weekly soil_O2 applications, monthly tons of slag processed and loaded and annual Visual Emissions Evaluation (VEE) of emissions issued October 4, 2018; and failure to submit report with flame ionization detector (FID) readings for 2017, issued November 29, 2018. The Notice of Violation (NOV) from March 18, 2022 indicated that the facility was closed as of December 31, 2022. The violation required records of compliance for 2021.

Tube City, located at 12459 Arrow Route:

- Inactive permits for aggregate production/crushing dated September 30, 2011 and May 27, 1998.
- A notice of violation was issued November 19, 2010 for exceedance of monthly limits, operation of replaced crusher without a permit to operate, and replacement crusher without prior approval.
- The following records were available for the address of 12459 Arrow Route and appear to be associated with the adjoining property to the east of the north Subject Property parcel, and north of the east Subject Property parcel:

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- Industrial Wire Products, located at 12459 Arrow Route (adjoining the Subject Property to the east and north):
- Permit application for a Boiler dated February 9, 2001.

Phoenix Services LLC, located at 12459 B Arrow Route listed the following permits:

- A permit to operate a slag/aggregate processing system, Permit G50133, was listed as inactive. It had been issued January 12, 2018.
- A permit to operate a dust collector – cartridge type, Permit G50134, was listed as inactive. It had been issued January 12, 2018.
- A permit to operate a slag/aggregate loading system, Permit G50135, was listed as inactive. It had been issued January 12, 2018.
- A Title V administrative permit, Application 597945, had been issued October 19, 2017.
- A Rule 1420, Lead Compliance Plan, Application 603029, was last assigned on May 11, 2018.
- A Title V Permit Renewal Application, Application 605853, was last assigned on April 29, 2019.
- An Aggregate Crushing (<5000 tpd), Application 626580, was rejected on January 26, 2021.

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TI Wire, located at 12459 Arrow Route (adjoining the Subject Property to the east and north):

- Permit for a furnace, other metal operations iron-steel dated March 9, 1977.
- Permit application for a boiler methanol dated October 17, 1979. This permit was issued to Ameron Steel-Wire Division.
- Permits for storage tank ammonia dated July 11, 1986. There permits were issued to Ameron Steel-Wire Division.
- Permit for service station storage & dispensing, dated July 4, 1990. This permit was issued to Industrial Wire Products. Permit was for one 10,000-gallon diesel UST and one dispenser.
- Permits for tank, surface preparation – other acids, dated August 8, 1989. These permits were issued to Ameron Steel and Wire Division. One permit was for sulphuric acid and the other was for hydrochloric acid treating tanks.

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- Permit for heat treating furnace dated August 8, 1990. This permit was issued to I.W.P.A.D., Inc
- Permit for acid fume scrubber, other venting M.S. dated March 29, 1998. This permit was issued to I.W.P.A.D., Inc
- Permit for boiler, natural gas only, dated June 8, 2000. This permit was issued to I.W.P.A.D., Inc.

The following records were available for address 12455 Arrow Route and appear to be associated with the adjoining property to the east:

SCAQMD Facility Equipment List Report - Ameron Concrete & Steel Pipe Sys, So Div was listed as having a last inspection date of April 7, 2023, at which time it was listed as “out of business”.

The following permits were listed for this address:

- Permits for Ser Stat Storage & Dispensing Gasoline had been issued July 1, 1982, February 24, 1984, May 7, 1990, and September 8, 1999.
- Permits for an ICE (50-500 HP) N-EM Port N-Rent Diesel / ICE (50-500 HP) N-EM Stat Diesel issued November 27, 1989, December 6, 1989, and February 12, 1999.
- Permit for an ICE (50-500 HP) N-EM Stat Gasoline issued April 4, 1990.
- Permits for Abrasive Blasting (Open) issued October 26, 1976, January 13, 1990, January 17, 1990, and April 16, 1997.
- Permits for Abrasive Blasting (Cabinet/Machine/Room) issued October 26, 1976, January 17, 1990, January 13, 1990, May 16, 1991, and December 30, 1992.
- Permits for Baghouses dated October 26, 1976, November 30, 1977, June 13, 1980, May 5, 1983, May 16, 1991, August 14, 1992, December 30, 1992, and May 5, 1994.
- Permits for Concrete Batch Equipment dated October 26, 1976, June 13, 1980, August 14, 1992, and May 4, 1994.
- Permits for Boiler (>20-50 million British thermal units per hour [MMBTU/Hr]) Comb Gas-Distil dated October 26, 1976.
- Permits for Boiler (>20-50 MMBTU/Hr) Natural Gas only dated December 30, 1992.
- Permits for Storage Tank Cement dated November 30, 1977, June 13, 1980, and May 5, 1983.

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- Permits for Amine (or diethanolamine [DEA]) regeneration dated July 1, 1982 and February 24, 1984.
- Permit for Amine Treating dated May 7, 1990.
- Permits for Spray Equipment Open Architectural/Spray Equipment Open dated July 3, 1986, June 29, 1990, July 18, 1990, April 8, 1992, and October 11, 1993.
- Permits for Storage Silo Cement dated August 14, 1992 and May 4, 1994.
- Permits for Low NOx Burner dated December 30, 1992.
- Permit for Plasma Arc Cutting dated June 16, 1993.
- Permit for Tar Pot dated April 13, 1994.

The following violations were listed:

- A violation was issued to Ameron Concrete Pipe Group on September 24, 1985. No information was provided.
- A violation was issued to Ameron Concrete & Steel Pipe Sys, So Div on March 17, 2009 for an Intrafacility Portable internal compustion engine (ICE). An application was required for administrative change of the equipment description.
- A violation was issued March 25, 2014 to American Wrecking Inc to provide revised demo notification. Equipment was described as asbestos.
- A violation was issued February 17, 1998 to Ameron Concrete & Steel Pipe Sys, So Div with the requirement to keep adequate records of all VOC-containing materials, closed lids of degreasers, dispose of solvent rags in metal containers with lids.
- A violation was issued February 20, 1998 to Ameron Concrete & Steel Pipe Sys, So Div with the requirement to post updated district required signs on gasoline pumps.
- A violation was issued to Ameron Concrete Pipe on May 16, 1989 for a diesel tank. No further information was provided.
- A violation was issued to Ameron Concrete Pipe Group So Cal Div on July 30, 1993 for an IC Engine. The listed requirement was a 1110.2 Compliance Plan.
- A violation was issued to Ameron Concrete & Steel Pipe Sys, So Div on February 11, 1998. The listed requirement was to “stabilize ASB in contaminated area by 2/27/98”.

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- A violation was issued to Ameron Concrete & Steel Pipe Sys, So Div on February 5, 2003. The listed requirement was to implement dust control measures for the “hickory yard”.
- A violation was issued Ameron Concrete & Steel Pipe Sys, So Div on January 22, 2009 for open spray equipment, abrasive blasters, tar pot, and gasoline storage and dispensing. The listed requirement was to provide daily production records for the cement batch plant, the monthly usage log for propane for the tar pot, and daily VOC emission records from the coatings from 2007 to the time of the violation.

Copies of the FINDS search results, SCAQMD’s response, and available records are included in Appendix C.

4.3.6 San Bernardino County Fire Protection District – Hazardous Materials Division

Kleinfelder submitted a written request to the San Bernardino County Fire Protection District Hazardous Material Division for available records for the Subject Property addresses. The San Bernardino County Fire Protection District Hazardous Material Division responded with a letter dated September 14, 2023. The letter indicated that the following records were available:

Active permit facilities

- SCE Pipe Station located at 12459 Arrow Highway. This facility was listed as having an active Hazardous Materials 1-3 Chemicals Special Handler permit and an inactive APSA Conditionally Exempt Permit.

Inactive permits and/or non-permit facilities:

- Tamco (formerly CMC) located at 12459, Suite B. This facility was listed as having an APSA 10,001-100,000 Gal. Fac. Capacity Permit, UST permit, Hazardous Materials 71+ Chemicals Handler Permit, RCRA LQG Permit, and UW Handler with Another CUPA permit.
- TI Wire (formerly I.W.P.A.D. Inc.), located at 12459-B Arrow Route. This facility was listed as having a Hazardous Materials 11-30 Chemicals Handler Permit and a RCRA LQG permit.
- Phoenix Services LLC, located at 12459-B Arrow Route. This facility was listed as having a Hazardous Materials 4-10 Chemicals Handler Permit, an APSA 1,320-10,000 Gal. Fac. Capacity Permit, and a SQG permit.

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- CMC Rebar Etiwanda (formerly Fontana Steel Inc), located at 12451 Arrow Route. This facility was listed as having a Hazardous Materials 11-30 Chemicals Handler Permit, and a SQG permit.
- Ameron Steel and Wire Division, located at 12459 Arrow Route. This facility was listed as a UST permit.
- Tervita LLC, located at 12459 Arrow Route. This facility was listed as having a Hazardous Materials 4-10 Chemicals Handler Permit, an APSA 1,320-10,000 Gal. Fac. Capacity Permit, and a SQG permit.
- Tube City IMS, located at 12459 Arrow Route. This facility was listed as having a Hazmat Handler Permit, an APSA 1,320-10,000 Gal. Fac. Capacity Permit, and a Special Generator permit.
- SCE Ameron Substation, located at 12459 Arrow Route. This facility was listed as having a Hazardous Materials 1-3 Chemicals Special Handler Permit, and an APSA Conditionally Exempt Permit.

Permits to remove/install/modify USTs:

- Ameron Steel and Wire Division, located at 12459 Arrow Route.
    - A permit was issued November 9, 1989 to remove one UST.
    - A permit was issued August 27, 1987 for removal.
- Tamco, located at 12459 Arrow Route, suite B.
    - A permit was issued May 4, 2021 for modification/repair.
    - A permit was issued August 2, 2018 for minor modification. This permit was indicated to be expired.
    - A permit was issued March 9, 2018 for modification.
    - A permit was issued February 8, 2016 for modification.
    - A permit was issued April 9, 2012 for modification.
    - A permit was issued November 19, 2010 for removal of one 330-gallon UST.
    - A permit was issued February 2, 2009 for modification.
    - A permit was issued March 24 2006 for removal of four 12,000-gallon USTs.
    - A permit was issued November 4, 1998 for modification.

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  - A permit was issued September 7, 1993 for removal of four 50,000 gallon USTs.
  - A permit was issued December 2, 1986 for installation.
- CMC/Tamco, located at 12459 Arrow Route, suite B.
  - A permit was issued March 13, 2020 for modification.
- CMC Rebar - Etiwanda, located at 12451 Arrow Route.
  - A permit was issued July 9, 2014 for removal.
  - A permit was issued May 12, 2014 for modification. This permit was then cancelled.
- CMC Fontana Steel, located at 12451 Arrow Route, suite B.
  - A permit was issued May 21, 2010 for modification.
  - A permit was issued July 15, 2009 for modification.
- Fontana Steel, located at 12451 Arrow Route.
  - A permit was issued March 3, 2003 for modification.
  - A permit was issued February 9, 1999 for modification.
  - A permit was issued April 19, 1989 for installation.

Hazardous material incident and/or complaint response activity:

- Ameron Steel & Wire Division, located at 12459 Arrow Highway. A line break and spill of sulfuric acid occurred February 17, 1989.
- Ameron Steel, located at 12459 Arrow Route. A complaint for radioactive steel and employee exposure was filed May 29, 1985.
- Bulk Transportation/DTI Associates, located at 12459 Arrow Route. A release of sulfuric acid occurred August 31, 2007.
- Tamco, located at 12459 Arrow Route, Suite B. A release of 30 gallons of water contaminated with baghouse dust occurred on June 8, 2017. The spill was reported to have been contained and cleaned up.
- Tamco located at 12459 Arrow Route, Suite B. A release of sulfuric acid occurred October 15, 2013.

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- Tamco, located at 12459 Arrow Route, Suite B. On March 27, 2007 a load of heavy metal delivered to Tamco from Main Street Fibers set off radiation alarms. The load was returned to its source.
- Tamco, located at 12459 Arrow Route, Suite B. A notification for radioactive material was filed July 27, 2005. The material was returned to its source.
- Tamco, located at 12459 Arrow Route, Suite B. A cylinder in the scrap pile was investigated by the bomb squad on March 4, 2005.
- Tamco, located at 12459 Arrow Route, Suite B. A load of scrap metal set off the radiation alarms. The load was returned to its source.
- Tamco, located at 12459 Arrow Route, Suite B. Hazmat was call for a fire on October 21, 1999.
- Tamco, located at 12459 Arrow Route, Suite B. Cooling tower water mixed with waste oil and solvents was alleged to have been used as dust control on June 13, 1996.
- Tamco, located at 12459 Arrow Route, Suite B. A complaint reported that waste oil and solvents were disposed of in cooling tower and then used as dust suppression. Investigation did not uncover any evidence and the case was closed June 13, 1996.
- Tamco, located at 12459 Arrow Route. A complaint was filed for dumping and covering slag. Investigation did not uncover any evidence and the case was closed July 28, 1992.
- Tamco, located at 12459 Arrow Route. Soils were reported to have been contaminated with metal oxides on August 1, 1986.
- Tamco, located at 12459-B Arrow Route. A live 20-millimeter round was reported to be present in a scrap metal pile and hazmat was called to verify.
- TI Wire, located at 12459 Arrow Route. A release of hydraulic oil was reported on November 6, 2009. The release occurred due to an accident with rebar carried by a Tamco forklift.
- TI Wire, located at 12459-B Arrow Route. A release of sulfuric acid occurred on August 21, 2008.

Site Remediation:

- Ameron Steel (Geotracker™ Global ID T0607100046) - reported September 25, 1989 and closed December 4, 1990.

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- Tamco – closed May 11, 1994.
- Ameron, Inc – reported December 6, 1991.
- Tamco – LUST reported November 22, 1993 and closed May 11, 1994.
- Tamco – reported November 17, 1997 and closed July 2, 2002.

Kleinfelder also reviewed the records available at San Bernardino County Fire Protection District on September 27 and 28, 2023. A summary of pertinent information is provided below. Copies of pertinent information are included in Appendix C.

12451 Arrow Route:

CMC Fontana / Fontana Steel

- A permit to install a 10,000-gallon diesel UST was dated April 19, 1989 (*note: most of the inspections refer to this UST as a 12,000-gallon UST*).
- Business plans had been accepted by San Bernardino County for Fontana Steel from 1994 through 1999. Hazardous material and waste chemical inventories were requested in 1994. Propane was listed at the Fontana Steel facility in 1999. Oxygen, acetylene, propane, waste oil, and waste ethylene glycol were listed in 2000. Diesel was listed on site in 2001. Fontana Steel was listed as owned by CMC Steel Fabricators in 2001.
- Business Emergency Plans and Chemical Inventory lists from 2002 through 2014 indicate that motor oil, diesel fuel (approximately 11,627 gallons), oxygen, propane, acetylene, waste oil, waste ethylene glycol, and waste sludge from the oil water separator.
- A lab report from Chemical & Environmental Laboratories, Inc, dated March 19, 1999, entitled “Fontana Steel” included results for four soil samples. A note on the report indicated that these samples were collected from underneath old fuel dispensers during upgrade activities. Results indicate diesel concentrations in three samples up to 3,298 mg/kg. The samples appeared to be collected at different depths (2.5 feet, 3 feet, and 4 feet) from one location and the maximum concentration was present at 2.5 feet. Diesel was present in the 4-foot sample at 1,263 mg/kg. Benzene, toluene, ethylbenzene, and methyl tertiary-butyl ether (MtBE) were not detected. Xylenes were detected up to 0.217 mg/kg.
- Special Handler, Limited Quantity, and facility permits were available for Fontana Steel from 1994 through 2002. UST permits were available for Fontana Steel from 1990 through

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2002. Special Handler, Limited Quantity, and UST permits were available for CMC Fontana / Fontana Steel from 2002 through 2007.

- From 2009 through 2011, the following permits were issued to CMC Fontana: HAZMAT handler 11-25 employees, limited quantity generator, and UST ownership/operating permit (per UST).
- In November 2012 annual CUPA permits for the following; UST ownership/operating permit (per UST), EPCRA facility, conditionally exempt small quantity generator were issued to CMC Rebar-Etiwanda. A temporary UST permit was issued in December 2013.
- Annual CUPA permits for UST ownership/operating permit (per UST), Hazardous Materials 11-30 chemicals, SQG, and CUPA annual admin permit program fee-level 2 were issued in November 2013.
- In November 2014, annual CUPA permits for hazardous materials and SQG were issued to CMC Rebar-Etiwanda.
- Inspection reports were also available for Fontana Steel from 1994 through 1998, after which CMC-Rebar was listed as the facility name from 2010 through 2020. Inspection reports list a 12,000-gallon diesel UST and 150-gallon oil UST on the facility, and that the water from on site is captured in a clarifier system and the water is evaporated. Sludge from the clarifier was reported to be hauled off site.
- In July 2005 and December 2010 and 2012, a UST Facility Information Sheet lists the following product types; aviation gas, diesel, ethanol, jet fuel, midgrade unleaded, other, other non-petroleum, petroleum blend fuel, premium unleaded, regular unleaded, and used oil. One 12,000-gallon diesel UST was listed as installed June 1989.
- A Hazardous Material Field Services form (5050 Form), states that one UST was removed, along with soil sampling which was witnessed August 14, 2014.
- A Construction and/or Removal of Underground Storage Facility permit was issued for the removal of one 12,000-gallon diesel UST on August 14, 2014. Three soil samples (two from beneath the UST and one from beneath the dispenser) were collected and analyzed for VOCs and diesel. Diesel analytical results were 1.52 mg/kg from beneath the dispenser, 1.02 mg/kg from beneath the north end of the UST, and 1.26 mg/kg from beneath the south end of the UST. VOCs were not detected.
- San Bernardino Fire Department letter dated October 29, 2014 to CMS Steel Fabricators, Inc, with Subject: Removal of Underground Storage Tank(s) located at CMC Rebar-Etiwanda, 12451 Arrow Rte, Rancho Cucamonga, CA 91739. This letter indicated that the

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fire department had received soil sample analytical results following the removal of a 12,000-gallon UST. The letter indicated that the soil samples had been collected from approximately 16 feet bgs from the bottom of the UST cavity and from approximately 6 feet bgs from beneath the former dispenser. The letter indicated that no further action was required.

- Pursuant to a San Bernardino County CUPA Facility Information sheet submitted July 2017, the following violations were noted from an inspection performed in June 2017; failure to properly label hazardous waste accumulation containers, failure to ensure the following information is present and legible on a hazardous waste label; “hazardous waste”, name and address of the generator, physical and chemical characteristics of the hazardous waste and starting accumulation date, failure to note accumulation date, failure to accurately complete and electronically submit the Business Activities Page and/or Business Owner Operator identification, failure to properly manage used oil filters in accordance with the requirements. Comments in the San Bernardino County CUPA Facility form states that a 500-gallon diesel AST has been obtained to replace 55-gallon drums at the facility. An attached email from July 2017 conveyed the new inventory which included the 500-gallon diesel AST, three 55-gallon hydraulic oil drums, two motor oil drums, one transmission oil drum, one 20-gallon drum of gear oil, two 5-gallon buckets gear oil, and one 250-galon tank of used oil.

12459 Arrow Route:

Bulk Transportation/ DTI Associates

- A San Bernardino County Fire Department Source Envision E/R Report indicated that a release of sulfuric acid occurred at 12459 Arrow Highway, Etiwanda on August 31, 2007. Status was indicated to be closed. A Spill Center letter dated September 7, 2007 indicated approximately 60 gallons of sulfuric acid was released when a hose failed during unloading.

TAMCO

Lead Contamination Cleanup Case – 1990

- Preliminary samples were collected July and August 1986.
- A TAMCO letter dated August 18, 1986 with subject “Remedial Action Plan” indicted that TAMCO was focusing on intercepting any water runoff from the facility and performing the

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soil sampling and testing and cleanup of the contaminated soil. TAMCO indicated it was constructing a concrete dam near the railroad spurs culvert in the southwestern portion of the facility to capture process water. TAMCO indicated that they plan to limit the use of water to cool the slag. TAMCO indicated that the sewer line was cleaned to remove obstruction.

- RWQCB notes dated August 19, 1986 indicate that the contaminated area is approximately 21 acres, with contamination limited to 1 to 2 feet except near the railroad. Remediation will include the upper 6-inches over 10-13 acres. The notes indicated that zinc, copper, chromium, and nickel were detected, but did not exceed STLC, and only five samples contained lead concentrations that exceeded STLC.
- A sampling plan was proposed by Chemical Consultants to TAMCO in a cost proposal dated October 27, 1986. The RWQCB approved a proposed sampling plan in a letter dated June 3, 1987. Handwritten notes on a Hazardous Waste Generator Production Process Flow Chart dated October 9, 1986, indicated that the contaminated land began at the end of the asphalt swale, extended through the railroad trestle, and into a field south of the railroad owned by Atchison, Topeka and Santa Fe (ATSF), SCE, and a Mr. Kagarian. Sources of the contamination were identified in meeting notes between TAMCO and RWQCB from August 18, 1986 as cooling tower and clarifier discharge line overflows. Additional care was indicated to be taken to prevent baghouse dust from entering drainage areas and limit cooling slag with water and having runoff.
- A transmittal letter dated May 16, 1988 to “File-Tamco-Hazardous Waste Cleanup (Non-Gasoline)”, with subject “Meeting with TAMCO regarding Site Investigation”. This transmittal documented meeting with TAMCO and Chemical Consultants. Five bores were drilled on April 25, 1988 to 7 to 20 feet bgs in the vicinity of the railroad bridge. Results indicated that lead concentrations increased at 5 feet bgs and then decreased at deeper depths. Lead was deeper in one area where a pit had been eroded in 1969 during flooding. Additional bores to depths of 8 to 10 feet bgs were proposed to be advanced in a 25-foot grid pattern in the brush and mud area, and hand-auger bores to 18 inches were proposed in a 25-foot grid pattern in the bamboo area. Attached was laboratory data from Chemical Consultants for the five preliminary bores.
- Department of Health Services letter dated September 15, 1988, entitled “The Trezek Group, Inc. – Polysilicate Treatment of Heavy Metal Contaminated Soil, at the TAMCO Steel Plant, Rancho Cucamonga”. This letter was in regard to a variance request from the Hazardous Waste facility permit requirements for application of polysilicate to excavated

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soils containing heavy metals as part of a demonstration of heavy metal stabilization process. Approximately 4,000-cubic yards of soil was proposed to be treated as part of a demonstration. The soil was reported to contain lead, zinc, and cadmium. This letter approved the variance.

- Clean-up Technology Inc letter dated August 23, 1990, entitled TAMCO Off Site Contamination, Etiwanda, CA. This letter conveys the remedial workplan for the contaminated soils on the property southwest and adjacent to TAMCO. The soil had been contaminated by runoff from TAMCO. Contaminated soils were proposed to be placed in stockpiles. The contaminated soils will then be treated and reused as foundation for future construction projects (scrap yards operations area) at TAMCO. RWQCB set the cleanup goals as 50 mg/kg lead for soil and 5 mg/l for soluble lead. Verification samples would be collected after excavation. Treatment of the contaminated soils included blending the soils with reagents to stabilize the soluble lead contamination.
- RWQCB Letter dated November 7, 1990, entitled "Remediation of Lead Contaminated Soil at Site Southwest of TAMCO in Etiwanda". This letter indicated that Cleanup Technology excavated and removed lead contaminated soil from an adjoining property southwest of TAMCO. The remedial excavation activities were performed until all contamination had been removed.

USEPA Reports

- USEPA letter dated September 13, 1994 transmitted a Site Assessment Report prepared by URS on the TAMCO facility. This report documents a preliminary assessment of TAMCO and identified that the baghouse waste generated at the facility was identified as a RCRA hazardous waste. The report indicated that this waste was generally disposed of at a disposal facility, but baghouse waste was identified as present in a 250-feet long by 100-feet wide and 25-feet tall slag pile in the northwest portion of the TAMCO facility. The report indicated that some baghouse waste was irradiated when a canister containing cesium went into the furnace. A portion of this irradiated waste was sent off site for disposal at Kettleman Hills landfill in May 1985. The California Department of Health Services determined the irradiated load would be left in place at Kettleman Hills. The remaining waste identified as radioactive waste was sent for disposal at U.S. Ecology. TAMCO subsequently has performed radioactive screening of scrap metal brought to the facility. In 1988, soils southwest of the TAMCO facility had been impacted by runoff containing baghouse waste. Baghouse waste was spilled on the ground surface during transfer from the baghouse to the trucks or roll-off bins. Lead concentrations up to 135

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mg/L, zinc up to 1,860 mg/L, and cadmium up to 5.7 mg/L were reported in soil samples from the property southwest of TAMCO. Approximately 3,300-cubic yards of impacted soils were excavated and stabilized under a variance from the DTSC. After stabilization, the treated soil was stockpiled and then a portion was used to backfill UST excavations. Four USTs were removed November 15, 1993. The Site Assessment Report identified the stabilized soil, the slag pile, and the radioactive baghouse waste as areas where hazardous waste were present. The slag pile was reported to have been sampled in 1993 and elevated concentrations of cadmium, chromium, lead, nickel, and zinc were present. The site history obtained from TAMCO indicated that American Pipe and Construction Company built a Melt Shop in 1956, prior to which the property was used for agricultural purposes. American Pipe and Construction leased the property until August 25, 1968 when American Pipe and Construction purchased the property from Illinois-California Express, Inc. TAMCO was formed in 1974 with ownership divided between Ameron Steel and Wire, Tokyo Steel, and Mitsui. A Rolling Mill was constructed in 1982. Baghouse waste had been transported off site via railroad car for disposal since 1991. Stormwater runoff flows southeast and southwest. A retention basin captured the runoff to the southwest, and the runoff to the southeast flows into the Chadwick Channel. Baghouse dust had impacted stormwater runoff leading to the contamination off site to the southwest. Wastewater from the cooling tower was piped to the Chino Basin Publicly Owned Treatment Works. Waste from the maintenance shops included waste solvents, degreasers, and oils. These wastes were stored in drums and disposed off site. Before removal, the drummed waste was stored in a bermed concrete hazardous materials storage area. Stained concrete was observed in the maintenance areas. At the time of this report, four USTs were being removed. These USTs had stored fuel oil for the Rolling Mill furnace. During URS' site walk, the slag pile mentioned above was observed to be not lined or covered. The Furnace building was observed to have metal strewn about the floor and significant dust was observed in the air. URS concluded that it is unlikely to impact groundwater, therefore the facility does not qualify for further remedial assessment under CERCLA.

- USEPA 1995 Hazardous Waste Report Waste Generation and Management, TAMCO. Listed waste included "emission control dust from electric arc furnace", contaminated baghouse filter bags, oily water from secondary containment and skimmers from hot wells, parts cleaning solvent from parts cleaning machines, ignitable tank bottom waste from fuel tank cleanup, corrosive liquid, sodium hydroxide, sodium hypochlorite from cooling tower treatment, waste oil from mobile equipment, waste sulfuric acid from cooling water

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treatment, 55-gallon empty poly drums from cooling water treatment, potassium carbonate (soda ash) from cooling water treatment, hydrocarbon contaminated soil from site cleanup, and waste lube grease contaminated with dirt during servicing of equipment.

Slag Stockpile Remediation Case – 2000

- Clayton Environmental Consultants (Clayton), *Workplan for Field Pilot Plant Operations to Separate Slag/Non-Slag Materials at Tamco* dated May 28, 1998. This document presented a workplan to evaluate a sorting process to separate slag from non-slag materials using a rotary drum separation system. Background information presented in this report indicated that stormwater flowed southwest to a concrete-lined retention pond and then was directed to Chadwick Channel. Groundwater is reported to be at approximately 420 feet bgs. TAMCO was described as an active steel mill facility that utilizes scrap metal to produce rebar. Facility structures included an Office building, Furnace building, Baghouse, Rolling Mill, Maintenance shops, and cooling towers. The facility also included railroad spurs and storage yards. This facility was historically operated as Etiwanda Steel Producers in 1956. The plant was later named Ameron Steel & Wire. Ameron, Tokyo Steel and Mitsui Corporation formed a consortium to operate the Melt Shop in 1976. This consortium was called TAMCO. The Melt Shop and Roll Mill became TAMCO in 1983. TAMCO provided steel billets to Ameron Steel & Wire to be manufactured into rebar. Scrap metal consisting of shredded automobiles would be delivered to TAMCO, screened for radioactivity, and then placed in piles on a concrete pad. The scrap metal was spread out and anomalous objects removed prior to the metal being recycled. Recycling consisted of melting the scrap and reforming it as steel billers, which then would be heated and pressed and formed into rebar at the Rolling Mill. Slag (iron and silica) and baghouse waste were generated through the steel milling process. At the time of this report, the baghouse waste was shipped off site by rail car to a disposal facility in Tennessee for zinc recycling. Approximately 700 tons of baghouse waste was reported to have been produced monthly. Waste was stored in the northwest corner of the facility in the later 1970s through early 1980s. The USEPA performed a field assessment of the stockpiled slag material in November 1993 and, in a report dated September 13, 1994 and titled *CERCLA Preliminary Assessment Report*, had indicated that no release or exposure pathways to groundwater were identified. The County of San Bernardino requested assessment or remedial action of the slag stockpile in a letter dated April 14, 1998. An investigation of the slag stockpile was performed January 1993. This investigation included digging three trenches into the pile to the soil underneath. Soil, slag,

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and non-slag samples were collected. Non-slag material was identified as having lead (20,000 mg/kg), zinc (140,000 mg/kg), and cadmium (380 mg/kg and 420 mg/kg) concentrations orders of magnitude above the soil or slag samples. The investigation concluded that the constituents of concern had not migrated into soil. Soil samples did not contain cadmium concentrations above reporting limits (less than 0.7 mg/kg), lead concentrations ranged up to 18 mg/kg, and zinc concentrations ranged up to 110 mg/kg. This document proposed using the rotary drum separation (RDSS) method to sort the slag from the non-slag. Negative pressure applied to the drum would remove the baghouse fines. Samples of the slag and baghouse waste were proposed to be tested to show that the non-slag with the heavy metals was removed.

- Delta Air Quality Services, Inc. June 1999, *Source Test report for the Portable Slag Pile Treatment System*. This report documented tests for particulate matter in relation to the operation of the portable slag pile treatment system.
- Clayton, *Demonstration Report on: Field Pilot Plant Operations to Separate Slag/Non Slag Materials located at Tamco, Rancho Cucamonga, CA*, dated August 11, 1999. This report summarized the pilot test results for a treatment system to separate slag from non slag to remediate an approximately 41,137-cubic yard stockpile of mixed layers of clean slag, dirty slag, and baghouse dust. This report identified clean slag as slag free from baghouse dust and having low concentrations of heavy metals. Dirty slag was identified as slag impacted by baghouse fines that have high concentrations of heavy metals. In summary, the pilot test was performed on 250 tons of material removed from the slag pile in the northwest portion of the facility. Material was run through the rotary drum separator six times. Five runs were performed using dirty slag and one run using clean slag. No heat was used during the first runs, and it was observed that fines were still present on the slag material. Laboratory results of the slag from the first few runs also indicated that the slag qualified as hazardous waste. Subsequent runs were performed with heat. Slag samples greater than 4-inches in diameter were reported to be able to be separated by vibrational screening so long as no moisture was applied to bind the dust. One larger sample was reported to have hazardous chromium levels even after screening, but this sample was considered to be an outlier. Samples of the less than 4-inch diameter slag collected after the heated runs were reported to pass hazardous waste criteria. Samples of the baghouse dust failed California (but not RCRA) hazardous waste criteria for cadmium, lead, and zinc.
- The Leu Group and Clayton Environmental Consultants conveyed the quarterly report for the remediation of the 41,000-cubic yard stockpile of slag and non-slag material on August 29, 2000. After being run through the RDSS the clean slag was tested and then Olympic

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Mills would sell the slag. Remediation began Apil 3, 2000. Approximately 24,900 tons of baghouse dust was disposed of at US Ecology. Approximately 37,600 tons of slag was identified as clean. The clean slag was stockpiled and processed by Olympic Mills or crushed and reused as cement. After the stockpile was treated, baghouse dust and slag were found beneath the stockpile in a couple depressions. Trenches were excavated in the north to south and east to west directions in the former stockpile footprint. The baghouse dust/slag was found to extend to depths ranging between 1 foot and 4 feet below grade, with a couple depression extending up to 12 feet bgs. The depressions were excavated and an additional 15,000 tons of material was remediated. This letter indicated that the remediation would require another six to eight weeks to complete.

- Clayton Environmental Consultants letter dated March 17, 2000 to San Bernardino County Fire Department entitled “SCAQMD Permits and Start Up Date for Implementation of RAP for Treatment of Slag/Non Slag Stockpile for TAMCO Facility in Rancho Cucamonga, California.” This letter conveyed the SCAQMD permits. The RDSS was indicated to be powered using natural gas.
- San Bernardino County Fire Department letter dated January 10, 2000, entitled “Remedial Action Plan for the Treatment of the Slag/Non-Slag Stockpile at TAMCO, located at 12459 Arrow Highway, Rancho Cucamonga, California.” This letter approved the remedial action plan (RAP) for the stockpile.
- The Leu Group sent a letter dated November 22, 2000, to the San Bernardino County Fire Department, requesting to reuse the clean slag generated by the Rotary Drum Separation System as cover material. The slag was reported to have been sampled and met the cleanup criteria identified in the 1999 Remedial Action Plan (cadmium 100 mg/kg, chromium 2500 mg/kg, lead 1,000 mg/kg, zinc 5000 mg/kg, soluble cadmium 1 mg/L, soluble chromium 560 mg/L, soluble lead 5 mg/L, and soluble zinc 250 mg/L). Attached was a table showing the sample results listing maximum values of 35 mg/kg cadmium, 2,040 mg/L chromium, 447 mg/kg lead, and 1,260 mg/kg zinc. The soluble metal results did not exceed cleanup criteria.
- Notes from October 20, 2000 regarding post-excavation verification sampling. The notes indicate that the stockpile has been treated and that native soil is exposed. Pits containing baghouse dust and slag were being excavated. Thirty-two (32) verification samples were collected from the western stockpile footprint from approximately 6 inches into native soil.
- Notes from November 14, 2000 for post-excavation sampling from the footprint of the eastern footprint of the stockpile. Several pits were discovered, one of which was 20 feet

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deep. Seventeen (17) samples were collected and analyzed for lead, chromium, cadmium, and zinc. An attached table showed confirmation sampling results. Areas with high lead concentrations were overexcavated and another verification sample collected. Sometimes multiple passes were performed to obtain clean soil. With the exception of areas identified as C9 which had five passes performed, the excavation achieved non-hazardous levels.

- San Bernardino County Fire Department letter dated July 2, 2002 with subject "Remediation of Slag and Non-Slag Stockpiled Soil for TAMCO, located at 12459 Arrow Highway, Rancho Cucamonga, California," dated July 2, 2002. This letter confirmed completion of remedial action but indicated that residual contamination remains in soil, but as concentrations are below hazardous waste thresholds, no further action is required.

Miscellaneous (facility forms, permits, inspection reports, complaints)

- TAMCO Hazardous Waste Source Reduction and Source Review Plan, undated. This report presents changes TAMCO plans to reduce baghouse dust generation. Changes included using lime pellets instead of lime powder to reduce the mixing of the lime powder and baghouse dust and thus the volume of dust and TAMCO constructed two 100-foot by 300-foot concrete pads to store scrap on in order to avoid having dirt mixed with the scrap and go into the EAF.
- Complaint and Investigation report dated July 28, 1992. A complaint was filed for dumping and covering slag. An employee reported that slag was dumped and covered east of the doorway of the north baghouse. The case was closed after no evidence was uncovered during investigation.
- An incident report dated October 21, 1999 was for a fire at the TAMCO scrap yard. A pile containing steel turnings and steel-belted tire cords caught fire when hot slag was spilled by a loader operated by Olympic Mill. The load was transporting the hot slag from the Rolling Mill to the scrap yard. The pile was spread and the fire extinguished. Approximately 35,000-gallons of contaminated water was removed for off-site disposal. Waste manifests were attached to the incident report. The waste was described on the manifests as water contaminated with oil and as "oil contaminated suppression water" on the San Bernardino County Fire Department Hazardous Materials Response Report.
- Multiple hazardous waste generator permits were listed for TAMCO from 1984 to 2002, and hazardous waste handler permits were listed for TAMCO from 1990 to 2002. A hazardous waste generator permit application from 1984 lists baghouse dust as the waste generated.

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- A letter from TAMCO to the Department of Environmental Health Services, dated October 17, 1991, regarding processing drained and crushed oil filters. This letter was regarding the SCAQMD changing TAMCO's permit to operate requirements because of the oil filter recycling plan. Attached were documents that included an introduction and summary of TAMCOs operations and history, a description of baghouse waste, and requirements for used oil filter acceptance for recycling. The used oil filters were to be stored on pads in the scrap yard and to be free of any dripping oil. Based on an interoffice memo, used oil filter recycling was set to begin June 1, 1992.
- A letter from TAMCO to the Department of Environmental Health Services, dated August 8, 1992, responded to a complaint that TAMCO buried drums in the slag area of the Melt Shop. The letter indicated that the largest waste stream was baghouse dust which is transported by railcar to metal recyclers in Illinois and Tennessee, and the baghouse dust is not contained in drums.
- Complaint dated June 17, 1996. The complaint indicated that waste oil and solvents were in the cooling tower water which was used as dust suppression. An inspection had been made on May 29, 1996. The inspector indicated that the cooling tower is a closed loop with no outlet valve. The May 29, 1996 inspection was attached. The inspection notes that the cooling tower is not discharged and evaporation rates are high. Oily water is skimmed from the "hot wells" and removed off site for disposal. No violations were reported.
- San Bernardino County Fire Department letter dated December 4, 1997, titled "Regulatory Oversight of the Investigation and Remedial Actions at TAMCO, located at 12459 Arrow Highway, Etiwanda, California, Site # 97067". This letter indicated that the San Bernardino County Fire Department would perform oversight of the characterization and cleanup activities at TAMCO. Attached was parcel owner information which listed TAMCO as the owner of 0229-121-34 and 0229-121-33, TAMCO Steel Subsidiary Inc was listed as the owner of 0229-121-19 (addresses 12343 Arrow Highway, 12353 Arrow Highway, 12459 Arrow Highway). TAMCO was the lessee and Imaging Financial Services Inc. was the lessor of 0229-131-117 (12459 Arrow Highway). Ameron, Inc. was listed as the owner of 12455 Arrow Highway, 0229-131-17. Cargill Leasing Corp lessor and Industrial Wire Products lessee were listed for 12559 Arrow Highway, 0229-131-17.
- TAMCO letter dated April 16, 1999, entitled "04/14/99 Explosion at TAMCO". An explosion and fire were reported southwest of the melt shop. Molten steel and slag was dropped into mud and water accidentally resulting in an explosion which caused the nearby vegetation and a railroad flat car to ignite.

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- Business Activity forms and Inventory summary forms were provided for TAMCO from 2000 through 2012. Business plan update correspondence for TAMCO was also available from 1996 through 1999. The inventory lists included the following hazardous materials/wastes having been present at the TAMCO facility: bleach, casting oil, cooling water additives (3D Trasar, Nalco 8338), diesel, liquid nitrogen, Metsafe 200 Glycol, motor oil, gear oil, hydraulic fluid, oxygen, propane, waste oil, oil contaminated debris, unleaded gasoline, Dia Carb Carbon/Coke, quick lime, baghouse dust, nitrogen, acetylene, propylene, helium, paint waste, compressor oil, hydrous sodium silicate, nitrous oxide, sulfuric acid, glass impact beads, silica manganese (Si Mn), argon, diesel, sodium hypochlorite, junk lead batteries, oil-contaminated soil from site cleanups, oil-containing waste, calcined petroleum coke, grease, calcium carbide, hydrogen peroxide, Kleen Weed, antifreeze, natural gas, Safety-Kleen Aqueous Parts Cleaner, sodium molybdate, among other materials/chemicals associated with the steel mill process.
- TAMCO letter dated June 21, 2001 indicated that a fire occurred in the scrap yard.
- Source – Hazardous Materials Release Report (HMRR) (1994-2004), on February 13, 2003 the Fire department was called to identify an unknown cylinder in a pile of scrap metal. The cylinder was identified as containing chlorine gas.
- Hazardous Materials Spill Report dated April 12, 2004. The radiation alarm was going off due to welding being performed at Fontana Steel.
- Facility Release Report, dated August 23, 2005. Status was listed as closed. The bomb squad responded to a report of 20 mm ammunition suspected to be present in scrap metal. The 20 mm round was removed.
- Hazardous Material Field Services Computer Database Update Authorization, dated April 28, 2006, indicated facility is processing waste aerosol cans using a puncture device.
- Inspection report dated April 18, 2006. Report indicated that TAMCO inspected all incoming scrap metal for radiation before the scarp went to the electric arc furnace. Waste included slag which was sold to Olympic Mill Services who manufactured the slag into road base. The baghouse dust was disposed of at a recycling facility in Mexico. Other waste included waste oil, oil-containing waste, junk lead batteries, oil-contaminated soil from cleanup activities, and used-oil filters. Aerosol waste was stored in 55-gallon drums. Site USTs included a 2,000-gallon gasoline UST and a 10,000-gallon diesel UST; multiple ASTs containing oxygen, nitrogen, propane, oil, gear oil, sodium hypochlorite, and lubricating fluids; 55-gallon drums containing sodium hydroxide, hydrochloric acid, hydrogen peroxide, oil-based lubricating fluids, and Algacite 500; and cylinders of argon.

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Waste included waste oil, baghouse dust, lead batteries, waste material from aerosol cans, and contaminated soil and debris. Violations included liquid observed in the secondary containment for the sodium hypochlorite AST and the containment containing 55-gallon drums of hydrogen peroxide stored on wood pallets. A violation for failure to label hazardous waste containers. Violations were listed for failure to store the used oil filters in a covered container and failure to updated business plan. Based on photos attached to the inspection report, the 500-gallon sodium hypochlorite AST was used to treat the cooling tower water and was located south of the scrap metal yard, in the western portion of the facility near the electrode storage area.

- Hazardous Material Field Services Computer Database Update Authorization, dated March 27, 2007. Written notes indicated to active two UST permits as the facility has a "98" and diesel fuel UST. Two USTs were removed on October 6, 2006.
- San Bernardino County CUPA annual permits were issued to TAMCO for being a LQG (or super large quantity) generator and handling hazardous waste in 2007 to 2015. Two UST Ownership/Operating Permit (per UST) were listed for TAMCO in 2002 to 2015. An invoice for the removal of four USTs was included for 2006.
- The 2009 inspection report required that a Business Emergency Contingency Plan be updated and hazardous waste containers must be properly labeled.
- California Emergency Management Agency Hazardous Materials Spill Report, dated November 6, 2009. Approximately 5 gallons of hydraulic oil was spilled due to a collision at the TAMCO Steel facility. Clean up was reported to be complete.
- Hazardous Material Field Services Computer Database Update Authorization, dated November 20, 2009. Listed two active USTs.
- Gerdau Notice to the Market, Gerdau Announces Agreement to Acquire Tamco, dated September 15, 2010. TAMCO was reported to have been incorporated August 2, 1974.
- Hazardous Material Field Services Computer Database Update Authorization, dated November 20, 2010. Listed two active USTs and indicated one 300-gallon diesel UST had been removed.
- Facility Information forms dated March 1, 2010, October 12, 2011, April 26, 2012, March 25, 2013, April 4, 2014, and March 17, 2015 listed two active permits for USTs. The USTs were the spilt compartment UST.
- The 2012 inspection form indicated that TAMCO also included production operations for Ameron, TI Wire, Tube City Slag processors and Fontana Steel, and that TAMCO had

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been acquired by Gerdau long Steel North America. Approximately 600,000 pounds of baghouse waste was reported to be produced per year and disposed of via railroad car to Mexico. Violations listed included the requirement that waste be characterized prior to disposal. A 55-gallon drum in the spray weld area required characterization. A notification for the operation of aerosol puncture equipment was required. ASTs required daily inspection records. Training records must be maintained. Complete the Spill Prevention, Control, and Countermeasure (SPCC) plan.

- Hazardous waste daily inspection checklists were available for 2012. Records indicated labels need to be updated, rainwater pumped out, and the pump removed.
- Gerdau letter dated March 6, 2012 entitled “Notification of the Processing of Aerosol Cans”. This letter indicated that the aerosol cans were discharged into a 55-gallon drum, which was marked as hazardous waste and stored on a containment pallet. TAMCO has 5 aerosol processing units. Approximately 150 gallons of waste aerosol were generated each year.
- Gerdau letter dated November 20, 2013 entitled "TAMCO FA0006582 Certificate of Compliance”. This letter was regarding compliance from the April 26, 2012 inspection, including implementation of a SPCC plan, a training program, hazardous waste testing for the street sweeper dirt for disposal, and characterization of a drum of arc-welder baghouse dust.
- Gerdau letter dated September 9, 2013, entitled "Notification of Changes in the Processing of Aerosol Cans”. Used aerosol containers were stored until they could be processed.
- Source-Facility Release Report dated October 15, 2013. A release of 5 gallons of sulfuric acid from a tank feed line for a cooling was reported to have occurred on October 9, 2013 at TAMCO.
- Gerdau letter dated August 5, 2014, entitled “Notification of an Additional Aerosol Can Processing Unit”. TAMCO was listed as having five aerosol processing units, and this letter indicated that a new unit was installed.
- Facility Information dated February 13, 2016 indicated that ownership was transferred from TAMCO to Gerdau. Two active permits for USTs were listed.
- CUPA Compliance Inspection Report dated February 8, 2016. Baghouse waste was disposed of off site as RCRA hazardous waste. Street sweeping waste was disposed off site as either non-hazardous waste, non-RCRA hazardous waste, or RCRA hazardous waste. An oil-water separator was reported to be present on site and the oil water/oily

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sludge waste was disposed of off site. Other wastes include used oil, oily solid waste, used oil filters, and universal waste. Violations included an illegible gauge of the 100-gallon diesel AST near Cooling Tower Number 4 and no sensors for liquid levels, failure to update business plan, two 55-gallon drums of unknown waste, observed pooling of oil in secondary containment for 275-gallon AST and oily residue on totes, and incomplete hazardous waste labels.

- Kleinfelder *Waste Oil Tank, Professional Engineer Hazardous Waste Tank System Assessment/Certifications, Gerdau Long Steel North America, Rancho Cucamonga, California,* dated February 23, 2016. This document described a waste tank certification. The waste oil tank was indicated to have been a shop-fabricated tank purchased in 2008. The tank was reported to be manually filled by placing oil filters and other equipment on the steel grate over the tank or using a pump to transport oil into the AST. The tank was located within concrete secondary containment with other ASTs, including three 500-gallon oil and hydraulic fluid, one 250-gallon gear oil tank, and 55-gallon drums. No cracks were observed in the welds, paint was worn away in some areas, minor surface corrosion, but no structural damage was observed on the tank. A sump was present in the southeast corner of the containment. Cracks were observed in the floor of the secondary containment. Residual oil in the secondary containment was identified. Recommendations included proper housekeeping, and that the paint on the AST should be maintained.
- A Certificate of Compliance dated March 9, 2016 for violations observed on February 8, 2016. This indicated that oily water was pooling in the secondary containment for the 275-gallon AST near Cooling Tower Number 1 and oil residue was observed on the two 275-gallon totes outside the maintenance shop. Level sensors were not observed and an illegible gauge was present on the 100-gallon diesel AST next to Cooling Tower Number 4. The CERS emergency plan appeared to be incomplete.
- San Bernardino Fire Department Source – Envision E/R dated June 8, 2017 for contaminated water/baghouse dust. Gerdau Steel reported that 30-gallons of industrial water contaminated with baghouse dust was released on concrete.
- San Bernardino County Fire Department Source – Envision E/R dated February 9, 2017. This document listed the property owner as Gerdau Long Steel North America. Active permits for TAMCO included Hazardous Materials 71+ Chemicals, Super Large Quantity Generator, two UST Ownership/Operating Permit (per UST), UW Handler W/Another Haz Waste Generator, and APSA 10,001-100,000-Gallon Facility Capacity. Inactive permits listed included Hazardous Waste Generator RCRA LQG, and five UST

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Ownership/Operating Permit (per UST). A complaint for release of approximately 2,300-gallons of chemical dust suppressant “Road Pro NT” into an adjoining property, the NRG Power Plant, through the Chadwick Channel was reported on February 10, 2017. The release was discovered when the power plant noticed a change in their stormwater samples. The release was vacuumed up from the storm drain system.

- Facility Information Form dated February 21, 2019. Facility CUPA permits, including two UST permits, were listed as active. The facility owner was listed as Commercial Metals Company. A change of ownership was listed as of November 5, 2018. Previous owner listed was Gerdau.
- A couple corrective action letters from San Bernardino County Fire District were addressed to TAMCO on February 10, 2020 and August 14, 2019 for administrative violations. A Certificate of Compliance was available for the 2019 violation for updating the business plan. The 2019 inspection indicated that TAMCO operated a mini mill which manufactured concrete rebar out of scrap metal. Wastes generated included baghouse dust, mill scale, slag, clarifier wastewater, used oil, waste oily water, waste antifreeze, used oil filters, and waste paint. Hazardous materials stored on site included one roll-off bin of oil-contaminated debris, four drums insulating oil, drums of motor oil, twelve containers of Tower Brom 991, six drums of waste paint, two 275-gallon totes of oily water, one drum antifreeze, five 275-gallon totes of hydraulic oil, one drum of aerosol can waste, an AST of liquid oxygen, and parts washers. Photos from the 2019 inspection also showed a 750-gallon AST of sodium hypochlorite and a 1,500-gallon AST of 3D Trazar. The facility was listed as a LQG. Wastes were transported off site for disposal.
- Facility Information Form dated February 1, 2022. This form indicated that the facility CUPA permits, including two UST permits, were still active.
- Facility Information Form dated December 21, 2022 indicated that the split UST was removed December 12, 2022. This form indicated the facility was closed.
- Facility Information Form dated June 30, 2022. Comments indicated that pursuant to an inspection performed on June 30, 2022, the facility is no longer in operation and all hazardous materials/wastes have been removed. Notes indicated that there had been a change of ownership. Owner was listed as BTC III Arrow Route CC LP.
- Facility Information Form dated July 17, 2023. CUPA permits, including seven UST permits, were listed as inactive. Comments indicated that pursuant to an inspection performed on June 28, 2023, a 10,000-gallon UST was found and removed.

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- Closure form issued to BTC III Arrow Route CC LP dated June 30, 2022. Notes indicate that TAMCO was no longer in operation. All hazardous wastes were reported to have been removed. A demolition crew was indicated to be on site and demolishing the structures. The UST was reported to be emptied and in the process of being removed.

UST Records

- UST Facility Information Sheet listed two UST permits: one for 10,000-gallon diesel UST and one 2,000-gallon regular unleaded UST installed March 17, 1987. Four inactive UST permits were listed. The facility owner was listed as Gerdau Long Steel North America.
- A permit for six USTs was listed for TAMCO in 1989 and 1992. A permit application lists TAMCO as having four USTs in 1985.
- Removal of four 50,000-gallon Underground Storage Tanks at TAMCO, stamped by the Department of Environmental Health Services on January 14, 1994. This report indicates that TAMCO installed four 50,000-gallon fuel oil USTs in 1975. The fuel oil was to fuel the Brickmont Re-Heat furnace. TAMCO replaced the Brickmont furnace in 1990 with an ITAM furnace that does not require fuel oil. The fuel oil from the USTs was donated to Orange Empire Railway Museum. After being emptied, the USTs were removed on November 4, 1993, and sent Erickson, Inc. in Fontana, where they were decontaminated and sectioned. The sectioned scrap was sent back to TAMCO to be recycled. Four soil samples were collected from beneath the northeast and southeast USTs and three composite soil samples were collected from the stockpiles of excavated material. Petroleum hydrocarbon concentrations in the diesel range were reported in the soil samples collected from beneath the west side of the southeast UST and west side of the northeast UST at concentrations of 1,533 ppm and 12,360 ppm, respectively. Petroleum hydrocarbons were present in the stockpile composite sample from the south end of the excavation at a concentration of 77 ppm. No significant metal concentrations were reported. Soil was excavated and disposed of offsite. Prior to removing the northwest and southwest USTs, the eastern tank cavity was backfilled with soil. This was to allow access to the western USTs. Four soil samples were collected from beneath the western USTs and four stockpile samples were collected from the excavation material. Petroleum hydrocarbons were not detected in the western UST samples. The western UST excavation was backfilled with the excavated soil. The two areas at the western edge of the eastern USTs where petroleum hydrocarbons had been detected were resampled after being excavated. The northeast samples indicated that diesel was not detected. The second sampling of the southeast UST area indicated the presence of diesel at 3,500 ppm and 2,200 ppm. The

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areas with hydrocarbon contamination were indicated to have been excavated and retested with the results indicating that hydrocarbons were not detected.

- ENCON Environmental & Engineering Services, dated November 4, 1998, UST Double Wall Split Tank-Compliance Upgrade, TAMCO Steel, Rancho Cucamonga, California.
- ENCON Environmental & Engineering Services, dated January 25, 1999, *Final Report 12,000-Gallon Split Compartment Tank Compliance Upgrade, TAMCO Steel, 12459 Arrow Highway, Rancho Cucamonga, California*. This document documents the fuel facility upgrade activities. Six soil samples were collected from beneath the dispensers and from the north and south ends of the tank excavation. Gasoline range TPH, benzene, toluene, ethylbenzene and xylenes (BTEX), and MtBE were not detected. TPH-d was reported in one dispenser sample at a concentration of 353 mg/kg. TPH-d was not detected in a deeper sample at the same location. Total recoverable petroleum hydrocarbons (TRPH) was detected at 127 mg/kg in one of the tank excavation samples. No further action was performed as the concentrations were below screening levels. Upgrades included dispenser spill containment units, overfill spill containment for bottom tank protection, double wall product piping, sensor sump, flex pipe fittings and manways, and leak detection monitoring system.
- Periodic Secondary Containment Testing Form dated October 22, 2002 for two tanks. The sketch attached to the form shows a fueling island with gasoline and diesel tanks located east of the guard shack and south of the wire facility, and north of railroad tracks.
- A UST inspection report dated November 21, 2002 lists a split UST with 10,000-gallon diesel and 2,000-gallon gasoline compartments. Violations included updating leak detection sensor, having the leak detection and monitoring response plan available, and having the dispenser shut down when sensor alarm goes off. Monitoring reports were available from 2000 and 2001 for the split UST.
- A permit application to remove four 12,000-gallon diesel USTs was dated December 9, 2006. Attached UST permits were available from 2000, 2001, 2002. Also attached was a sensor test report.
- Sharp Environmental Technologies, Inc., *Underground Storage Tank Closure report, TAMCO, 12459-B Arrow Highway, Rancho Cucamonga, California 91739*, dated September 27, 2006. This report documents the removal of four 12,000-gallon diesel/fuel oil USTs from the TAMCO Steel facility on May 5, 2006. The excavation was backfilled with soil. TAMCO recycled the USTs at their facility. Eight soil samples were collected from beneath the USTs. TPH-carbon-chain distinction (TPH-cc) and VOCs were not

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detected above laboratory practical quantitation limits. Field notes from the UST removal showed the USTs near the southern boundary of the Subject Property near the cement culvert. Notes indicated that TAMCO found the USTs just north of the railroad tracks and south-southeast of a building and cooling tower. The USTs had been full of slurry.

- Construction and/or Removal of Underground Storage Facility, dated November 30, 2010 to remove one 300-gallon diesel UST.
- UST form for UST permanent closure on site dated July 1, 2010. This form was to remove a 300-gallon diesel UST.
- A San Bernardino County Fire Department Letter, dated March 7, 2011, entitled "removal of (2) Underground Storage Tank at 12459 Arrow Route, Rancho Cucamonga, CA 91739" documented the removal of a 300-gallon diesel UST. A workplan prepared by Environmental Logistics, Inc, entitled "Site Specific Work Plan for Removal and Disposal of One 300-Gallon Underground Storage Tanks, San Bernardino County Fire, City of Rancho Cucamonga, CA," dated October 6, 2010, was included.
- Sharp Environmental Technologies, Inc., *Underground Storage Tank Closure Report, TAMCO, 12459 Arrow Route B, Rancho Cucamonga, California 91739*, dated January 7, 2011. This report documents the removal of one 300-gallon diesel UST from the TAMCO facility on November 30, 2010. One soil sample was collected from beneath the UST from approximately 6.5 feet bgs. The excavation was backfilled with concrete slurry. The UST was transported to American Metal Recycling in Fontana for recycling. The soil sample analytical result indicated that TPH-d was present at a concentration of 1,720 mg/kg; ethylbenzene was present at a concentration of 57 µg/kg; and total xylenes were present at 423 µg/kg. Based on the attached figures, this UST was formerly located north of Cooling Tower #4 and south of a generator.
- Multiple inspections, upgrades, leak detection test reports were available for the split UST and fuel dispensers which was installed in 1987 until its removal in 2022.
- Underground Storage Tank Cleanup Site dated December 18, 1998.
- Construction and/or Removal of UST Job Card for CMC dated June 17, 2020. This was for secondary containment repair.
- UST Plan Check Permit for UST closure and removal of a 10,000- gallon and 2,000-gallon UST and associated piping/equipment dated February 18, 2022.

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- The UST removal inspections and manifests were included and indicated CMC as the owner. The manifest identified the split UST as having a 2,000-gallon gasoline compartment and an 8,000-gallon diesel compartment.
- San Bernardino County Fire District Letter dated July 18, 2023, titled “Closure of Underground Storage Tank(s) (USTs) located at 12459 Arrow Route B, Rancho Cucamonga, CA 91739 (FA0006582, SR0202355, CERS ID 10152245)”. This letter documented that the removal of one 10,000-gallon diesel UST and one 2,000-gallon regular unleaded UST was witnessed on December 13, 2022, and no other USTs remain at the site. The closure report had been received and approved by the CUPA.
- Roux Associates, Inc. Underground Storage Tank Closure Report, 12451 Arrow Route, Rancho Cucamonga, California, dated June 23, 2023. This report documents the removal of a split UST consisting of a 10,000-gallon diesel compartment and a 2,000-gallon gasoline compartment. The UST was shown as located in the northwest portion of parcel 0229-131-19. The UST and associated equipment were removed between December 5, 2022 and December 12, 2022. The UST was cleaned prior to removal and then transported to SA Recycling for disposal. Soil samples were collected from beneath each end of the UST, and composite soil samples were collected from the stockpiles generated during removal. Samples were analyzed for TPH-g, TPH-d, BTEX, fuel oxygenates, and naphthalene. With the exception tBA, the analyzed constituents were not detected above laboratory reporting limits in the samples collected from beneath the UST. The detected tBA concentrations, 0.013 mg/kg and 0.012 mg/kg, did not exceed commercial/industrial screening levels. Concentrations of TPH-d (39 mg/kg), tBA (0.0083 mg/kg), toluene (0.010 mg/kg), ethylbenzene (0.0084 mg/kg), total xylenes (0.069 mg/kg), and naphthalene (0.022 mg/kg) were detected in one stockpile sample. No constituents were detected in the second stockpile sample. The detected concentrations did not exceed commercial/industrial screening levels. Case closure was requested.
- San Bernardino County Fire District Letter dated August 29, 2023, entitled “Closure of Underground Storage Tank(s) (USTs) located at 12459 Arrow Route B, Rancho Cucamonga, CA 91739 (FA0006582, SR0202355, CERS ID 10152245)”. This letter documented that the removal of one 10,000-gallon UST was witnessed on June 28, 2023, and no other USTs remain at the site. The closure report had been received and approved by the CUPA.
- Roux, 2023, *Underground Storage Tank Removal Report, 12451 Arrow Route, Rancho Cucamonga, California*, August 25. This report describes the removal of a 10,000-gallon

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UST which was discovered on April 5, 2023 during demolition of the former Melt Shop. The contents of the UST at the time of discovery consisted of approximately 15-inches of oily water. This fluid was sampled and identified as diesel fuel. Approximately 1,400-gallons of liquid was removed from the UST. The UST was removed on June 28, 2023 after being rinsed and inerted. Confirmation sampling consisted of the collection of one composited soil sample from the stockpile generated during removal and two soil samples from beneath the former UST. Diesel concentrations were detected in one UST confirmation soil sample at 170 mg/kg and in the stockpile sample at 5,100 mg/kg. With the exception of one detection of tBA at a concentration of 0.014 mg/kg in the UST confirmation sample, gasoline and VOCs were not detected. The stockpile was planned to be removed for off-site disposal.

SCE Ameron

- Annual Permits dated March 1, 2014 and March 1, 2015 for APSA Conditionally Exempt, Hazardous Materials 1-3 Chemicals Special.
- Annual Permits dated March 1, 2011, March 1, 2012, March 1, 2013 for APSA Exempt Tanks, hazmat handler 0-10 employees.
- Annual permits dated February 28, 2002, February 28, 2003, March 1, 2003, February 29, 2004, March 1, 2005, March 1, 2007, February 29, 2008, March 1, 2010 for hazmat handler 0-10 employees.
- Annual permit dated March 1, 2009 for hazmat handler 0-10 employees and AST (SPCC).
- Facility Information for Closure dated August 31, 2022. The owner was listed as SCE. Inactive permits for APSA Exempt and hazardous materials 1-3 chemicals were dated as expired February 28, 2018. Notes indicated that the site has been decommissioned and hazardous waste has been removed.
- Facility information documents dated October 27, 2008 through April 5, 2016.
- Facility Information form dated November 9, 2009. A note on this form indicates that the facility equipment is APSA exempt. It also notes that the capacity of each piece of equipment is less than 10,000 gallons of dielectric fluid and the “aggregate petroleum capacity in exempt equipment is 13,483” gallons.
- Note on invoice from December 15, 2000 indicates that a new estimate for the permit was required as a new facility was added (3rd at the 12459 Arrow Route address).

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- Business Emergency/Contingency Plans and inventory summaries were available from 2000 through 2012. The substation was listed as having ASTs. The hazardous material inventory included mineral-insulating oil through 2009 and included batteries after 2010. The maximum container of mineral oil was listed as 2,733 or 3,450 gallons in the inventory depending on the year. The 2012 plan indicated the sensation is an unmanned facility with a remote switching center monitoring system. Hazardous materials are stored within sealed operating equipment. The facility was indicated to not generally generate hazardous waste.
- CUPA Compliance Inspection Report dated February 9, 2022. The facility was indicated to be an electrical substation with mineral oil stored onsite. No violations were observed.
- CUPA Compliance Inspection Report dated April 22, 2019. No violations were observed.
- Hazardous Waste Generator and Hazardous Materials Handler Inspection Report, dated March 17, 2016. No violations were observed.
- Hazardous Waste Generator and Hazardous Materials Handler Inspection Report, dated November 3, 2009. This inspection report indicated that the substation was located on the Tamco forge building. The substation had oil-filled equipment with Units 1 through 3 containing approximately 2,974-gallons each, Unit 4 containing approximately 3,450 gallons, and circuit breakers containing 363-gallons each. Lead acid batteries were also reported to be present at the substation. Comments indicated that the maps in the business plan did not have enough detail.

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Phoenix Services LLC

- A Cupa Compliance Inspection report dated September 7, 2018 indicated that Phoenix was a slag-recovery facility that received slag from Gerdau. Heavy metals are removed from the slag by using a hopper conveyor belt and a magnet. The removed metal was indicated to be sold back to Gerdau and the slag was then sold to Phoenix's customers. Used oil and used oil filters were generated from maintenance of the equipment gear boxes and the facility's trucks. Violations included failure to submit a tank facility statement, failure to prepare a SPCC plan, failure to establish a business plan and failure to submit a business plan, failure to obtain a CUPA hazardous Waste generator permit, and failure to provide facility information to CUPA.
- Facility Information dated September 20, 2018. This document indicated the facility was active and the inspection notes indicate that the permit status needed to be updated as 4-

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10 chemicals above threshold amounts were stored at the facility, and the facility generates hazardous waste.

- San Bernardino County Fire District letter dated November 20, 2018, subject “Inspection Compliance Requirements”. This letter was regarding outstanding violations. The violations listed were administrative including failure to provide facility information, list hazardous waste generated, submit tank statement, prepare a contingency plan, and submit and implement a business plan.
- Certificate of Compliance dated June 17, 2021. This document required that the permit fees be paid, hazardous waste containers properly labeled, CUPA documentation submitted, and SPCC plan amended. Attached were email correspondence and a CUPA Compliance Inspection Form dated June 17, 2021. This form indicated that Phoenix manufactures slag which is then sold to use as a cement additive. Hazardous materials stored by this facility include diesel to fuel the trucks and oils for the trucks. Oxygen and acetylene were also stored for use in cutting metal. Truck maintenance was reported to be performed by a third party and used oil was reported to be disposed of off site. Wastes include used oil and used-metal filters. The hazardous material inventory included 240-gallon tanks of hydraulic oil, transmission oil, and engine oil; a 275-gallon tote of hydraulic oil, 1,000-gallon tank of diesel, a 180-gallon tank of used oil, and 55-gallon drums of hydraulic oil, antifreeze, solid grease, diesel, and used-metal filters. Photos were attached pursuant to the compliance requirements.
- Facility Information – Closure, dated January 19, 2022. Form indicated that the facility was closed and no hazardous materials or waste remain at the facility. All permits were indicated to be inactive.

Tervita LLC (Tervita Environmental Services)

- On an inspection report dated May 24, 2012, a consultation appointment was held to discuss the regulatory requirements and documentation filing for Tervita to assume responsibility for the slag management operations at the Gerdau/TAMCO mill facility. The current slag management company, Tube City IMS, is planning to cease operation by the end of June 2012. The slag operations began when hot slag was brought from the Gerdau/TAMCO mill to the Tervita site and consisted of a metallic and non-metallic portion. The non-metallic portion is processed for use as roadbed, dust control, and lead line fill. The metallic portion is brough back to Gerdau/Tamco for further mill processing.

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- A Site-Specific Safety Plan (SSSP) was compiled for the Tervita project to remove the processed slag from the Gerdau melt shop, tear out various equipment, and various other management activities.
- The SBCFD determined that several violations were outstanding from the inspection conducted on August 31, 2015 which were associated with storage and handling of hazardous materials.
- An inspection was conducted on September 7, 2018 and it was determined that Tervita LLC was no longer in operation at the site, and a new tenant, Phoenix Services LLC was now operating the site. Tervita reportedly vacated on September 1, 2017, and Phoenix Services LLC assumed responsibility of the management of hazardous materials and wastes generated by Tervita LLC.
- The remaining files are associated with permit renewals, facility information documentation, and records requests.

Tube City IMS

- Contained a Business Owner/Operator Identification Form, Emergency Response Plans and Procedures Form, a Hazardous Waste Inventory Summary Form, chemical descriptions, and Material Safety Data Sheets (MSDS) since 2006. Olympic Mill Services was historically listed on a Business Plan sent to the County Fire Department on June 24, 1999. A request for research and review of records was submitted for the TAMCO facility on November 22, 1996. A Business Plan submission to the San Bernardino County Department of Environmental Health Emergency Management Program was dated November 22, 1994 for the United Slag Processing Co facility.
- A Certificate of Compliance was issued to United Slag Processing Co on August 21, 1994.
- A Hazardous Materials Fire Services Data input sheet to the United Slag Processing Company was dated August 31, 1994.
- A Hazardous Waste Generator and Hazardous Material Handler Inspection Report at the United Slag Processing Co was dated August 31, 1994.
- A delinquent permit fee invoice was forwarded to United Slag Processing Co on December 12, 1995 and corrected on January 22, 1996.
- A Hazardous Waste Generator and Hazardous Material Hander Inspection correspondence dated May 14, 1999 depicts that Olympic Mill Services, the former site for United Slag, was situated on the TAMCO property to the northwest of the furnace.

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Olympic Mill processed the slag from the rebar manufacturer at TAMCO. Slag was a byproduct of TAMCO's milling process, was non-hazardous. The slag was brought from the furnace area to TAMCO to the processing area at OMS. The material was sorted and any metallic portions were sold back to TAMCO for reprocessing, the non-metallic portions were sized and sold as road base and railroad base material. Materials and wastes stored onsite was primarily used for maintenance of the heavy equipment. A request for business name change for the former Olympic Mill Services, Tube City LLC at the TAMCO Steel site to IMS Division, Tube City IMS was dated August 15, 2006. Various business plan deficiencies were recorded since 2006 at the Tube City IMS facility; however, they were mostly administrative in nature. Tube City LLC and International Mill Services Inc merged effectively on January 1, 2008 and renamed Tube City IMS, LLC. A letter notifying the cease of operations on June 30, 2012 for the Tube City IMS facility and its associated permits was sent to the SBCFD. The remaining hazardous materials and containment areas were to be cleaned and removed on July 2 and 3, 2012. Tervita were depicted to be the new operators on a database authorization form dated July 3, 2012. The remaining files were Hazardous Waste Generator and Hazardous Materials Handler Inspection Reports, and annual permits.

Unknown Radiological Source

- At the TAMCO facility, a folder contained a subpoena to produce documents, information, or objects or to permit inspection of premises in a civil action case No. 5:21-cv-01238-SSS-SP dated March 3, 2020 to Sims Group USA Corporation, et al.
- A facility release report dated March 27, 2007 depicts a load of heavy melt was brought in to TAMCO by Main Street Fibers and had set off a radiation alarm. The source was not able to be located in the load and was 2-3 times background. The load was returned to origin under Department of Transportation (DOT) exempt shipment. The Department of Energy (DOE) investigated on March 28, 2007 and also could not determine the source.

Adjoining Properties:

Ameron Steel and Wire Division

- Permits for USTs (one UST was indicated) were dated February 28, 1986, January 24, 1987, February 28, 1990, February 28, 1992.

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- RWQCB Letter dated October 29, 2002, entitled “Underground Storage Tank Cleanup Fund (Fund), Notice of Intended Removal from Priority List, Claim Number 000630, Site Address: 12459 Arrow Route, Etiwanda.” This letter denies reimbursement.
- A figure provided in a records request from 2000 showed Ameron Pipe located along Arrow Route, east of the Subject Property; Fontana Steel was shown in the northern portion of the Subject Property; Industrial Wire Products was shown south of Ameron Pipe; Tamco Steel was shown west, south, and east of Industrial Wire Products (Tamco Steel covered the remainder of the Subject Property).
- Ameron Concrete and Steel Pipe Group Southern California Division, letter dated April 25, 1994. This letter transmitted a Certificate of Financial Responsibility for USTs located at 12455 Arrow Route, Etiwanda.
- PSM International, Inc., letter dated February 14, 1991, titled “Biodegrade Project Closure and Analytical Results for Ameron Steel and Wire Division Located at 12459 Arrow Highway, Etiwanda, California; Your Letter, 27 September 1990, Disposal of Biodegraded Soil from 12459 Etiwanda to Class III Landfill, Solid Waste Management Department Letter, 4 December 1990”. This letter indicated that approximately 601-tons treated soil was transported to Colton Landfill in January and February 1991. Attached to this letter was the Solid Waste Management letter and a letter from A Geological Systems Evaluation Company, dated September 11, 1990, titled “Biodegrade Project Closure Analytical Results”. This letter indicated that contaminated soil had been spread on the Ameron facility to biodegrade and was subsequently sampled on August 17, 1990. The biodegrade concentration of 1,000 mg/kg or less TPH was achieved, and the soil was transported off site to the approved disposal facility. Figures showing the sampling cells and results were attached. It is unclear where on the property this biodegradation treatment occurred. Samples had been analyzed for TPH-d, nitrogen as NO3, and total bacteria. A Clean-Up Technology, Inc letter dated August 21, 1990, and titled “Permit by Rule Site Specific Notification, Soil Remediation, Etiwanda, CA, CUT Project No. 90-018” provided notification of the treatment operations. Attached was the PSM International, Inc report dated September 24, 1990 conveying the closure sampling results. This report indicated that soil excavated at the former Ameron Steel and Wire facility was biodegraded to contain TPH concentrations less than 1,000 mg/kg, with the maximum TPH concentration in the last sampling event reported to be 334 mg/kg. A letter from PSM International, Inc, dated September 25, 1990 requested permission to transport approximately 315 yards of soil to a landfill. The soil was reported to have been excavated in November 1989 from beneath a 10,000-gallon diesel UST at the former Ameron Steel

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and Wire Division facility. The soil was treated using biodegradation to contain less than 1,000 mg/kg. To biodegrade the soil, it was spread on a paved and bermed area. A letter from San Bernardino County Environmental Health Services, dated September 27, 1990, with subject “Biodegrade Project Closure and Analytical Results for Ameron Steel and Wire Division, located at 12459 Arrow Highway, Etiwanda, California” documented that no further investigation was required and that the treated soil would be disposed of off site.

- A hazardous waste generator inspection report for Industrial Wire Products, dated April 9, 1990 noted violations including: hazardous waste must not be stored over 90 days, all drums must be labeled and managed to prevent leaks, oil was observed on ground beneath machine D-4 and sampling must be performed, and soil removed from D-6 must be removed as hazardous waste. The inspection notes indicated that sodium soaps and lube were disposed of off site. Drums that had been left on site by Ameron had been disposed of, and waste discharge to the sewer system was regulated by Chino Water district and effluent was sampled monthly. The inspection notes indicated that machine D-4 discharged to a “can in ground” and was attached to a sump. Notes indicated that a tank was pulled in October and the release form reviewed. Soil from new tank excavation was indicated to have high copper concentrations. A note on the record indicated that the Industrial Wire Products facility is located where Ameron Pipe used to be and that it is not part of the Tamco facility, though it has the same address.
- A complaint from March 2, 1990, was investigated with an inspection performed April 3, 1990. The complaint indicated that the facility has plating solutions and chemicals in soil, which went into the drain when it rained. The inspector noted that the area in question had the “faucets of the drums outside of berm area”. The drums contained oils and hydraulic fluid.
- Handwritten notes dated January 18, 1990 regarding Ameron Steel and Wire Workplan for Soil Remediation dated December 15, 1989. Approximately 315-cubic yards of diesel-impacted soil was spread 1.5-feet thick over an asphalt-paved and bermed area and then covered in plastic. Soil was proposed to be disked monthly until TPH is less than 1,000 mg/kg.
- SBC Environmental Health Services letter dated January 18, 1990, with subject “Soil Remediation and Biodegradation for Ameron Steel and Wire, 12459 Arrow Highway, California.” This letter approved the biodegradation treatment for the diesel-impacted soil.
- PSM International, Inc, December 29, 1988. This letter transmitted the technical plan for biodegradation treatment of the diesel-impacted soil. The technical plan, entitled “Soil

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Remediation Biodegradation, 315 y3 Ameron, 12459 Arrow Highway, Etiwanda, CA" dated December 15, 1989 described the proposed treatment of spreading out the diesel-contaminated soil on asphalt and bermed area so that the soil was 1.5-feet deep. Plastic would be placed over the soil to maintain its moisture. Soil samples would be collected from 20-foot by 20-foot cells. Best-Pro Balance 15-15-15 containing NO3, PO4, and O2 was proposed to be used to initiate biodegradation. Soil will be scarified/disked monthly.

- SBC Environmental Health Services letter dated November 22, 1989, with subject "Underground Tank Closure for Ameron Steel and Wire Division located at 12459 Arrow Highway, Etiwanda, California." This letter indicated that no further investigation is required for the contamination remaining in the excavation.
- Construction and/or Abandonment of Underground Storage Facility permit for removal of one 10,000-gallon diesel UST. Application was dated November 9, 1989. A figure attached to the application forms showed the former UST located north of the building and east of the fire hydrant and pump. The inspection notes indicated that no samples were collected after removal of the 10,000-gallon diesel UST as soil samples had already been collected from borings. Excavation was performed after removal. Gray soil was noted halfway down the north side of the tank excavation. Additional excavation was performed on the southwest side of the UST excavation. With the exception of the north sidewall sample (PSM Sample 6 where TPH was reported at 4,290 mg/kg), TPH concentrations were less than 1,000-mg/kg. Samples 9 and 10 and C-1 through C-5 were collected from stockpiles and had TPH concentrations ranging up to 5,400 mg/kg.
- Letter dated November 6, 1989, Subject "Soil Quality Assessment Borings, Ameron Steel and Wire, 12459 Arrow Highway, Etiwanda, CA 91739". This report summarized the results of soils samples collected from nine soil bores advanced around the 10,000-gallon diesel UST on October 30 and 31, 1989. Soil bores were advanced up to 40 feet bgs. Hydrocarbon concentrations were present in soil samples collected up to 35 feet bgs with the maximum detected concentrations in the 15-foot soil sample from the bore advanced south of the center of the UST. The maximum detected diesel concentration was 24,800 mg/kg. This sample was also analyzed for VOCs: benzene was not detected, toluene was reported at a concentration of 3.9 mg/kg, ethylbenzene was reported at a concentration of 7.7 mg/kg, and total xylenes were reported at a concentration of 30 mg/kg.
- Letter dated October 20, 1989, regarding "Soil Quality Assessment Borings, Ameron Steel and Wire, 12459 Arrow Highway, Etiwanda, CA 91739". This letter indicated that Geo-Sec, Inc would advance four soil borings around the UST to 40 feet bgs. Previous soil

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bores, BH4 and BH5 (indicated to be slanted bores) and BH6 (vertical bore) were shown on map attached to the letter.

- PSM International, Inc, letter dated October 20, 1989. This report indicated that PSM collected soil samples from beneath the diesel UST on September 14, 1989 on behalf of Ameron, Inc. Three bores had been advanced around the UST: to the east, west, and south. Two slanted bores and one vertical bore had been advanced. TPH concentrations were present in two soil samples (approximately 11.2 to 12.6 feet and 14.6 to 16 feet) and an Unauthorized Release report was submitted for the UST. Groundwater was reported to be approximately 300 feet in the vicinity of the property. This report proposed to advance four new 40-foot soil bores. The site history summary attached to the letter indicated that the UST had been installed in 1976 and the system had been testing tight. The figure attached to the letter showed the UST northwest of the building.
- SBC Environmental Health Services letter dated May 5, 1987, regarding subject "Underground Storage Tank Monitoring Proposal for 12459 Arrow Hwy, Etiwanda, California." This letter required a written leak detection plan.
- Med-Tox Associates, Inc, responded with a letter dated May 30, 1986 indicating a precision tank test would be performed. Attached to this letter was documentation for the 10,000-gallon carbon-steel diesel UST installed in 1976 at the Ameron Steel and Wire Division facility, owned by Ameron, Inc.
- Ameron Pipe application for removal of UST, dated August 28, 1987, was available for a 12,000-gallon diesel, a 10,000-gallon diesel, a 550-gallon waste oil, and a 1,000-gallon waste oil UST. The locations of these USTs were not clear from the map attached to the application.
- A complaint and investigation report dated February 17, 1989 for Ameron Steel & Wire Division indicated 5-gallons of sulfuric acid diluted with water was released after a 2-inch line broke and went into the bermed drainage. The bermed drainage area was indicated to drain to a water treatment system.

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Tree Island Wire

- A hazardous Materials Spill Report dated November 6, 2009 indicated 5 gallons of hydraulic oil was spilled. The entity was reported to be Tree Island Wire and the responsible party was indicated to be Tamco. The Source-Facility Release Report indicated that TI Wire and Tamco share a yard and Tamco hit TI Wire's heavy equipment while moving 65 feet of rebar. This resulted in a release of hydraulic fluid from the heavy equipment. The release was to soil and was cleaned up with absorbent. The impacted soil and absorbent were indicated to have been removed and put in a waste container.
- Source – Envision Complaint for TI Wire dated August 21, 2008. A release of sulfuric acid occurred at TI Wire due to truck driver error during transfer and approximately 55 gallons was released onto cement. The release was cleaned up using absorbent and sodium bicarbonate slurry.
- Hazardous Materials Response Report, dated June 18, 1996, for a release of cooling tower water, oil, and solvent mix. A complaint was called in on June 13, 1996. The caller indicated that TAMCO was using a cooling tower water, oil, and solvent mix for dust control. A recent inspection of the TAMCO facility had been performed and the inspector consulted regarding the call. The inspector did not think that Tamco was mixing the waste oils and solvents with the cooling tower water. Cooling tower water is an acceptable dust suppressant.

Copies of the database search results and available records are presented in Appendix C.

4.3.7 City of Rancho Cucamonga Building and Safety

Kleinfelder submitted a written request to the City of Rancho Cucamonga's Building and Safety's Department for available building records for the Subject Property addresses. A summary of pertinent information from the online database is provided below. Copies of pertinent information are included in Appendix C.

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12353 Arrow Route

Tamco Steel

- A permit dated March 2009 was issued for an addition of Enhanced Vapor Recovery to existing underground storage tanks “Tamco Steel.” The permit was finalized in April of 2009.

12451 Arrow Highway/Route

CMC Steel Fabricators, Inc / Fontana Steel

- An electrical/mechanical permit was issued to Fontana Steel on January 14, 1989.
- An electrical/mechanical/plumbing permit was issued to Fontana Steel on May 25, 1989 for eight boiler/compressor and ten air handlers.
- A permit was issued to CMC Steel Fabricators Inc on May 18, 2006 for an 8,800-square-foot steel canopy.
- In permit was issued to CMC Steel Fabricators Inc on November 26, 2007 for a 2,760-square-foot tenant improvement.
- A building permit was issued to CMC Steel Fabricators Inc on December 10, 2007 for the installation of overhead sprinklers.
- A permit record describes a project for a 200-feet underground conduit for a 1,150-gallon Liquid Petroleum Gas (LPG) tank. The owner and permit date are unknown.
- A permit record describes a project for a removal of an existing 15,000-gallon LPG tank at CMC-Fabricators – Fontana Steel and replacing it with a freestanding 1,150-gallon LPG tank with foundation. The date of issuance is unknown.
- A permit record describes a project for a foundation and electrical for a 1,150-gallon LPG tank. The owner and date of issue are unknown.

Tamco Steel

- A permit was issued to Tamco Steel on January 23, 2008 for electricity for a construction trailer.

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12455 Arrow Route

Ameron Pipe Division/Ameron Pipe Plant/Ameron Concrete and Steel Pipe/Ameron Pipe Products/Ameron International Corporation

- A permit was issued to Ameron Pipe Division on May 19, 1980 for a motor truck scale pit.
- A permit was issued to Ameron Pipe Plant on April 9, 1980 a for a 60-amperage (amp) subpanel.
- A permit was issued to Ameron Pipe on April 28, 1981 for five water closets and three lavatories.
- A building permit was issued to Ameron Pipe Division on July 9, 1981 for a 75-feet by 300-feet fabrication building and a 25-feet by 75-feet two-story service and office building.
- A permit was issued to Ameron Pipe on September 1, 1981 for water and gas plumbing.
- A permit was issued to Ameron Pipe on March 15, 1995 for fire sprinklers and underground.
- A permit was issued to Ameron Concrete and Steel Pipe Systems on April 3, 1995 for a "pipe coating plant with exposed steel structural frame and steel walls (grading only)".
- A building permit was issued to Ameron, Inc on April 19, 1995 for a prefabricated steel building on a concrete foundation (a special coating plant).
- A permit was issued to Ameron Concrete Steel and Pipe Systems on April 24, 1995 for electrical work including four transformers.
- A permit was issued to Ameron Pipe Products on June 7, 1995 for gas and water line plumbing.
- A permit was issued to Ameron Pipe Products on December 5, 1998 for a bridge crane.
- A permit was issued to Ameron Concrete and Steel Pipe Systems on February 26, 1998 for an underground conduit and a 1,500-kilo-volt amps (KVA) transformer.
- A permit was issued to Ameron Pipe Products on March 3, 1998 for two transformers.
- A permit was issued to Ameron Pipe Products on March 12, 1998 for five transformers. With this permit, four pages of correction notices were attached dated from April 1998 to January 1999. The correction notices pertain to failure to have permits and use of proper electrical components. The correction notice also states an enclosure for hydraulic expander controller required to be rated 3R and 4R.

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- A permit was issued to Ameron Pipe Products on January 26, 1999 for two electrical outlets.
- A building permit was issued to Ameron on January 7, 1999 for weather protection for equipment (18.5 X 26.2 feet).
- A building permit was issued to Ameron on January 7, 1999 for weather protection for equipment (30 x 37 feet).
- A permit issued to Ameron, International on January 5, 1999 for a foundation for a 32-ton standalone bridge crane structure.
- A permit was issued to Ameron Pipe Products on January 26, 1999 for an AST.
- A permit was issued to Ameron Pipe Route in March 1999 for six motors and two 15-KVA transformers for radio scope equipment.
- A permit was issued to Ameron International on May 27, 1999 for 23,700-cubic yards of rough grading.
- A permit was issued to Ameron International Corporation on May 13, 2004 for a brine pond final closure, retaining wall, and concrete cap over temporary old brine pond. The permit was finalized in July 2006.
- A permit was issued to Ameron International Corporation on May 5, 2011 for an on-site storm water runoff treatment system and grading for Ameron International.

Tree Island Wire (USA) (adjoining property to east)

- A permit was issued to Tree Island Wire (USA) Inc on March 7, 2013 for “an above ground 499-gallon LPG tank with dispensing pump using an existing foundation”.
- A permit was issued to Tree Island Wire (USA) Inc on March 7, 2013 for liquid nitrogen tank changeout.

Goodman Rancho Spe LLC (adjoining property to east)

- A permit was issued in January 2015, for four illuminated wall signs and six monument signs. The permit was finalized in July 2015.
- A permit was issued September 24, 2014 for art installation.

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12459 Arrow Route /12459 Arrow Route B

Ameron / Ameron Steel & Wire

- A permit to construct wire storage building was issued to Ameron Steel and Wire and the first inspection was dated November 29, 1978.
- A permit for construction of a 28 x 74 feet bundling building was issued to Ameron Steel and Wire and the first inspection was dated February 20, 1979.
- A permit to add a boiler room structure, add a bay to the straighten and cut department, and install a 100-horsepower boiler was issued to Ameron Steel and Wire, and the building was finalized April 16, 1979.
- A permit was issued January 14, 1980 to Ameron Steel for electrical for new wire mill storage building.
- A re-roof permit was issued to Ameron Steel and Wire on April 21, 1980.
- A permit was issued on May 15, 1980 to Ameron Steel and Wire for a foreman's office.
- A permit was issued to Ameron on July 7, 1980 for electrical work.
- A permit was issued on October 2, 1980 to Ameron Steel and Wire for a roll mill maintenance west end enclosure.
- A permit was issued on October 2, 1980 to Ameron Steel and Wire for a wind break lean-to.
- A permit was issued to Ameron Steel Corporation on August 15, 1980 for electrical work.
- A permit was issued to Ameron on September 10, 1981 for electrical work.
- A permit was issued to Ameron Pipe on April 29, 1981 for an under slab, underground conduit. A sketch on the permit showed a septic tank on the south side of a building.
- A permit was issued to Ameron Steel and Wire Division dated June 2, 1982 for two 8-foot by 12-foot electrical control buildings.
- A permit was issued to Ameron Steel and Wire Division on June 29, 1981 for a coil collector station personnel shelter.
- A permit was issued to Ameron Steel and Wire for a hot well on March 10, 1982.
- A permit was issued to Ameron Steel and Wire on April 16, 1982 for a cooling tower foundation.

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- A permit was issued to Ameron Steel and Wire on June 29, 1982 for a preheater equipment foundation.
- A permit was issued to Ameron Steel and Wire Division on June 2, 1982 for two 8- by 12-foot electrical control buildings.
- A permit was issued to Ameron Steel and Wire on July 20, 1982 for electrical work.
- A permit was issued to Ameron on September 10, 1981 for electrical work/underground conduit.
- A permit was issued to Ameron on July 30, 1987 for electrical/plumbing for new boiler.
- A permit was issued to Ameron on September 9, 1987 for electrical work.
- A permit was issued to Ameron Steel and Wire Division on February 26, 1988 for one storage tank foundation and one equipment pad.
- A permit was issued to Ameron on March 9, 1988 for electrical work.
- A permit was issued October 4, 1989 to Ameron Wire and Steel for a personal platform for air system on roof.
- A permit was issued to Ameron, Inc on February 13, 2014 for concrete basins for the addition of new cooling towers - Gerdau.

Tamco

- A permit was issued to TAMCO on December 9, 1977, to construct a compressor roof cover.
- A permit to construct an observation platform in casting machine area was issued to Tamco, and the building was finalized on April 5, 1979.
- A permit was issued April 19, 1979 to construct a 30-foot by 75-foot maintenance building and additional weld shop.
- Permits were issued to TAMCO on May 7, 1980 for plumbing, a cooling tower storage basin and hot well, and a motor control center room.
- A permit was issued to TAMCO on June 26, 1980 for an 8-feet-high and 2,400-feet-long fence.
- A permit was issued to TAMCO on November 24, 1980 to construct landing platforms.

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- A permit was issued to TAMCO on December 16, 1980, for “Ladle” support, structure foundation.
- A permit was issued to TAMCO on November 5, 1980 for foundation for dolomite silo.
- A permit was issued to TAMCO on September 2, 1981 for a scrap yard lunch room.
- A permit was issued to Tamco Ameron on October 7, 1981 for electrical work including seven 15 KVA transformers, eleven outlets, and five fixtures.
- A permit was issued to TAMCO on January 13, 1984 for a foundation pit for rolling mill cooling bed modernization.
- A permit was issued to Ameron TAMCO on December 17, 1984 for monument sign.
- A permit was issued to TAMCO on October 15, 1986 for addition of two bays to an existing steel building.
- A permit was issued to TAMCO on November 23, 1987 for a 5,000-square-foot building addition.
- A permit was issued to TAMCO on March 5, 1987 for a gas line going from high pressure to low pressure with vaults.
- A permit was issued to TAMCO on November 4, 1987 for a sewer connection.
- A permit was issued May 2, 1988 to TAMCO for electrical work.
- A permit was issued December 14, 1989 to TAMCO for construction of a 3,000-square-foot building addition for LP gas storage tanks.
- A permit was issued to TAMCO on February 2, 1990 for a propane system.
- A permit was issued to TAMCO on April 17, 1990 for electrical work.

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Gerdau Steel

- A permit was renewed February 27, 2014 for storage racks at Gerdau Ameristeel.
- A permit was issued to Gerdau Ameristeel on May 7, 2013, to convert a 168-square-foot office into a women’s dressing room.

Tree Island Wire (USA) Inc. (adjoining property to east)

- A permit was issued to Tree Island Wire (USA) Inc on November 3, 2014, for a private fire underground service line.

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- A permit was issued to Tree Island Wire (USA) Inc on November 3, 2014, for a private fire underground service line - Gerdau.
- A permit was issued to Tree Island Wire (USA) Inc on November 3, 2014 for on-site sewer and water.
- A permit was issued to Tree Island Wire on February 19, 2015, for pallet storage racks.
- A permit was issued to Tree Island Wire (USA), Inc. on January 25, 2016 for precise grading.
- A permit was issued to Tree Island Wire on June 6, 2019 for EDR fire service upgrades as required in the previously approved fire protection plan for CMC metals.

Copies of the provided records are included in Appendix C.

4.3.8 City of Rancho Cucamonga Fire District

Kleinfelder submitted a written request to the City of Rancho Cucamonga's Fire District for available for the Subject Property addresses. A summary of pertinent information from the online database is provided below. Copies of pertinent information are included in Appendix C.

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12451 Arrow Route

Fontana Steel

- A permit application dated June 23, 1989 was to install a 12,000-gallon diesel UST.
- Permit applications dated April 27, 1989 and June 15, 1989 were to operate a 15,000-gallon LPG tank.
- Plans for a 12,000-gallon UST and dispenser system were dated June 9, 1989.
- An underground storage tank inspection for a 12,000-gallon diesel UST at Fontana Steel was conducted on June 18, 1990. The form states that no discrepancies were noted during the inspection.
- Permits for storage, use, and handling of oxygen and acetylene, were issued May 27, 1998.
- Permits were issued to Fontana Steel on May 27, 1998 and then September 22, 1998 for the storage, use and handling of flammable and combustible liquids. The first permit was for 11,000 gallons from a fuel dispenser and the second permit was for a 12,000-gallon UST.

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- A Construction and Inspection Report dated September 15, 1998 indicated that permits for the following were issued: 12,000-gallon diesel UST, oxygen, and acetylene.
- Encon Engineering Services prepared plans entitled *Underground Storage Tank Upgrades* dated January 8, 1999 for Fontana Steel. These plans show two fuel dispensers east of the 12,000-gallon diesel UST, and a propane tank east of the dispensers. The southern fuel dispenser and piping to the fuel dispenser were proposed to be flushed, cleaned, slurried and abandoned in place. A new "Bravo Box" was proposed to be installed under the northern dispenser and a new overfill drop tube valve and tank bottom protector were proposed o the diesel fill.

TAMCO

- A permit was issued to TAMCO for the removal of four 12,000-gallon fuel oil USTs on May 4, 2006.

CMC Rebar Etiwanda

- A permit was issued to CMC Fabricators on February 24, 2009 to install a 1,150-gallon propane storage tank and remove a 15,000-gallon propane storage tank.
- A Notice to Correct/Inspection Report for CMC Americas dated February 14, 2012, states that an LPG tank had been relocated and to provide permits, plans, and documents for the relocation. The document also states to secure all compressed gas cylinders and to store outside of SEA containers and to replace signage for diesel pumps.
- A permit was issued August 5, 2013 to operate a motor vehicle fuel-dispensing station dispensing flammable and/or combustible liquids, liquified petroleum gases, compressed natural gases, or similar substances intended for use as a motor vehicle fuel in accordance with Chapter 22 of the 2010 California Fire Code. Unattended self-serve diesel 8,000-gallon UST. A second permit was issued August 5, 2013 to store, handle, and/or dispense LPG in accordance with Chapters 27 and 38 of the 2010 California Fire Code, propane 1,500-gallon tank.
- A permit was issued to CMC Rebar Etiwanda on August 7, 2014 for removal of a 12,000-gallon diesel UST.
- The CERS UST-Facility Information form from 2020 indicated that the UST at CMC Rebar Etiwanda was closed 2014 by the San Bernardino County Fire Department.

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- Based on a Hazardous Materials and Wastes Inventory Matrix report submitted on April 2020, the facility's (CMC Rebar Etiwanda) inventory is described as; oxygen, acetylene, propane, waste sludge, diesel fuel, ethylene glycol, used oil, and motor oil. In May and October 2021, the inventory consists of; oxygen, acetylene, propane, waste sludge, diesel fuel, ethylene glycol, oil filters, rags, used oil, waste aerosols liquid, and motor oil.

12455 Arrow Route (adjoining property to east)

Ameron

- A permit was issued to Ameron Pipe for two 3,000-gallon gasoline tanks, and one 10,000-gallon diesel tank (unknown date though the form was indicated to have been revised in 1977).
- A permit application dated April 3, 1980 was approved to install at the Ameron (pipe plant) one 10,000-gallon diesel UST, and two, 3,000-gallon gasoline USTs.
- An inspection report for Ameron Pipe, dated April 1980, lists two 3,000-gallon gasoline tanks, and a diesel tank.
- Based on a sketch for the Ameron Pipe Plant dated April 2, 1980, a fuel station including new 3,000-gallon USTs, and a 10,000-gallon UST which was noted as being relocated southeast of the shop building.
- A permit was issued to Ameron Concrete Steel Pipe Systems on September 30, 1998 to remove three USTs; one, 10,000-gallon diesel, two 3,000-gallon gasoline, and underground piping.
- A permit was issued to Ameron Concrete and Steel Pipe on January 26, 1999 for a 2,000-gallon AST. Another permit dated the same date, was issued for a 2,000-gallon diesel and gasoline AST. A third permit dated the same date was issued for fuel dispensing.
- A UST permit was issued to Ameron Pipe Division, Arrow Plant on April 30, 1999.
- A permit was issued to Ameron on October 16, 2012 for a fuel-dispensing station including a 1,500-gallon diesel tank and a 500-gallon gasoline tank. Other permits were issued the same date to store or use four propane cylinders and oxygen/acetylene.
- Based on a Hazardous Materials and Wastes Inventory Matrix report submitted on February 19, 2014, the facility's (Ameron International Water Transmission Group) inventory included: waste oil, diesel, gasoline, gear oil, transmission fluid, motor oil,

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grease, paints and epoxys, acetylene, concrete add mix, LPG, oxygen, waste paint and thinner, primer, resin and cure/epoxy amercoat.

12459 Arrow Route / 12459 Arrow Route Suite B

Ameron (there permits appear to be associated with adjoining property to the east)

- A permit was issued to Ameron Steel Wire Division (illegible date) for a 10,000-gallon diesel UST for a boiler. The application was dated December 14, 1977.
- A permit was issued to Ameron Pipe on September 8, 1987 to remove three waste oil USTs. Another permit was issued at the same time to remove three diesel USTs.
- A permit application dated November 13, 1989 was to remove a 10,000-gallon diesel UST from Ameron Steel and Wire Division.
- A sketch for Ameron Steel and Wire Division listed J.D. Brodine and Sons as the contractor and showed the 10,000-gallon UST northwest of the building, east of the access road, and northeast of the guard shack. Arrow Route employee parking was noted to the north. A fire hydrant was located northeast and adjoining the UST and a barrel storage and containment area was drawn east of the UST. The fuel pump was south of the southwest corner of the UST. Based on the drawing, this UST appears to be on the property adjoining the Subject Property to the east.

J.D. Brodine & Son, Inc. (this permit appears to be associated with the adjoining property to the east)

- A permit (undated) was issued for the removal of a 10,000-gallon diesel UST.

TAMCO

- A permit application dated April 30, 1979 was approved for the use and storage of two 8,000-gallon diesel fuel tanks, and one 4,000-gallon gasoline tank at the Tamco facility. The application was stamped by the Ameron Steel and Wire Division.
- A permit application dated July 14, 1980 was approved for the installation of one 280-gallon diesel fuel UST to fuel a diesel engine (generator set) at TAMCO.
- A permit was issued to Tamco on November 23, 1992, to conduct storage of LPG tanks 2-30 gallon.

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- A permit dated November 9, 1993, was issued for the removal of two 50,000-gallon tanks which formerly held fuel oil. The permit application was for the removal of four 50,000-gallon USTs. A Construction Inspection Report dated November 18, 1993, describes the removal of two 50,000-gallon USTs.
- A permit application dated April 27, 2006, calls for the removal of four 12,000-gallon fuel oil USTs at Tamco Steel. An inspection ticket associated with the work indicated that the USTs were removed between May 3 and May 31, 2006.
- A permit was issued to TAMCO Steel Inc on November 22, 2010, for the removal of a 300-gallon diesel UST.
- In February 2021, Tamco listed the following in their CERS chemical inventory: propane with compressed gases and in melt shop; bleach (sodium hypchlorite and sodium hydroxide) and sulfuric acid in the cooling towers; waste paint in the finishing end; diesel in AST and UST and gasoline in UST; lead acid batteries, waste paint, hydraulic oil, and lubricating oil in Mobile Maintenance Shop; Americlase HC, Arco 50 HS, Basic 187 GM-93, ISOTAP/TAP-332, NC-Cast Maxima PC, NC-Cast Optima PC, and Nozzle Set 90P in refractory; waste hydrocarbon contaminated soil and debris and waste paint in Rolling Mill, oxygen, propylene, waste paint in Rolling Mill Maintenance; Mobilegrease HTR and waste oil in south oil storage.
- Based on a Hazardous Materials and Wastes Inventory Matrix report submitted on October 13, 2021, BTC III Arrow Route CC LP's (TAMCO's) inventory included; propane in gas rack and ambient; diesel and gasoline fuel storage tanks; surplus dirt in the northwest yard; Envirotemp FR3 transformer oil, mineral oil (light), and silicone oil in transformers.

Phoenix Services LLC

- Based on a Hazardous Materials and Wastes Inventory Matrix report submitted on May 2020 and February 2021, Phoenix Services LLC's inventory includes three 500-gallon motor oil ASTs, one 1,000-gallon diesel AST, acetylene, oxygen, Ecosafe (polyether polypol phenothiazine), hydraulic oil, used lubricating oils, diesel, gasoline, drained used oil filters, grease, DEF (water urea), ethylene glycol, motor oil, and miscellaneous aerosols. Phoenix stored most of its chemicals west of the maintenance shop. The aerosols were reported to have been stored in a bin inside the maintenance shop.

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Southern California Edison, Transmission and Distribution

- Based on a Hazardous Materials and Wastes Inventory Matrix report submitted on February 2017, 2018, 2021, 2022, and 2023 and March 2021, Southern California Edison, Transmission and Distribution's inventory included mineral oil inside the electrical equipment.

Tervita LLC

- Based on a Hazardous Materials and Wastes Inventory Matrix report submitted on July 27, 2017, Tervita LLC's inventory included: acetylene, antifreeze, fire resistant hydraulic oil, general purpose grease, oxygen, drained used oil filters, diesel fuel, Mobil fleet 15W-40, Mobil hydraulic 10W, and waste oil. Chemicals were reported to be stored in an outdoor storage area.

Tree Island Wire USA, Inc. (adjoining property to the east)

- A permit application dated February 26, 2013, listed the following permit categories: corrosive, cryogenic fluid (nitrogen), flammable/combustible liquids, oxidizers, hot work (oxy acetylene), and propane would be used.
- An operating permit was issued on May 12, 2015 to Tree Island Wire for operation or use of the following: cryogenic fluids, hot work, industrial ovens, and LPG.
- Operating permits were issued on June 21, 2016, August 23, 2018, April 22, 2021, October 26, 2022, for use of corrosive liquids, cryogenic fluids (6,000-gallon nitrogen), flammable and combustible liquids (385 gallons), oxygen liquid, and solid, oxygen and acetylene, and LPG (499-gallon tank and 8-gallon cylinders for forklifts).
- Based on a Hazardous Materials and Wastes Inventory Matrix report submitted on April 21, 2020 and November 3, 2022, Tree Island Wire's inventory included: acetylene, argon, LPG, oxygen, nitrogen, calcium hydroxide solution and sulfuric acid (west side of main building), lime additive and Bulk Draw 416MX/Bulk Draw 417RX (phosphoric acid, zinc and nickel compounds), Bulk Phos NO. 1 (phosphoric acid), and L1011-NC Inhibitor (diethyltheiurea, polyethylenepolyamine, coco amine), Misti Emulsi Plus (mineral spirits and monocyclic terpene), rust preventative oil, sodium nitrate and waste lubricating oil (inside building in chemical storage area); calcium hydroxide, sodium hydroxide, and spent wire draw lube-calcium and sodium based (inside main building); soap, disodium borate (borax), potassium permanganate, ridoline XP (sodium hydroxide and sodium

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metasilicate), sodium tripolyphosphate, vicafil salvia 2 (nitric acid sodium salt, calcium hydroxide and sodium tetraborate pentahydrate), and vicafil TF 120 G (calcium stearate and hydrated lime), vicafil TN 135 (calcium soap), Vicafil TN 19T2, Vicafil TN 411, Vicafil TN 6264 X, Vicafil TS 350, Vicafil TS 7112, wire drawing compound (inside main building dry chemical storage area); hydraulic oil (inside main building maintenance department).

Copies of the provided records are included in Appendix C.

4.4 PHYSICAL SETTING SOURCE(S)

Table 4-2 presents information concerning the physical setting of the Subject Property. This information was obtained from published maps.

Table 4-2
Physical Setting

DATA	GENERAL INFORMATION
USGS TOPOGRAPHIC QUADRANGLE	Kleinfelder's review of the United States Geological Survey (USGS) Guasti Quadrangle 7.5-Minute Series (Topographic) Map dated 2018 indicated the elevation of the Subject Property's ground surface is approximately 1,150-feet above MSL and slopes southward.
SOIL TYPE	Based on information for the Subject Property from the EDR GeoCheck Physical Setting (EDR, 2023), the soil components at the Subject Property were listed as Tujunga gravelly loamy sand. Based on subsurface investigations performed at the Subject Property by Ramboll and Roux in 2021, sand and gravel is present in the upper 5 feet bgs, overlying interbedded sand and silts (Ramboll, 2021; Roux, 2021).
OIL AND GAS WELLS	On September 12, 2023, Kleinfelder searched CalGEM's Well Finder website (DOC CalGEM WellFinder) for information regarding oil and gas fields located in the immediate vicinity of the Subject Property. No oil or gas wells are depicted to be on the Subject Property or on the adjoining properties. A copy of the Well Finder search results is presented in Appendix C.

Table 4-3 presents information concerning regional geology and hydrogeology. The information was obtained from published maps and other sources.

Table 4-3
Regional Geology and Hydrogeology

PHYSICAL PARAMETER	INFORMATION/COMMENTS
REGIONAL PHYSIOGRAPHY AND GEOLOGY	The Subject Property is situated within the Chino Valley at the northern end of the Perris block along the northern boundary of the Peninsular Ranges geomorphic province of California (Norris and Webb, 1990). The Subject Property is underlain by late-Holocene age alluvial-fan deposits (Qyf1, Qf2) (Morton and Miller, 2006). Alluvial soils are estimated to be 1,000- to 1,100-feet thick beneath the site (Fife, 1976).

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Table 4-3 (Cont'd.)
Regional Geology and Hydrogeology

PHYSICAL PARAMETER	INFORMATION/COMMENTS
REGIONAL HYDROGEOLOGY	The Subject Property is situated in the northern part of the Upper Santa Ana Valley Groundwater Basin in the Chino Subbasin. The Subbasin is bounded on the north by the San Gabriel Mountains and the Cucamonga fault, on east by the Rialto-Colton fault, on the southeast by the Jurupa Mountains, on the south by the Puente Hills and the Chino fault, and on the northwest by the San Jose fault (DWR, 2006). Groundwater is present in the alluvial deposits of the Subbasin. The Pleistocene alluvium is composed of interfingering finer, alluvial-fan deposits and coarser, fluvial deposits (DWR, 2006).
DEPTH TO GROUNDWATER DIRECTION OF ANTICIPATED FLOW [1]	Groundwater flow was reported to the southwest. An annual Groundwater Monitoring Report (P. Hamilton, 2010) was performed at the former Etiwanda Generating Station located at 8996 Etiwanda Avenue (south of the Subject Property) in the fourth quarter of 2009 and indicated depths to groundwater ranged from 369 feet to 434 feet bgs and a groundwater flow direction primarily toward the southwest. Groundwater in the area is considered to be of beneficial use.
REGIONAL GROUNDWATER QUALITY PROBLEMS	Groundwater in the Chino Subbasin is predominantly calcium-sodium bicarbonate. According to the Department of Health Services, the Total Dissolved Solids (TDS) concentration from Title 22 wells ranges between 149 to 1,710 mg/L and averages 359 mg/L. The most adverse impact to groundwater is high concentrations of dissolved solids and nitrate-nitrogen (DWR, 2006).
WATER SUPPLY	The Subject Property is connected to the local municipal water system. A non-production water well is located in the southeast portion of the Subject Property.
FLOOD ZONE DESIGNATION	According to EDR's *The EDR Radius Map™ Report with GeoCheck®*, the Subject Property is not located in a special 1% flood hazard area or in a 0.2% annual chance flood hazard zone.

[1] Groundwater flow direction is based on regional information sources. Site-specific conditions may vary due to a variety of factors including geologic anomalies, utilities, nearby pumping wells (if present), and others.

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4.5 USER PROVIDED INFORMATION

Information regarding the current owners/occupants of the Subject Property is summarized in Table 4-4.

Table 4-4
Owner / Occupant Information

ENTITY	NAME
OWNER	According to the *EDR Environmental Lien and AUL Search* report (EDR, 2023a), the current owner of the Subject Property APNs 0229-121-33-0000, 0229-131-19-000, 0229-121-34-0000, and 0229-121-35-0000 is "BTC III Arrow Route CC LLC."
OCCUPANT(S)	The Subject Property is currently unoccupied.

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Summaries of interviews of key individuals with knowledge of the Subject Property ("Key Site Managers") are provided in Section 7. The following sections present information provided to Kleinfelder by EDR.

4.5.1 Title Records

Chain-of-title information for the Subject Proper was not provided by the Client. Therefore, a review of a chain-of-title report was not performed as part of the scope of this Phase I ESA. However, based on the deed information available for the Subject Property, TAMCO transferred the deed for APNs 0229-121-33-0000, 0229-131-19-000, 0229-121-34-0000 to BTC III Arrow Route CC LLC in 2021 and the deed for APN 0229-121-35-0000 was transferred from CMC Steel Fabricators Inc in 2021.

4.5.2 Environmental Liens and Usage Limitations

According to information provided in EDR's regulatory agency database search report (EDR, 2023b), no known recorded land-use environmental deed restrictions pertaining to the Subject Property are listed in the State Liens Database; however, there is a deed restriction for the former brine area on the east adjacent Goodman Rancho SPE, LLC property and a Land Use Covenant (LUC) for the east adjoining DP Etiwanda property. Kleinfelder's review of EDR's *EDR Environmental Lien and AUL Search* report (EDR, 2023a) indicated no environmental liens or activity and use limitations (AULs) are associated with the Subject Property. A copy of EDR's report is provided in Appendix C.

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4.5.3 Value Reduction

As part of the ASTM Designation E1527-21 process, information is to be gathered regarding the prospective purchase price of the Subject Property relative to its fair market value. If there appears to be a value reduction, that reduction must be identified with respect to whether the difference could be attributed to environmental degradation of the property. As the Subject Property is not for sale, this is not applicable.

4.5.4 Other Information/Documents Provided

The following reports and other documents were provided to Kleinfelder:

A December 27, 2021 report prepared by Roux Associates, Inc. and entitled *Phase I Environmental Site Assessment Report, 12451 Arrow Route, Rancho Cucamonga, California*, was performed on the Subject Property and was prepared for BTC III Acquisitions LLC. This report

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indicated that the Subject Property consisted of approximately 94.247 acres of land identified as APNs 0229-121-34 (the west parcel of the Subject Property), 0229-121-33 (the south parcel of the Subject Property), 0229-131-19 (the east parcel of the Subject Property), and 0229-121-35 (the north parcel of the Subject Property). Addresses listed for the Subject Property included 12451 Arrow Route, 12343 Arrow Route, 12353 Arrow Route, 12455 Arrow Route, and 12459-B Arrow Route, with the 12451 Arrow Route address identified as the main address. At the time of the Roux Phase I ESA, the Subject Property was occupied by CMC (an inactive steel mill), CMC Rebar (a rebar manufacturing facility), and Phoenix Industries (a slag processing facility). The northern portion of APN 0229-121-34 was used by CMC for equipment storage and the southern portion of APN 0229-121-34 was used for steel billet and processed slag storage. No permanent structures were present on this parcel. The northern portion of APN 0229-121-33 was partially occupied by Phoenix Industries. Phoenix Industries performed mechanical crushing and sorting of steel slag for use as aggregate material. No permanent structures were present in this area. The remainder of the northern portion of APN 0229-121-33 was used for storage of scrap metal and processed steel slag. The southern portion of APN 0229-121-33 was developed with the inactive CMC steel mill. The steel mill consisted of a Melt Shop, the primary Processing Building, Warehouse and Maintenance Building, old baghouse, and guard shack. An EAF was reported to have previously operated in the Melt Shop. The northern portion of APN 0229-131-19 was developed with the CMC office building and fueling station. Rebar was also stored in this area. The southern portion of APN 0229-131-19 was developed with a Milling and Rolling Building, new baghouse, Main Office, Warehouse, and Bundling Station associated with the inactive steel mill operations. APN 0229-121-35 was developed with CMC Rebar. An Office and Fabrication Shop were reported to be present on this parcel. The steel mill development began circa 1959 with the construction of the Milling and Rolling Building. By 1975, the Subject Property, except for the northern portion, was graded and used for storage. By 1985, the northern portion of the Subject Property had also been developed for industrial use. The Melt Shop was developed by 1985 and the Office building and Fabrication Building were developed by 1990.

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This Phase I ESA identified the following RECs:

- The presence of TPH and metal concentrations in soil, and VOC concentrations in soil vapor across the Subject Property;
- The presence of railroad spurs on APN 0229-121-33 (the central and southern portion of the Subject Property), APN 0229-131-19 (the eastern portion of the Subject Property) since at least 1959. Historical use of oils, pesticides, herbicides, PCBs, and arsenic is known to be associated with the maintenance of railroad tracks and spurs. Additionally,

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there is the potential for spills of hazardous materials during loading or unloading of railroad cars;

- The presence of a fueling station equipped with dual-compartment diesel and gasoline UST. This UST was reported to consist of a 10,000-gallon diesel compartment and a 2,000-gallon gasoline compartment. At the time of this Phase I ESA report, the UST had been drained and inactive. Based on an investigation performed in 2021, no petroleum hydrocarbons were identified above regulatory screening levels in soil or soil vapor in the vicinity of this UST. Roux concluded that, due to the long history of industrial operations, and unknown age of this UST, there is potential that a release to have occurred. Roux recommended further investigation after removal of the UST;
- A former chemical storage area was located northwest of the Melt Shop on APN 0229-121-33. Roux indicated that, during their reconnaissance, signage was observed indicating the storage of new and used oils. The area was reported to be asphalt and concrete paved and bermed, though moderate staining and cracks were observed. Roux indicated that this area was not investigated in 2021;
- A wash rack equipped with a sump on the northern portion of APN 0229-121-33. The wastewater may have been impacted with automotive oils (petroleum hydrocarbons and VOCs) and metals from processed slag. There is potential for a release of impacted wastewater from the wash rack area; and
- At least 24 USTs used to store gasoline, diesel, fuel oil, or waste oil were reported to have been present at the Subject Property. Removal of some of the USTs is documented. Roux indicated that inactive USTs may be present on the Subject Property and may have released petroleum hydrocarbons.

This Phase I ESA identified the following HRECs:

- Soil impacted with lead was remediated in the southwestern portion of APN 0229-121-34 between 1989 and 1990. The RWQCB issued a letter stating no further action was required on November 7, 1990.
- Four 50,000-gallon fuel oil USTs were removed in November 1993 from APN 0229-131-19. Impacted soil was excavated and removed for off-site disposal. The SBCDEHS issued a letter stating no further action was required on April 28, 1994.

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- Metal-impacted soil, which was stabilized under DTSC oversight between 1989 and 1990, was used to backfill the UST cavities for the four USTs removed in 1993. The presence of the stabilized metal-impacted fill soil is considered a HREC.
- Steel-mill furnace wastes (baghouse dust waste and slag) were buried in trenches on APN 0229-121-35. These wastes were excavated, and confirmation sampling was performed under DTSC oversight and the DTSC issued a letter indicating that the residual concentrations were below human health screening levels for unrestricted use in 2001.
- Baghouse dust waste and slag were stockpiled on APNs 0229-121-34 and 0229-121-33. Remediation was performed under the oversight of SBCFD and a no further action determination was issued July 2, 2002.
- Four diesel USTs were removed from APN 0229-131-19 in 2006. Based on confirmation sampling results, no further action was indicated in a SBCFD letter dated October 6, 2006.
- A 12,000-gallon diesel UST and associated fuel dispenser was removed in June 2014 from APN 0229-121-35. Residual diesel was detected in confirmation soil samples; however, the SBCFD indicated that no further action was required in a letter dated October 29, 2014.

This Phase I ESA identified the following CRECs:

- Soil samples collected by the DTSC in 2005 identified an area of soil impacted by heavy metals north of Scrap Piles 12 and 16 on APN 0229-121-33. Remedial excavation was performed in November 2005. The excavation was backfilled with excavation soil that did not exceed the cleanup criteria and crushed slag, and then the area was capped with asphalt. TAMCO, the property owner at the time of this remedial activity, and the DTSC signed a Consent Order dated April 26, 2007 documenting the remedial completion.

This Phase I ESA identified the following environmental concerns:

- The potential for pesticides to be present in shallow soils due to former agricultural use of the Subject Property.
- Adjoining property DP Etiwanda, located at 8822 Etiwanda Avenue was listed in the EnviroStor database as having Land Use Restrictions as of October 22, 2020. Metals, TPH, and PCBs were reported to be present in soil at this facility. Land use is restricted to commercial and industrial use. This property was considered an environmental concern

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due to the documented presence of contamination and its proximity to the Subject Property.

- Buried slag was present in the northern, western, and southwestern portions of the Subject Property during Ramboll's Phase II investigation in 2021. Roux indicated that the slag material does not typically contain hazardous or petroleum constituents.

A *Geotechnical Investigation Report* for a proposed warehouse development prepared by Southern California Geotechnical for the Subject Property on October 15, 2021.

A *Preliminary Water Quality Management Plan* was prepared by Thienes Engineering, Inc. on May 18, 2023 for the proposed warehouse development.

A *Biological Due Diligence Investigation* for the proposed Arrow Route and Juneberry Drive Project was prepared by ELMT Consulting on November 29, 2021.

A *Site Plan* for the proposed warehouse developments was prepared by HPA Architecture.

A *Conceptual Grading and Drainage Map Plan* was prepared by Thienes Engineering, Inc.

A *Hazardous Waste Site Statement* was signed by BTC Arrow Route CC LP (Ares Industrial Management) on May 11, 2023. "Exhibit B" depicts the location of existing overhead utilities, and was prepared by Thienes Engineering, Inc.

A *Preliminary Hydrology Calculations Report* was prepared by Thienes Engineering, Inc. on May 8, 2023.

Roux, 2023, *Current Conditions Report, 12451 Arrow Route, Rancho Cucamonga, California.* October 25. This report summarizes the history of the Subject Property, the environmental assessments performed to date, the current conceptual model for the Subject Property, ongoing investigations and data gaps. The Subject Property was indicated to have been purchased by BTC III in December 2021 for industrial development. The previous steel-mill structures were demolished in 2021 and 2022. Recent subsurface investigations were performed by Ramboll in 2020 and 2021 on behalf of CMC (the owner of the Subject Property prior to its purchase by BTC), and by Roux on behalf of BTC in 2021 prior to purchase, and in 2022 and 2023. In summary, TPH-d has been identified in shallow soil in limited areas on APNs 0229-121-33 and 0229-121-19. Additional delineation of these soils is required. PCE, benzene, and chloroform are present in soil vapor on APN 0229-131-19. Roux recommended SVE remediation; however, the DTSC has requested further delineation, which has yet to be performed. PCB concentrations have been

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identified in the southern portions of APNs 0229-121-33 and 0229-131-19. Though, the impacted appears to be limited, further delineation of these areas is required. Slag material has been identified as present in the subsurface at the Subject Property. Previous investigations indicate that the slag does not pose a human health risk. The DTSC has recommended a site-specific leaching model be prepared to evaluate the slag material for potential leaching of metals. APN 0220-121-34 was reported to have previously been a SCE easement and was historically vacant until it was purchased by TAMCO in the later 1990s. The southern portion of this parcel was impacted by lead from water runoff from TAMCO in the 1980s. The lead-contaminated soil was remediated, and the case closed by the RWQCB in 1990. The *Current Conditions Report* indicates that slag material was used on the southern portion of APN 0229-121-34 by SCE to level the parcel. Roux indicates that no additional investigation is required of this parcel. APN 0229-121-35 was also identified as requiring no further evaluation. This parcel had been the former Fontana Steel rebar fabrication facility. Prior to use by Fontana Steel, Ameron had buried baghouse dust and slag in three trenches on this parcel. These trenches were excavated as part of the property transaction in the late 1980s. These trenches were investigated again in 1998 through 2001, and based on the results, the case was closed by the DTSC. Both Ramboll and Roux collected recent samples in the vicinity of these trenches and no impacted soil was identified. The *Current Conditions Report* identified multiple USTs having been present on the Subject Property, most of which had records of having been removed. One 1,000-gallon gasoline UST was reported to have been located southwest of the maintenance building on APN 0229-131-19; however, Roux indicated that it was unknown when this UST had been removed.

The *Current Conditions Report* summarized two Phase I ESA reports not previously summarized in this Phase I ESA report. A Phase I ESA had been prepared by Kinworthy/Patton Environmental, Inc, on December 2, 1996 for TAMCO regarding APN 0229-121-34. This parcel was described as vacant and having never been developed. A graded area had been present near the center of parcel. Liquid was observed to be flowing onto the property from the adjoining Parallel Products facility to the west. A 30-inch concrete pipe drainage channel and a 5-foot by 5-foot vault was noted on the parcel. The southern portion of the parcel appeared to have been raised using fill material (including slag). A second Phase I ESA had been performed on APNs 0229-121-34, 0229-121-33, and 0229-131-19 by Arcadis Geraghty & Miller dated October 7, 1998. This Phase I ESA identified an active UST in the northern portion of APN 0229-131-19, the slag stockpile in the northern portion of APN 0229-121-33, and poor housekeeping and staining the vicinity of an AST south of the maintenance area on APN 0229-131-19 as RECs. Other Phase I ESAs, subsurface investigations, and UST closure documentation were also summarized.

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In preparation for redevelopment, Roux prepared a *Soil Management Plan*, dated October 3, 2022. This plan was prepared prior to demolition of the structures at the Subject Property.

In July 2022, Roux performed a SVE pilot test at the Subject Property. The SVE radius of influence was reported to be from 71 to 82 feet at screens set at 5 feet bgs, and from 125 to 158 feet at screens set at 15 feet bgs.

In September and October 2022, Roux performed an assessment of the slag distribution across the Subject Property. Findings indicated that slag material was mainly present on APN 0229-121-34, the western and southern portions of APN 0229-121-33, and the southeastern portion of APN 0229-131-19 at depths up to 13 feet bgs. With the exception of thallium in soil samples collected at 11 feet bgs from two adjoining locations, and arsenic in one location at 3 feet bgs, metal concentrations in the slag material did not exceed industrial screening levels or hazardous waste criteria. Roux's site conceptual model identified that the former steel mill operations had impacted soil and soil vapor. Exposure to soil during construction activities was identified as a pathway. Roux indicated that once construction is complete and the soil surfaces capped by the buildings or parking areas, this exposure pathway will be closed. Vapor intrusion to indoor area was identified as another potential exposure pathway. Data gaps included the complete delineation of the TPH-d, metals (including lead, arsenic, cadmium, chromium, and hexavalent chromium), and SVOCs (benzo(a)pyrene) in soil, PCBs in soil and concrete, and VOCs in soil vapor. Included in the *Current Conditions Report* was a workplan to address these data gaps.

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5 HISTORY OF THE SUBJECT PROPERTY

The history of the Subject Property was researched to identify obvious uses. Historical land use was researched to the first developed use, or back to 1940, whichever was earlier or readily available. Table 5-1 summarizes the availability of information reviewed during this assessment.

Table 5-1
Historical Information Sources

SOURCE	YEARS REVIEWED	SOURCE / AVAILABILITY
SANBORN FIRE INSURANCE MAPS	Not available	EDR, 2023c
AERIAL PHOTOGRAPHS	1938, 1949, 1953, 1959, 1966, 1975, 1985, 1990, 1994, 2002, 2005, 2009, 2012, 2016, and 2020	EDR, 2023d
CITY DIRECTORIES	1922 through 2020 (select years)	EDR, 2023e
HISTORICAL TOPOGRAPHIC MAP REPORT	1897, 1900, 1903, 1941, 1944, 1953, 1954, 1966, 1973, 1976, 1981, 2012, 2015, and 2018	EDR, 2023f
BUILDING DEPARTMENT	Not available	EDR, 2023g
PREVIOUS ASSESSMENT(S)	1990 - 2023	Sections 4.3.3, 4.3.4, and 4.5.4

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5.1 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance Maps provide historical land use information for some metropolitan areas and small, established towns. Kleinfelder requested EDR to search its library of Sanborn Fire Insurance Maps for maps of the Subject Property. EDR responded that Sanborn Fire Insurance Maps were not available for the Subject Property (EDR, 2023d). A copy of EDR's response is provided in Appendix D.

5.2 AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a property that may not be documented by other means or observed during a reconnaissance visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from several historical photograph collections through EDR (2023d) and span a period of 82 years. A tabulation of the aerial photographs reviewed by Kleinfelder is

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presented in Table 5-2. Copies of the aerial photographs provided by EDR are included in Appendix D.

Table 5-2
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1938	1" = 500'	**Subject Property:** The Subject Property appeared to be developed as agricultural row crops. A small structure appeared to be present in the northwest corner of the Subject Property and a possible small pond appeared to be present in the northeast corner of the northern portion of the Subject Property. A small structure was located at the southeast corner of the Subject Property. A dirt road extended northward from this structure, through the fields. Another structure (possible shed) was located just west of this road, just south of the center of the eastern Subject Property boundary. **Surrounding Area:** The adjoining properties to the appeared to also be developed as agricultural land. Arrow Route appeared to be present north of the Subject Property. A natural drainage channel appeared to be present along the western boundary of the Subject Property. Another drainage channel and then a railroad were present along the southern boundary of the Subject Property. A residence with a possible small orchard adjoining it was present west of the northwest corner of the Subject Property. A dirt road and a railroad spur appear to extend east-northeast from the railroad south of the Subject Property, adjoining the southeast corner of the Subject Property.
1949	1" = 500'	**Subject Property:** The Subject Property appeared to be generally the same. **Surrounding Area:** The adjoining properties appeared to be generally the same, except that a detached garage appeared to be present south of the residence northwest of the Subject Property, and the orchard that appeared to be adjoining the residence was no long present. Additionally, a small structure appeared to be present southeast of the Subject Property, near where the railroad spurs leave the main railroad.
1953	1" = 500'	**Subject Property:** The Subject Property appeared to be generally the same. **Surrounding Area:** The adjoining properties to the west, north, and east also appeared to be generally unchanged. The railroad remained present to the south and the railroad spur remained present east-southeast. An industrial facility was present south and southeast of the Subject Property. Multiple structures were present in the portion of the industrial facility to the southeast. A drainage channel appeared to extend from the railroad near the southeast corner of the Subject Property, south-southwestward into the industrial facility. Four structures, and then four large ASTs and one small AST were present on the property south of the Subject Property. The ASTs were present in bermed secondary containment.

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Table 5-2 (Cont'd.)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1959	1" = 500'	**Subject Property:** The western and northern portions of the Subject Property appeared to remain developed for agricultural use. The small structure noted previously in the northwest portion and the small pond noted in the northeast portion of the Subject Property were no longer present. The northern portion of the eastern portion of the Subject Property also remained agricultural. A road extended down the eastern portion of the northern portion of the Subject Property, to an asphalt-paved parking lot and commercial structure in the northeastern quadrant of the eastern portion of the Subject Property. A dirt storage yard was present adjoining the parking lot to the east, and then an apparent residual agricultural field, with stockpiled material present in the north-central portion of the field. A dirt road also extended easterly through this agricultural field. The area east of the field appeared to be graded dirt and used as storage. An industrial warehouse facility was present in the southwest-central portion of the eastern portion of the Subject Property. The areas around this industrial structure were used for material storage. Stockpiles were present southeast of the industrial structure. A water tower appeared to be present in the southeast corner of the Subject Property. Railroad spurs were present in the eastern portion of the Subject Property: one spur extending off the railroad south of the Subject Property northward along the eastern boundary of the Subject Property. A second railroad spur appeared to extend from the eastern boundary and other railroad spur back towards the location of the stockpiles. **Surrounding Area:** The adjoining properties appeared generally the same as on the 1953 aerial photograph, except that there is an additional structure present west of the farm/residential structures west of the northwest corner of the Subject Property. The property east of the northeast portion of the northern portion of the Subject Property appeared to have been graded and developed as either parking lot or storage yard, with a structure in the northeast central portion of the property.

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Table 5-2 (Cont'd.)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1966	1" = 500'	**Subject Property:** The northern and western portions of the Subject Property appeared generally the same. The eastern portion of the Subject Property appeared to have been fully developed for industrial use with the northern portion used for stockpile and material storage. The parking lot and commercial structure remained present in the northwestern portion of this section, and the industrial building remained present. A new commercial building was present north-northeast of the industrial building. Stockpiles appeared to be present along the south, east, and southeast boundaries of the Subject Property. A small structure was present in the southeast corner of the Subject Property. A new railroad spur appeared to extend from the southwest corner of the eastern portion of the Subject Property, northward to the west of the industrial building, into the stockpile and storage area north of the new commercial building. The previously noted railroad spurs are not as apparent. **Surrounding Area:** Agricultural fields remained on much of the adjoining properties. The property west of the northwest portion of the northern half of the Subject Property appeared to have been redeveloped with at least two structures and eight ASTs. A railroad spur extended from this facility southward to the railroad south of the Subject Property. A large commercial building was present north of the northwest portion of the eastern portion of the Subject Property. The area west of this building was being used for storage and the area east of this building appeared to be covered in stockpiles. The industrial facility to the south and southeast of the Subject Property appears to have been further developed with near equipment along the south side of the railroad, south of the southeast corner of the Subject Property.

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Table 5-2 (Cont'd.)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1975	1" = 500'	**Subject Property:** The 1975 aerial photograph was poor quality; however, the eastern portion of the Subject Property appeared to remain generally the same. The northern and western portions of the Subject Property appeared to be most vacant. A series of man-made ponds appeared to be present along the western boundary of the Subject Property, though most appeared to be just outside the Subject Property boundary. A dirt lot was present in the central and southern portions of the western side of the Subject Property. A parking lot was present on the east-central portion of the western side of the Subject Property, adjoining the commercial facility to the east of the northern portion of the Subject Property. Possible stockpiles were present in the southwest corner of the Subject Property, and some earthwork or development was occurring in the portion of the Subject Property west of the industrial development in the eastern portion of the Subject Property. **Surrounding Area:** The adjoining properties to the north and south appeared generally the same. As previously mentioned, a series of manmade ponds were present along the western boundary of the Subject Property. The land west of these ponds appeared to be under development. The industrial facility with the ASTs remained present west of the northwest portion of the Subject Property, though two additional ASTs appeared to be present. The property east of the northern portion of the Subject Property and north of the eastern portion of the Subject Property was further developed. The commercial building and material storage yard remained present on the southern half of this property; however, the northern half appeared to have been developed with multiple commercial buildings. The area along Arrow Route appeared to be in use as storage. The property east of the southeastern portion of the Subject Property also appeared to be under development, with one possible structure already present.

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Table 5-2 (Cont'd.)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1985	1" = 500'	**Subject Property:** The northwestern and western portions of the Subject Property appear to be vacant, though the southwestern portion appears to be a dirt lot. The northeastern and central portions of the Subject Property appear to be paved and in use for stockpile/material storage. A small structure was present on the west-central edge of this storage yard. Two structures were present on the south-central portion of the Subject Property. A possible AST appeared to be present north of these structures. The eastern portion of the Subject Property appears to be generally the same. **Surrounding Area:** The property north of the northern portion of the Subject Property remains vacant/agricultural land. The property northeast of the Subject Property, across Arrow Route, appears to have been developed with four commercial structures. The property east of the northern portion of the Subject Property appears generally the same except that a new warehouse-type building was present east of the large commercial building in the southern half of the property. The property northeast of the eastern portion of the Subject Property appears to be bare earth and in use for storing stockpiled material. The property east of the southeast portion of the Subject Property appears to have two or three structures and be in use as a storage yard. The properties to the south and southeast appeared generally the same. The property west of the northwest portion of the Subject Property appeared generally the same. The ponds appeared to be dry, and the property farther to the west appeared to be in use for storage or trailer trucks or material pallets.

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Table 5-2 (Cont'd.)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1990	1" = 500'	**Subject Property:** The western portion of the Subject Property remained vacant. Two commercial buildings were present in the northern portion of the Subject Property with parking lots and storage yards present adjoining the buildings. Parking lots were also present along the eastern boundary of the north-central portion of the Subject Property. Stockpiles and stored material were present on the west-central portion of the Subject Property. A railroad spur appeared to be present extending from this stockpile area, down the western side of the stockpile/material storage yard, to connect with the railroad south of the Subject Property. The commercial and industrial structures remain present in the south-central and eastern portions of the Subject Property. A new structure was present west and adjoining the industrial structure in the eastern portion of the Subject Property. The areas around these structures were used for material storage. **Surrounding Area:** The adjoining properties to the north, south, and southeast of the Subject Property, to the east of the northern portion of the Subject Property, and to the west of the northwest portion of the Subject Property appear generally the same. The property to the west no longer has the "ponds" along the Subject Property boundary, and the property farther to the west appears to be in use for material storage with some scattered structures present throughout. Stockpiles were present on the southern portion of this property. The railroad spur remained present extending up to the property with the ASTs west of the northwest portion of the Subject Property. The property east-northeast of the eastern portion of the Subject Property appears to be in use as a storage yard. The property east of the southeast portion of the Subject Property appears generally the same.
1994	1" = 500'	**Subject Property:** The Subject Property appeared to be generally the same. **Surrounding Area:** The adjoining properties appear generally the same, except that two commercial buildings were now present on the property west of the Subject Property.
2002	1" = 500'	**Subject Property:** The Subject Property appeared generally unchanged, except that the western side of the Subject Property was now being used for material storage. Additionally, a new structure appeared to be present in the southeast portion of the Subject Property. **Surrounding Area:** The adjoining properties appeared to be generally the same, except that the area northeast of the southeastern portion of the Subject Property appeared to be in use for material storage and new commercial building was present northwest of the Subject Property across Arrow Route.
2005	1" = 500'	**Subject Property:** The Subject Property appeared generally the same. **Surrounding Area:** The adjoining properties appeared to be generally the same, except that the property to the west was now a large parking lot.

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Table 5-2 (Cont'd.)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
2009	1" = 500'	**Subject Property:** The Subject Property appeared generally the same. **Surrounding Area:** The adjoining properties appeared to be generally the same, except that a new commercial building was present north of the northwest portion of the Subject Property across Arrow Route.
2012	1" = 500'	**Subject Property:** The Subject Property appeared generally the same. **Surrounding Area:** The adjoining properties appeared to be generally the same, except that the property south of the western half of the Subject Property (south of the railroad) appears to have been developed as a storage yard.
2016	1" = 500'	**Subject Property:** The Subject Property remained generally the same. **Surrounding Area:** The adjoining properties to the north, west, and south appeared generally the same. The properties east of the northern Subject Property parcel and northeast of the southeastern Subject Property parcel had been redeveloped with the existing large commercial warehouse buildings. The property south of the western half of the Subject Property, south of the railroad, appears to have been completely paved or covered in gravel.
2020	1" = 500'	**Subject Property:** The Subject Property remained generally the same. **Surrounding Area:** The adjoining properties appeared generally the same, except that a new commercial building was present north of the northern Subject Property parcel, and the property east of the southeastern Subject Property parcel appeared to have been redeveloped as a truck parking lot and small warehouse type building.
Note: Aerial photographs only provide information concerning indications of land use, and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.		

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The aerial photograph review indicated the Subject Property was developed for agricultural use from approximately 1938 through 1949, and the northern and western portions of the Subject Property continued to be used for agricultural purposes through 1966. An industrial warehouse facility, railroad spurs, and stockpiles of material were present in the southern portion of the southeastern Subject Property parcel by 1959. By 1966, stockpiles associated with the industrial activities covered the southeastern parcel. In 1975, the western portions of the Subject Property appeared vacant with a railroad spur extending through the southern half of the western portion of the Subject Property. Additionally, parking lots and material storage areas appeared to be

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extending into the western half of the Subject Property from the southeastern portion of the Subject Property. By 1985, new industrial buildings were present in the southeastern portion of the western half of the Subject Property, and a large portion of the western half and northern portion of the Subject Property was being used for stockpiled material. A thin strip of vacant land remained along the western boundary of the Subject Property. By 1990, the northern parcel of the Subject Property had been developed with a large commercial building. By 2002, the vacant strip of land along the western boundary of the Subject Property had been covered with material storage. The industrial use of the property continued through 2020. The long industrial use of the Subject Property is considered a REC.

5.3 CITY DIRECTORIES

City directories provide information regarding property occupants by address. EDR provided a city directory abstract (EDR, 2023d) that summarized a review of city directories for properties along Arrow Route and Etiwanda Avenue between 1922 and 2020. It was determined that 12455 and 12459 Arrow Route shared common addresses with the adjacent T.I Wire and Ameron facility to the east. The available directory listings for the Subject Property addresses mentioned in EDR's report are summarized below:

- 12343 Arrow Route – No listings.
- 12353 Arrow Route – No listings.
- 12451 Arrow Route – This address was occupied by Fontana Crane Service in 1992; Fontana Steel from 1995 to 2017; Commercial Metals Co in 2017; Wood Keith, Tracy Porter, Ryan Harris , Nancy Koehler, Mike Moreno, Maricel Ortega , Malcolm McDowel, Lilian Rodriguez, Kevin Soli, Joy Fontes, John Ware, Greg Andstadt, David Hansen, Dave Otey, Daniel Smith, Christian McCain, Carvajal Chrostopher, Bob McRoberts, Bill Harry, and CMC Steel Alabama in 2020.
- 12455 Arrow Route – This address was listed as occupied by Ameron Pipe Products from 1985 through 2014; Ameron Concrete & Steel in 1995 and 2005; Ameron Water Trans Group in 2010; Ameron International in 2014; Nancy Woods, Maria Usciou, Kim Spencer, Jorge Gutierrez, Gene Cuesta, and Cheryl Humphrey in 2020.
- 12459 Arrow Route - This address was listed as occupied by Steel Producing Division in 1975, Pipe Products in 1975, Ameron in 1975, Ameron Pipe Coating Division in 1975, Ameron Pipe Products in 1980, United Slag Processing in 1985 through 2000, Ameron Steel & Wire in 1985 and 1990, Arrow FOE in 1985, Tamco in 1990 through 2017, Tamco

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Steel in 2008, RBC Contractors in 1995, IWP AD INC in 1995 through 2014, Golden State Nail in 2000 through 2003, Olympic Mill Services in 2003 through 2008, Industrial Wire Products Corp in 2005, GSN in 2005, Tree Island Wire / TI Wire in 2014 through 2020, Tervita Corp / Tervita in 2014 through 2017, Phoenix Services LLC in 2020, and Gerdau SA/Gerdau Ameristeel in 2020.

The available directory listings for the adjoining properties are summarized below:

- 12330 Arrow Route (north of the Subject Property across Arrow Route) – This address was occupied by American Coatings Inc, Alon Planet Storage LP, and U-Haul Neighborhood Dealer in 2020.
- No other adjoining property addresses were listed in the City directories.

The long industrial use of the Subject Property is considered a REC.

5.4 HISTORICAL TOPOGRAPHIC MAP REVIEW

Kleinfelder obtained information regarding historical topographic maps of the Subject Property vicinity from EDR (2023g). The topographic maps reviewed for this assessment are listed in Table 5-3 and copies of the maps are included in Appendix D.

Table 5-3
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1897 1900 1903	1:62,500 1:62,500 1:62,500	**Subject Property:** The Subject Property appeared to be vacant. Natural drainage channels appeared to be present along the western and eastern boundaries of the Subject Property. **Surrounding Area:** The adjoining properties appeared to be vacant, except for railroad tracks present south and adjoining the Subject Property.
1941	1:31,680	**Subject Property:** The Subject Property appeared to remain vacant. **Surrounding Area:** Most of the adjoining properties remain vacant. Arrow Highway was shown north and adjoining the Subject Property. Two structures were drawn west of the northwest corner of the Subject Property, and one structure was drawn across Arrow Highway to the northwest. An unimproved road was drawn extending northward from an intersection northeast of the northeast corner of the northern portion of the Subject Property. The railroad remains present south and adjoining the Subject Property. A railroad spur appears to extend off the railroad into the property east of the southeastern portion of the Subject Property. An aqueduct is drawn farther to the south and Etiwanda Avenue is drawn farther to the east.

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Table 5-3 (Cont'd.)
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1944	1:50,000	**Subject Property:** The Subject Property appeared to remain vacant with the two drainage channels present along its western and eastern boundaries. **Surrounding Area:** The adjoining properties appeared generally the same, except that a structure was shown on the property east of the southeastern portion of the Subject Property. Additionally, an unimproved road is shown on the south side of the railroad, south of the Subject Property, and the aqueduct noted on the 1941 topographic map is no longer shown. The buildings west of the northwest corner of the Subject Property appeared to have changed from two residential type buildings to include three commercial/industrial buildings.
1953 1954	1:24,000 1:62,500	**Subject Property:** The Subject Property appeared to be developed as orchards. A small structure was present in the northwest portion of the Subject Property, adjoining Arrow Route and a structure was shown in the southeast corner of the Subject Property. An unimproved road extended north to south through the center of the Subject Property, separating the southeast portion from the western and northern portions of the Subject Property. **Surrounding Area:** The adjoining properties to the north, west, and east appeared to have been developed as orchards. Arrow Route was shown north and adjoining the Subject Property. The unimproved road noted extending through the Subject Property, extended northward adjoining the northern portion of the Subject Property to the east, and then continued to extend north across Arrow Route. Another unimproved road extended north to south along the eastern boundary of the southeastern portion of the Subject Property to Arrow Route. A railroad spur was present adjoining the Subject Property to the west. This spur extended from the buildings located west of the northwest corner of the Subject Property, adjoining Arrow Route, southward to the railroad south of the Subject Property. The property to the south and southeast of the Subject Property appeared to have been developed with as a power plant. A railroad spur extended south and then east into this facility. Five oil tanks were identified south of the railroad spur, and two reservoirs were drawn on the eastern side of this facility. A water line labeled as "MWD Upper Feeder" was also shown extending east to west through this power plant.

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Table 5-3 (Cont'd.)
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1966	1:24,000	**Subject Property:** The western half of the Subject Property appeared to remain developed as orchards. The southeast portion of the Subject Property appeared to have been developed for commercial/industrial use with four new commercial/industrial structures and multiple railroad spurs present. The railroad spurs extended around the commercial/industrial structures and up the eastern boundary of the Subject Property. The small structure previously mentioned on the 1953 and 1954 topographic maps remains present in the southeast corner of the Subject Property and was labeled as a water tower. A road extended southward into the central portion of the Subject Property and then looped east and back northward around one of the commercial structures. The structure previously mentioned on the 1953 and 1954 topographic maps in the northwest corner of the Subject Property was no longer shown. **Surrounding Area:** The adjoining properties appeared generally the same, except that a new commercial warehouse-type building was present on the property north of the southeastern portion of the Subject Property. The railroad spurs on the southeastern portion of the Subject Property also extended into this property and to this new commercial building. Additionally, five ASTs appeared to be present at the industrial facility located west of the northwest corner of the Subject Property. The railroad and the power plant remained present south and southeast of the Subject Property.
1973 1976	1:24,000 1:50,000	**Subject Property:** The Subject Property appeared generally the same. **Surrounding Area:** The adjoining properties appear generally the same, except that there appeared to be additional commercial/industrial structures east of the northern portion of the Subject Property, and additional structures on the power plant adjoining the railroad south of the Subject Property.
1981	1:24,000	**Subject Property:** The Subject Property appeared generally the same, except that three new structures were present: two in the south-central portion of the Subject Property west of the industrial southeastern portion of the Subject Property, and one small structure in the west central portion of the western half of the Subject Property. The northern portion and a portion of the western portion of the Subject Property remained developed as orchards. **Surrounding Area:** The adjoining properties appear generally the same, except that the property east of the northern portion of the Subject Property appeared to have railroad spurs extending from the east of the Subject Property northward and then westward along the northside of its commercial buildings. A commercial structure was also present on the property northeast of the northern portion of the Subject Property, across Arrow Route.

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Table 5-3 (Cont'd.)
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
2012 2015 2018	1:24,000 1:24,000 1:24,000	**Subject Property:** This map shows physical features (i.e., surface topographic contours) but no structures. Juneberry Drive is shown extending southward into the Subject Property. A railroad spur is shown on the 2015 and 2018 topographic maps looping through the southern portion of the Subject Property. **Surrounding Area:** Arrow Route is shown along the northern Subject Property boundary and Juneberry Drive is shown along the eastern boundary of the northern portion of the Subject Property. The railroad is not shown south of the Subject Property on the 2012 topographic map but is shown on the 2015 and 2018 topographic maps.

The Subject Property was depicted as vacant/orchards since at least 1944. By 1953, a small structure was depicted on the northwest and southeast corner of the Subject Property with an unimproved road extended north to south through the center of the Subject Property, separating the southeast portion from the western and northern portions of the Subject Property. The western portion of the property remained as orchards until 1976. Industrial development continued from 1966 with new structures, water tower, and rail spurs.

The surrounding area was mostly vacant since 1897, except for railroad tracks to the south. Improved roads were depicted since 1941. Commercial development in the area continued from 1944. By 1953, the facility to the south was depicted as a power plant with five large oil tanks, and developments to the west and northwest continued from 1966. Additional industrial properties were depicted to the east since 1973, and to the northeast since 1981. The remaining topographic maps did not depict site features or structures. The long industrial use of the Subject Property is considered a REC.

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5.5 BUILDING DEPARTMENT

EDR provided Kleinfelder a report summarizing its Subject Property building permit search (EDR, 2023e), a copy of which is included in Appendix D. No building permits were identified in the EDR Building Permit Report. Additional permit search information is summarized in Section 4.3.3.

5.6 PREVIOUS ASSESSMENTS

Previous assessments were summarized in Sections 4.3 and 4.5.4.

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6 SUBJECT PROPERTY RECONNAISSANCE

Kleinfelder's Phase I ESA activities included a Subject Property reconnaissance. This section summarizes the findings from the Subject Property reconnaissance.

6.1 METHODOLOGY AND LIMITING CONDITIONS

Ms. Lindsey Dandridge-Perry and Mr. Alan Rodriguez of Kleinfelder performed a Subject Property reconnaissance on September 25, 2023. The Subject Property reconnaissance included a visual inspection of the Subject Property to assist in identifying the presence or likely presence of hazardous substances or petroleum hydrocarbons under conditions that indicate an existing release, a past release, or threat of release into structures, soil, groundwater, or surface water at the Subject Property (i.e., RECs). Observations of readily apparent environmental conditions are summarized in Table 6-1, and color photographs of the Subject Property are presented in Figures 7 through 46. The approximate Subject Property boundaries are shown on Figure 2, and site-specific features of each of the four parcels are presented as Figures 3 through 6.

6.2 GENERAL PROPERTY SETTING

The Subject Property is located south of Arrow Route, south and southwest of the intersection of Arrow Route and Yellow Wood Road/Juneberry Drive in Rancho Cucamonga, San Bernardino County, California. The Subject Property consists of the four parcels of land, bound by Arrow Route to the north, industrial properties farther to the north across Arrow Route, and adjoining to the northeast, east, and west, railroad right-of-way to the south, and a former Etiwanda generating plant farther to the south. The Subject Property vicinity is generally surrounded by industrial properties.

6.3 PROPERTY OBSERVATIONS

Kleinfelder's Subject Property observations are summarized in Table 6-1.

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Table 6-1
Subject Property Observations

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Current use	Vacant.	X	
Current use likely to indicate RECs	Stockpiles of slag, pulverized concrete, and asphalt remain on Subject Property.	X	
Past use	The northern portion of the property (adjoining Arrow Route) was a former rebar manufacturing facility. Baghouse dust had been buried on this parcel and then excavated and remediated. The case had then been closed under DTSC oversight. The southern and southeastern portions of the Subject Property had been occupied by a former steel mill that operated from the 1950s through 2017. Multiple USTs had historically been present on the Subject Property.		X
Past use likely to indicate RECs	Stockpiles of slag, pulverized concrete, and asphalt remain on the western side of Subject Property. Railroad spurs remain present, extending up the eastern boundary of the Subject Property and looping through the southern portions of the Subject Property. Foundations for the furnace and steel-mill structures remain present in the south-central and southeastern portions of the Subject Property. Pursuant to the Subject Property representatives, these features were not demolished as there are continuing environmental investigations in these areas. The Subject Property is under active voluntary cleanup under the oversight of the DTSC. Based on the property owner representatives, ongoing investigations include assessment of soil vapor impacts in the subsurface in the southeastern portion of the property and investigation of PCB impacts in localized areas.	X	
Structures	Foundations of previous structures remain present in south-central and southeastern portions of the Subject Property. Two SCE substation enclosures containing electrical equipment are present in the southeastern portion of the Subject Property and one empty SCE compound was present in the southern portion of the western half of the Subject Property.	X	

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Table 6-1 (Cont'd.)
Subject Property Observations

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Roads	Arrow Route is located north and adjoining the Subject Property. Juneberry Road is presently extending along the eastern side of the northern parcel and into the Subject Property. A driveway from Juneberry Road extends southward to the southern boundary of the Subject Property.	X	
Topography of Subject Property and surrounding area	Relatively flat. The Subject Property has undergone demolition activities, therefore, there are depressions from removed features.	X	
Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		**Observed**	**Not Observed**
Aboveground storage tanks (ASTs)	None observed.		X
Asbestos and lead	None observed.		X
Below grade vaults	Utility vaults and unknown vaults were observed on the Subject Property. APN 0229-121-33: One in the east-center. One in the southeast near the water connection. APN 0229-131-19: Two around the SCE enclosure. Four in the southeast corner near former cooling bed area. APN 0229-121-34: One in the northeast-center.	X	
Burned or buried debris	Not observed.		X
Chemical storage			X
Chemical mixing areas	Not observed.		X
Discolored soil or water	Not observed.		X
Ditches, streams	Two stormwater detention ponds, one at the southwest corner of APN 0229-121-33 (see Figures 3 and 4) and on the southeastern portion of APN 0229-131-19 (see Figure 5).	X	

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Table 6-1 (Cont'd.)
Subject Property Observations

Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Drains and piping	Concrete piping was observed extending on the west, south, and east perimeters of the Subject Property and is in connection with the stormwater runoff treatment system. A surface drain was identified on the northeast corner of APN 0229-131-19. Irrigation PVC pipes were observed on the southern portion of APN 0229-121-34.	X	
Drums	Multiple 55-gallon drums associated with drilling activities on site were observed on the western portion of APN 0229-131-19.	X	
Electrical or hydraulic equipment (polychlorinated biphenyls [PCBs])	Pad transformer on central north area of APN 0229-131-19 (see Figure 5). Pad transformer on east corner of switchboard enclosure on 0229-131-19, located east of PCB Area 1. Pad transformer on the adjoining east side of the switchboard enclosure located in the southern portion of APN 0229-131-19. Two pad transformers were observed in the northeast corner exterior of APN 0229-121-35. A switchgear box was observed in the northeast corner of APN 0229-121-34.	X	
Fill dirt from an unknown source	Not observed.		X
Fill dirt from a known source	Not observed.		X
Hazardous chemical and petroleum products in connection with known use	Not Observed.		X
Non-hazardous containers with contents	Enviroplug medium, Quikrete cement, Hydrogel were observed in the vicinity of the drilling activities occurring on the western portion of 0229-131-19. A dumpster was observed on the west portion of 0229-131-19. A trash bin was observed on the north portion of 0229-131-19.	X	
Hazardous waste storage	Not observed.		X

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Table 6-1 (Cont'd.)
Subject Property Observations

Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Heating and cooling system and fuel source	Not observed.		X
Industrial waste treatment equipment	Not observed.		X
Loading and unloading areas	Not observed.		X
Odors	Yeast odor was observed in the area next to Parallel Products, in the northwest portion of the Subject Property.	X	
Pits, ponds, or lagoons	Two stormwater detention basins.	X	
Pools of liquid	Not observed.		X
Process wastewater	Not observed.		X
Sanitary sewer system	Municipal supply. Multiple manholes were observed on the Subject Property.	X	
Septic system (e.g., tank and leach fields)	Not observed.		X
Soil piles	Various stockpiles of slag, pulverized asphalt and concrete are located on the central, north, east, and west inner portions of APN 0229-121-34, on the central and northern portions of APN 0229-121-33, and the central and western portions of APN 022-121-35.		X
Solid waste/evidence of unauthorized dumping	A dumpster was observed on the west portion of APN 0229-131-19. A trash bin was observed on the north portion of APN 0229-121-34. Trash debris was observed along the northern Subject Property boundaries.	X	
Stained pavement, soil or concrete	APN 0229-131-19: Dark surface staining was observed in the northwest corner of former fueling station/UST area (removed Dec 2022). APN 0229-121-34: Surface soil appeared dark and stained in areas around the stockpiles. APN 0229-121-33: Localized areas appear dark and stained.	X	
Stains or corrosion (interior, non-water)	Not observed.		X

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Table 6-1 (Cont'd.)
Subject Property Observations

Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Storm drains/catch basins	Various scattered storm drain covers were observed eastern and southern Subject Property boundaries, along north side of APN 0229-131-19, east of the end of Juneberry Drive, and on the west end of APN 0229-121-34.	X	
Stressed vegetation	Not observed.		X
Sumps and clarifiers	A former sump with clarifier on southwest corner of APN 0229-131-19 was observed. A three-stage open sump appeared to be present adjoining the infiltration basin in the southeast corner of the Subject Property.	X	
Surface water	Not observed.		X
UST(s) (including heating oil tanks)	Not observed.		X
Unidentified substance containers	Not observed.		X
Wastewater discharge	Not observed.		X
Water supplies (potable and process)	Municipal supply. Multiple fire hydrants were observed on the Subject Property.	X	
Wells (irrigation, monitoring, or domestic)	A non-production water well was present in the southeast corner of the Subject Property. Two SVE wells were observed on the southeast portion of Parcel 3 (0229-131-119), west of PCB area 2 and 3. An additional SVE well was observed in the central portion of Parcel 3.	X	
Wells (dry)	Not observed.		X
Wells (oil and gas)	Not observed.		X

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6.3 RESULTS OF SUBJECT PROPERTY RECONNAISSANCE

The Subject Property consists of a large L-shaped piece of land that includes four parcels: APN 0229-121-34-0000 (the west parcel), APN 0229-121-33-0000 (the south parcel), APN 0229-131-19-0000 (the south parcel), and APN 0229-121-35-0000 (the north parcel).

Ms. Lindsey Dandridge-Perry and Mr. Alan Rodriguez of Kleinfelder were accompanied by Mr. Carlos Palafox, Ares Industrial Management, and their environmental consultant, Mr. Peter Shimer, Roux, Inc. on September 25, 2023 during the site reconnaissance. Mr. Shimer provided figures showing the Subject Property's previous features, former remediation areas, and site

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investigation areas. At the time of the reconnaissance, the Subject Property was vacant with most above-grade structures and paved areas having been demolished. Utility infrastructure remained present on the Subject Property, including stormwater conveyance systems, fire hydrants, and transformers. Various vaults, rail spurs, equipment enclosures, a clarifier, a former cooling bed concrete area, and concrete foundations of former structures remained present. Three SCE substations (two containing electrical equipment and one empty compound) were also present on the Subject Property.

During the reconnaissance of APN 0229-121-35, the Mr. Shimer pointed out the location of a former 12,000-gallon UST, the former slag trench remediation area, the former Fontana Steel / CMC Rebar Fabrication Shop, and the former wash area. APN 0229-121-35 was observed to be mostly graded with no features remaining present and all pavement removed. Elevated soil stockpiles were present covering the central and western portions of the parcel. Trees and utility infrastructure remained present along the adjoining roads, including two pad-mounted transformers on the southwest corner of Juneberry Drive and Arrow Route. A fire post, retaining wall, two vaults, and a trash bin were also observed in the north portion of the parcel. Trash debris was observed along Juneberry Drive and Arrow Route. Trees were also present along the western and southern boundaries of APN 0229-121-35. PVC irrigation pipes line the perimeter of the trees. A water spigot was identified on the southwest corner of the parcel. A gravel road was present separating the western portion of APN 0229-121-35 from APN 0229-121-34. An electric gate provided access to the parcel from the east side adjoining Juneberry Drive.

During the reconnaissance of APN 0229-121-33, the Mr. Shimer identified the former wash rack, former Pad 16 remediation area, former scrap metal storage area, and former slag remediation areas. Large stockpiles of slag and scrap metal (from the former steel mill operations) and pulverized asphalt and concrete from the demolition activities were present on the northern portion of the parcel. The slag/scrap metal stockpile appeared to be on a concrete pad. Various water valves and a surface drain were present in the east portion of APN 0229-121-33, where Juneberry Drive intersects the Subject Property. A rail spur spans from the south portion of the parcel and curves north and then east towards APN 0229-131-19. Along the eastern portion of the parcel traveling south from the rail spur, there are various stormwater pipes, scattered manhole covers, and a fire hydrant. The ground surface is uneven from previous excavations. A former SCE enclosure was observed on the southeast portion of the parcel. A stormwater channel and stormwater detention pond were present in the southwestern corner of the parcel. The foundations of the Melt Shop remained present in the southeastern portion of this parcel.

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During the reconnaissance of APN 0229-131-19, the Mr. Shimer identified various PCB investigation areas near the former Roll Mill and rail spur in the southeast portion of the parcel. Additionally, ongoing drilling activities were being performed in the center of the parcel as part of the soil vapor assessment activities. A clarifier and sewer manholes were identified in the southwest corner of the parcel. Further east, along the southern parcel boundary, was a switchboard enclosure with a pad-mounted transformer. Another switchboard enclosure was observed directly north of this in an area where building foundations remained present. The site contact indicated that the concrete area west of the switchboard enclosure was part of an ongoing PCB investigation. Two PCB investigation areas along the former railroad spurs were identified in the southeast portion of the parcel. Well vaults (likely for SVE wells or soil vapor probes) were observed scattered on the east and west sides of the investigation area. Further north, there was an area marked as a “cooling bed area” that consisted of concrete pads with large below-grade open pits. Two railroad spurs were observed on the southeast corner of the parcel that extend north and eventually meet further north on the adjoining parcel. Scattered stormwater manhole covers were present in the southeastern portion of the parcel and along the eastern boundary. A pad-mounted transformer and nearby manhole cover was identified on the north central portion of the parcel. A dumpster was observed on the central eastern portion of the parcel. The site contact indicated that a former UST and dispenser (removed in 2022) had been located in the northwest portion of the parcel. Dark-stained soil was observed in this area. A stormwater channel was observed on the north perimeter of the parcel and separates the Subject Property from the north adjoining TI Wire facility. A non-production water well was observed in the southeastern corner of the Subject Property. A concrete pad was present on the eastern property boundary with an adjoining vault with multiple manholes. A three-stage sump was present south of the well and a stormwater channel was present at the southeast corner of the Subject Property and is redirected westward along the Subject Property. A detention basin was also present along the southern boundary of the parcel, and is enclosed in a chain-link fence

During the reconnaissance of APN 0229-121-34, the southern portion of the parcel was observed to be graded with asphalt and gravel stockpiles present on the central, western, eastern, and northern inner portions of the parcel. Dark staining was observed across the whole parcel. The southcentral portion of the parcel was reportedly a former Phoenix Industries maintenance and processing area. Stormwater channels and storm drains were observed on the south and west perimeter of the parcel. An equipment pad or remnant foundation of a former structure was located on the eastern central portion of the parcel. Several large metal bolts were observed in the central northern portion. A distinct yeast-odor was present in the northern portion of the parcel, and it was determined to be sourced from the adjoining property to the west (Parallel Products). Numerous

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totes and barrels and pooling liquid were observed on this property. Roux reported that this facility recycled waste alcohol to manufacture ethanol.

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7 INTERVIEWS

Key Site Managers were contacted to obtain current and historical environmental information concerning the Subject Property. The following sections highlight information revealed during the interviews.

7.1 INTERVIEW WITH CLIENT

A User Questionnaire was provided to Ascent on July 27, 2023 to provide to the applicant. Mr. Carlos Palafox Vice President of Development for Ares Management completed the questionnaire on January 10, 2024.

- He indicated that he was not aware of environmental liens and AULs, and a search performed did not find environmental liens and AULs associated with the Subject Property.
- He is not in the same line of business as the former Subject Property occupants and has no specialized knowledge or experience related to the Subject Property or nearby properties.
- He indicated that the Subject Property was purchased December 2021.
- He indicated that the Subject Property was a former steel-fabrication facility and referred to the recent *Current Conditions Report* for information about the Subject Property. This report is summarized in Section 4.5.4.

The completed questionnaire is included in Appendix C.

7.2 INTERVIEW WITH OWNER/MANAGER/OCCUPANTS

An Interview Questionnaire was provided to Ascent on July 27, 2023 to provide to the applicant. Mr. Carlos Palafox Vice President of Development for Ares Management completed the questionnaire on January 10, 2024. The responses to this questionnaire are summarized below:

- The Subject Property was occupied by a former steel-fabrication facility for at least the past three decades. The former occupant was Commercial Metals Corporation.
- Mr. Palafox referred to the recent *Current Conditions Report* for information about the Subject Property. This report is summarized in Section 4.5.4.
- He indicated there are monitoring wells used by Cucamonga Valley Water District.
- He was not aware of any septic system.

The documents provided by the applicant were summarized in Section 4.5.4.

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During the Subject Property reconnaissance, the site contact provided copies of figures showing the former Subject Property features, site investigation areas, sample areas, and closed remediation areas.

7.3 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Information obtained from regulatory agencies contacted by Kleinfelder is discussed in Section 4.3.

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8 EVALUATION

Kleinfelder performed this Phase I ESA of the Subject Property consistent with the scope and limitations of ASTM Designation E1527-21. The following sections describe Kleinfelder's findings and provide general background information about the Subject Property. Findings address RECs, HRECs, CRECs, and notation of *de minimis* quantities, as applicable to the Subject Property. In summary, Kleinfelder's assessment revealed the following information concerning the Subject Property:

- The Subject Property is located at 12451 Arrow Route, south and southwest of the intersection of Arrow Route and Yellow Wood Road/Juneberry Drive in the City of Rancho Cucamonga, San Bernardino County, California and consists of approximately 94.247 acres of land which is identified by the following San Bernardino County APNs and associated historical addresses:
    - APN 0229-121-33 (Parcel 2/South Parcel; Figure 4), located in the southwestern-central portion of the Subject Property, associated with addresses of 12459 Arrow Route and 12353 Arrow Route, Etiwanda CA 91739;
    - APN 0229-121-34 (Parcel 1/West Parcel; Figure 3), located in the western portion of the Subject Property, associated with addresses of 12459 Arrow Route and 12343 Arrow Route, Etiwanda CA 91739;
    - APN 0229-121-35 (Parcel 4/North Parcel; Figure 6), located in the north-central portion of the Subject Property adjoining Arrow Route, associated with an address of 12451 Arrow Route, Etiwanda CA 91739; and
    - APN 0229-131-19 (Parcel 3/East Parcel; Figure 5), located in the southeastern portion of the Subject Property, assigned addresses of 12455 Arrow Route and 12459 Arrow Route, Etiwanda CA 91739.

  BTC III Arrow Route CC, LP (applicant) is proposing to re-develop the Subject Property. Re-development would include the demolition and clearing of surface-paved areas and construction of five two-story (single story with mezzanine) buildings for general warehouse space, associated office space, and loading docks for truck trailers. The buildings are proposed to be surrounded by asphaltic concrete pavements in the parking and drive lanes, including 922 automobile parking spaces and 424 truck-trailer parking spaces. The proposed project would also include the creation of a new vehicle circulation system, water quality basins, utility infrastructure, exterior lighting and signage, and provide roughly 10 percent landscape coverage. In total, the

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proposed project would introduce approximately 1,830,729-gross-square feet of new building floor area. Vehicle access to the Subject Property would be provided by public roadways connecting the Subject Property to Arrow Route and Etiwanda Avenue.

- Historically, the Subject Property was developed for agricultural use from at least 1938 until 1954. A small structure was added to the southeast corner of the Subject Property in 1953, which was later identified as a water tower in the historical records. Steel mill development began circa 1959 in the southeastern portion of the Subject Property (APN 0229-131-19). Steel mill development include construction of a milling and rolling building, outdoor storage yards, office building, and multiple rail spurs. By 1966, the southeastern Subject Property parcel (east parcel) had been fully developed with stockpiles associated with the industrial activities covering the parcel. Between 1975 and 1990, the melt shop, parking lots, material storage areas, and railroad spurs were developed in the western half of the Subject Property (APN 0229-121-33 and APN 0229-121-35). A thin strip of vacant land (APN 0229-121-34) remained along the western boundary of the Subject Property. By 1990, the north parcel of the Subject Property had been developed with a large commercial building (Fontana Steel) and by 2002, the vacant strip of land along the western boundary of the Subject Property had been covered with material storage. The industrial use of the property continued through 2020. Past occupants of the Subject Property APNs 0229-121-33, 0229-121-34, and 0229-131-19 included American Pipe and Construction, United Slag Processing, Ameron Steel (Ameron), TAMCO, Tervita, Tube City, Phoenix Services LLC, Olympic Mills, CMC and Gerdau Ameristeel. Past occupants of Parcel 0229-121-35 included Ameron Pipe, Fontana Steel, CMC Fabricators, and CMC Rebar. TAMCO was formed by Ameron (formerly American Pipe and Construction), Tokyo Steel, and Mitsui Corporation in 1974. TAMCO operated the melt shop, which was constructed in 1976, and later took over operating the rolling mill in 1983. TAMCO was bought by Gerdau Ameristeel in October 2010. Tervita, Tube City, Olympic Mills, and Phoenix Services LLC appear to have been slag management/processing businesses that operated at the TAMCO facility. The north parcel (APN 0229-121-35) had been occupied by Fontana Steel and then CMC Rebar Etiwanda between 1988 and 2022. Fontana Steel obtained the property in 1987 after Ameron, Inc sold it to Kaiser Steel, who then traded it to Fontana Steel. Fontana Steel and later CMC Rebar performed rebar manufacturing on this north parcel. BTC III Arrow Route CC LLC obtained the deed for APNs 0229-121-33, 0229-131-19, 0229-121-34 from TAMCO and the deed for APN 0229-121-35 from CMC Steel Fabricators Inc in 2021. The former structures on the Subject Property were demolished in 2022.

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- Fontana Steel and later CMC Rebar were listed as SQGs. Oils and lubricants associated with equipment maintenance were used and stored on site. Wash water drained to a clarifier where the water was allowed to evaporate. Sludge was removed periodically. A 12,000-gallon diesel UST and fuel dispensers were installed at the Fontana Steel facility in 1989 and were removed in 2014.
- As part of the property transaction between Ameron and Fontana Steel in 1987, Ameron was to remove all hazardous materials from the property. Ameron had buried baghouse dust in three trenches on the parcel. These trenches were excavated, the baghouse dust removed, and confirmation samples were collected in 1987. Subsequent investigations were performed between 1998 and 2001 to assess if residual contamination remained. Slag material was present up to 10 feet bgs, no baghouse dust was observed, and soluble lead and chromium concentrations above STLC were not detected in the samples analyzed. In addition to assessment of the former baghouse trenches, soil samples were collected during the 1999 Phase II ESA near the oil/water separator/wash area, and the diesel UST. TPH was not detected in these areas. The associated cleanup case was issued a NFA determination on December 20, 2001.
- Based on review of regulatory database listings, TAMCO was listed as a large quantity (or super large quantity) hazardous waste generator between 1974 and 2022. TAMCO was listed as generating aggregate slag, baghouse dust, mill scale (ferrous metal), and steel manufacture chemicals associated with steelmaking. The HAZNET database listing indicates that the following wastes were generated by TAMCO: baghouse waste, waste oil and mixed oil, oxygenated solvents, hydrocarbon solvents, oil/water separator sludge, detergent waste chemicals, gas scrubber waste, paint sludge, and latex waste between 1989 and 2021; contaminated soil waste from site cleanup activities between 1990 and 2021; asbestos containing waste in 2000, 2005, 2011, 2018 and 2021; PCBs and material containing PCBs in 1990, 1993, 2011 and 2013; hydrocarbon solvent waste between 1995 and 2015; and halogenated solvents/liquids with halogenated compounds between 1991 and 2012. Multiple USTs and ASTs had historically been present at the TAMCO facility. Four 50,000-gallon fuel oil USTs (associated with a former furnace used at the rolling mill) had been installed in 1975 and removed in 1993; four 12,000-gallon diesel/fuel oil USTs were found by TAMCO near the southern boundary of APN 0229-131-19 and removed in 2006; one 300-gallon diesel UST was removed from near the cooling towers and generators north of the Melt Shop in 2011; a split UST consisting of a 10,000-gallon diesel compartment and a 2,000-gallon gasoline compartment and associated fuel dispensers and piping were removed in 2022; and a 10,000-gallon diesel UST was discovered during

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demolition of the former Melt Shop and was removed in 2023. Confirmation soil samples from the 300-gallon diesel UST were reported to contain TPH-d at a concentration of 1,720 mg/kg; ethylbenzene at a concentration of 57 µg/kg; and total xylenes at 423 µg/kg. TPH-d and ethylbenzene remain in soil above commercial/industrial screening levels. For the remaining tanks, constituents in confirmation samples were either not detected or detected concentrations did not exceed commercial/industrial screening levels and cases were issued closure by the SBCFD. ASTs were reported to contain oxygen, nitrogen, propane, oil, gear oil, sodium hypochlorite, lubricating fluids, waste oil, and diesel.

- Various cleanup cases were associated with the TAMCO facility. In 1986, water runoff containing baghouse dust from TAMCO had flowed into the property adjoining TAMCO to the southwest. TAMCO constructed a concrete dam to contain the runoff in 1986, however, approximately 21 acres of the adjoining property had been impacted with metals from the baghouse dust (primarily lead). Assessment and then remedial excavation were performed under the direction of the RWQCB to remove the lead-impacted soil with cleanup goals of 50 mg/kg for solids and 5 mg/L for STLC. The RWQCB closed the case November 7, 1990, after confirmation samples confirmed that the contaminated soil had been removed. Approximately 3,300-cubic yards of impacted soils were excavated and stabilized under a variance from the DTSC. After stabilization, the treated soil was stockpiled and then a portion was used to backfill UST excavations in 1993.
- The USEPA performed a preliminary assessment of the TAMCO facility in 1994. The report indicated that some baghouse waste was irradiated when a canister containing cesium went into the furnace. A portion of this irradiated waste was sent off-site for disposal at Kettleman Hills hazardous waste landfill in May 1985. The California Department of Health Services determined the irradiated load would be left in place at Kettleman City. The remaining waste identified as radioactive waste was sent for disposal at U.S. Ecology. TAMCO subsequently has performed radioactive screening of scrap metal brought to the facility. In 1988, soils southwest of the TAMCO facility had been impacted by runoff containing baghouse waste. Lead concentrations up to 135 mg/L, zinc up to 1,860 mg/L, and cadmium up to 5.7 mg/L were reported in soil samples from the property southwest of TAMCO. Approximately 3,300-cubic yards of impacted soils were excavated and stabilized under a variance from the DTSC. After stabilization, the treated soil was stockpiled and then a portion was used to backfill UST excavations in 1993. This report identified that the baghouse waste generated at the facility was identified as a RCRA waste, which was generally transported off site by railcar to a disposal facility. The report identified that baghouse waste was present in a 250-feet long by 100-feet wide and

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25-feet tall slag pile in the northwest portion of the TAMCO facility. This slag pile was reported to have been sampled in 1993 and elevated concentrations of cadmium, chromium, lead, nickel, and zinc were present. The report identified the stabilized soil, the slag pile, and the radioactive baghouse waste as areas where hazardous wastes are present on the TAMCO facility. Stormwater runoff was reported to flow southeast and southwest. A retention basin captures the runoff to the southwest, and the runoff to the southeast flows into the Chadwick Channel. Wastewater from the cooling tower was reported to have been piped to the Chino Basin Publicly Owned Treatment Works. Waste from the maintenance shops included waste solvents, degreasers, and oils, which were stored in drums and disposed of off site. Before removal, the drummed waste was stored in a bermed concrete hazardous materials storage area. Stained concrete was observed in the maintenance areas. The USEPA preliminary assessment concluded that, based on the depth to groundwater, it is unlikely that TAMCO's operations would impact groundwater, therefore, the facility does not qualify for further remedial assessment under CERCLA.

- Remediation of the 41,000-cubic-yard stockpile mixed slag and baghouse dust stockpile identified in the USEPA report was performed under the oversight of the San Bernardino County Fire Department in 2000. Non-slag (baghouse dust) was separated from the slag material using a rotary drum separation method. The clean slag was tested and then sold by Olympic Mills or crushed and reused in cement. A couple of depressions filled with slag and baghouse dust were found beneath the stockpile after its remediation. These depressions were excavated, and confirmation samples collected. The slag remediation case was closed in 2002 with residual contamination remaining in soil. The closure letter indicated that the residual concentrations were below hazardous waste thresholds, and no further action was required.
- During a field inspection performed in 2005, the DTSC identified that TAMCO receives large quantities of scrap metal for smelting and producing rebar and that the scrap metal was stored in piles without containment. Scrap metal contains lead, chromium, copper, nickel, and zinc. The DTSC performed shallow soil sampling around the stockpiles and the sample analytical results indicated the presence of high lead concentrations in soil around the stockpile located at Pad 16. TAMCO completed additional sampling in 2006 and then excavated and disposed of the impacted soils. Confirmation sampling was performed to verify the removal of impacted soil. Areas were paved to the north and south of the scrap piles and barriers were installed to separate piles, and a stormwater treatment system was constructed to prevent contamination from leaving the paved areas. A CalEPA

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DTSC, Docket No. HWCA 2005 0964, Consent Order, was signed April 26, 2007 by TAMCO and May 2, 2007 by DTSC summarizing the sampling, cleanup, and actions taken to control runoff and infiltration of metals into the soils around the piles. The Consent Order directed that TAMCO will minimize the release of contaminants by using barriers or wind breaks to prevent the powder from being carried by wind, and required routine cleanup of residual dust from scrap piles and installation of track-out controls to prevent the dust from being tracked out by trucks.

- The Subject Property was listed under BTC III Arrow Route, as an active voluntary cleanup site on Envirostor as of August 24, 2022. The application indicated that the Subject Property was vacant and the previous structures had been demolished in preparation for redevelopment. Previous occupants of the Subject Property were listed as Etiwanda Steel Producers in 1956, Ameron Steel / Ameron Pipe Products in 1970, Tamco Steel in 1974, Fontana Steel in 1988, Gerdau Steel in 2013, and CMC Steel in 2018. Soil and soil vapor have been impacted by historic operations at the Subject Property. Constituents of concern included pesticides/herbicides, metals, petroleum hydrocarbons, and VOCs. Multiple closed cleanup cases were listed in association with the Subject Property, including a NFA status for lead remediation issued by the RWQCB in 1990, a NFA for UST removal issued in 1994 by SBCDEH, excavation oversight performed by the DTSC in 2001, NFA for slag stockpile remediation in 2002 by SBCFD, NFAs for UST removal in 2006, 2011, and 2014 by SBCFD, and a Consent Order in 2007 by the DTSC. Two Phase II ESA investigations, one by Ramboll US Consulting, Inc. and one by Roux Associates, Inc. were reported to have been performed in 2021. The Voluntary Cleanup Agreement between BTC III Arrow Route CC LP and the DTSC for the Subject Property was signed October 6, 2022 and executed on October 26, 2022.
- Ramboll advanced 99 soil bores (including 33 step-out bores) across the Subject Property in 2020 and 2021 as part of a Phase II subsurface investigation. Bores were advanced in areas of previous cleanup cases, and in a grid pattern across the Subject Property. Of these bores, 26 were converted to soil vapor probes. Slag material was encountered at depths up to 10 feet bgs in 33 of the 99 bores. In summary, soil analytical results indicated TPH-g was only detected in one soil sample collected at a depth of 3 feet bgs. This TPH-g concentration (0.00034 mg/kg) did not exceed commercial screening levels. TPH-d was present in 15 of the initial soil samples and 11 of the step-out soil samples. TPH-d concentrations ranged from 11.8 mg/kg to 9,230 mg/kg (collected at 1 foot bgs). Two of the initial soil samples (RSB-03 and RSB-05) contained TPH-d concentrations that exceeded commercial screening levels and both samples were collected at 1 foot bgs.

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TPH-d concentrations in the step-out bores in these areas also exceeded commercial screening levels. The TPH-d concentrations exceeding commercial screening levels were located south of the Bundling Station and near the west boundary of APN 0229-121-33. TPH-o was present in 19 of the initial samples and seven of the step-out samples. TPH-o concentrations ranged up to 11,000 mg/kg. TPH-o concentrations did not exceed the TPH-o commercial screening levels. VOCs including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, m,p-xylene, o-xylene, p-cymene, and PCE were present in soil samples at concentrations below their respective commercial screening levels. Lead concentrations were, however, present in samples collected up to 3 feet bgs above their respective commercial screening levels, at concentrations ranging up to 2,910 mg/kg. Lead concentrations exceeding commercial screening levels were present north of the Warehouse Maintenance building, and east part of the Mobile Maintenance building. Cadmium, lead, and zinc were detected at concentrations above their respective CCR Title 22 hazardous waste thresholds (TTLCs) in three soil samples, and one soil sample had soluble lead that exceeded the RCRA TCLP limit. Six samples were analyzed for PCBs and PCBs were not detected. VOCs including PCE and chloroform were detected in soil vapor samples above commercial screening levels with an attenuation factor of 0.001 applied. Chloroform was detected at concentrations ranging from 0.06 µg/L to 1 µg/L, and PCE was detected at concentrations ranging from 0.08 µg/L to 100 µg/L. PCE concentrations appeared to decrease in a second sampling event. Ramboll recommended a Site-Specific SMP be prepared for future construction at the Subject Property to manage the slag material present in the subsurface and the areas with TPH-d, lead, zinc, and cadmium concentrations. Ramboll concluded that the TPH-d in shallow soils above commercial screening levels appeared to be limited laterally and vertically. Ramboll recommended that soil in the areas containing elevated lead, zinc, and cadmium concentrations be removed off site for disposal. Ramboll also indicated that the PCE-impacted soil vapor appeared to be localized in the eastern portion of the Parts Warehouse building and appeared to be limited to the upper 15 feet bgs.

- Roux performed subsequent environmental investigations in 2021 and 2022 including sampling along the railroad spurs present on the Subject Property, sampling in a former chemical storage area northwest of the former Melt Shop, sampling at a wash rack located in the northern portion of APN 0229-121-33, sampling in the location of a former subsurface clarifier and aboveground oil recovery system on APN 0229-121-35, and sampling in the vicinity of former USTs. Roux's investigations identified PCB concentrations greater than screening levels in soil samples collected along the railroad

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spurs on APNs 0229-121-33 and 0229-131-19, and in concrete samples from an area of pink concrete in the vicinity of the Rolling Mill. Soil and soil vapor samples collected from the former chemical storage area, wash rack, and former UST areas did not contain concentrations exceeding commercial screening levels. Pesticide and herbicide concentrations in samples collected across the Subject Property do not exceed commercial screening levels. TPH-d and metals exceeding commercial screening levels are present in soil at depths less than 5 feet bgs in the southern portions of APNs 0229-121-33 and 0229-131-19. VOCs were not detected in soil samples greater than screening levels. Soil vapor investigations identified that PCE, TCE, benzene, and chloroform were present in soil vapor beneath APN 0229-131-19 at concentrations exceeding commercial screening levels. Roux indicated in their most recent Subsurface Investigation Report that lateral and vertical delineation of soil vapor is still required, and recommended SVE as a remedial method for the soil vapor impact. Roux indicated that SVE wells and a pilot test had been performed in 2022. Roux also recommended further delineation of TPH-d, metals, and SVOCs in shallow soils, and further delineation of PCB-impacted soils near the railroad spurs. Finally, Roux recommended evaluation of the physical distribution and chemical composition of the slag material present in the western portion of the Subject Property.

- During the Subject Property reconnaissance, the Subject Property was observed to be mostly vacant. A guard shack was present at the entrance to the Subject Property off Juneberry Drive and a paved driveway extended south into the Subject Property with a small parking lot adjoining the guard house. Three SCE electrical substations were present in the southern portion of the Subject Property. One empty enclosure was present in the southern portion of APN 0299-131-35; and two enclosures with SCE equipment were present in the southern portion of APN 0229-131-19. Foundations of the previous steel mill operation structures (including the Melt Shop and the Rolling Mill) remained present in the south-central and southeastern portions of the Subject Property. Railroad spurs were still present extending throughout the southern Subject Property parcels. Evidence of excavation activity and multiple stockpiles were present across the Subject Property. Soil stockpiles were present on APN 0229-121-35 (address 12451 Arrow Route) and stockpiles of slag, broken concrete, and broken asphalt from the facility's previous operations and from facility demolition activities were present on the western portion of the Subject Property. The slag stockpiles appeared to be on concrete pads. Areas with dark staining were observed in the southern and western portions of the Subject Property. Utility main lines, including water, power, sewer, and storm drains, remained present on

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the Subject Property. A pad-mounted transformer was present in the northern portion of APN 0229-131-19 and a second pad-mounted transformer was present in one of the SCE enclosures on APN 0229-131-19. Two storm water detention ponds were present on the Subject Property: one in the southeast corner of APN 0229-131-19, and one in the southwest corner of APN 0229-121-33. A non-potable production well and a former three-stage catch basin were also located in the southeastern corner of the Subject Property. Three SVE wells associated with the site assessment activities are located in the southeast portion of the Subject Property. A former sump/clarifier was present in the southwest corner of APN 0229-131-19. During the Subject Property reconnaissance site assessment drilling activities were occurring on APN 0229-131-19. Based on the Subject Property owner representative and their consultant, Roux, ongoing site assessment activities (soil vapor assessment on APN 0229-131-19 and diesel assessment on the southern portion of APN 0229-121-33) and an active PCB investigation on APN 0229-131-19 are being conducted at the Subject Property under DTSC oversight. Some of the former structure foundations and former equipment pads remain in place as a result of the ongoing investigation.

- At the time of the Subject Property reconnaissance, the adjoining properties were observed to be commercial/industrial. A Goodman distribution center was present west of the northern portion of the Subject Property and east-northeast of the southeastern portion of the Subject Property. An unoccupied former industrial building (formerly occupied by Tree Island Wire – a steel wire manufacturer) was located west of the central portion of the Subject Property and north of the southeastern portion of the Subject Property. A trucking facility (Central Transport) was located east of the southeastern portion of the Subject Property. The properties west of the Subject Property were occupied by Parallel Products (a facility that recycles alcohol to produce ethanol), and a car auction yard (Copart Rancho Cucamonga). Railroad tracks were present adjoining the Subject Property to the south, and properties south of the railroad tracks included a vacant property with multiple stockpiles (former Etiwanda Generating station) and a SCE BESS Separator Facility. Multiple kegs, totes, ASTs, and pooling liquid were observed on the Parallel Products property; however, these likely contain alcoholic beverages that will be recycled. Additionally, there is the potential for hazardous materials to be present at the SCE facility south of the Subject Property. Hazardous materials and petroleum products were not observed to be stored on the properties adjoining the Subject Property at the time of the Subject Property reconnaissance. No other indications of obvious or suspect RECs were

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apparent on the adjoining properties at the time of Kleinfelder's Subject Property reconnaissance.

- According to previous environmental investigations at the former generating station property to the south and the adjoining property to the east, groundwater ranges from 300 to 400 feet and primarily flows to the southwest.
- Multiple cleanup cases are associated with the adjoining properties, however, based on the depth to groundwater it is unlikely that these releases will have impacted the Subject Property, with the exception of the following:
    - DP Etiwanda, located at 8822 Etiwanda Avenue, is located east and adjoining the southeastern Subject Property parcel, APN 0229-131-19 (east parcel). This facility was listed as a voluntary cleanup case with land use restrictions. The facility was used for automobile and scrap metal recycling from 1975 through 2017 and has since been redeveloped as a transportation facility. Prior to redevelopment, a soil and soil vapor investigation of the property was performed by Ramboll in July 2018, and concentrations of metals, TPH, and PCBs were reported to be present in soil samples. Subsequently, remedial excavation was performed to remove contaminated soil. Confirmation soil samples indicated that residual metal and PCB concentrations at the property were below commercial/industrial screening levels, except for areas along the western, northern, and southern property boundaries. A Land Use Covenant between DP Etiwanda and DTSC was executed on August 19, 2020, restricting the property to commercial/industrial use. A subsequent investigation to delineate residual soil impact along the property boundaries was performed in August 2020. Refusal between 1 and 2.5 feet bgs was encountered in many of the bores along the western property boundary (adjoining the Subject Property). Based on Kleinfelder's review of the investigation results, lead was reported to present at a maximum concentration of 379 mg/kg in a 0.5-foot soil sample in the west-northwest boundary of the property in 2018. Samples from the step-out bore advanced to the west of the location of the maximum result in 2020 indicated that lead was present at 0.5 foot at 83 mg/kg, and at 6.9 mg/kg at 2 feet. PCB concentrations were present above commercial screening levels in soil samples collected from the 2018 excavation on the west-southwest boundary of the property. The maximum concentration of Aroclor-1248 was 11.7 mg/kg at 0.5 feet and the maximum concentration of Aroclor-1254 was 2.47 mg/kg, also in a 0.5-foot sample, though PCB concentrations were reported at depths down to 3 feet bgs at some locations. Only a 0.5-foot sample was

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collected at the step-out location to the west of the highest Aroclor-1248 concentration, but the analytical results indicated an Aroclor-1248 concentration of 0.39 mg/kg. Samples from the other two step-out bore locations also contained PCB concentrations and did not further delineate the impacted soil. The southeast corner of the Subject Property adjoins this PCB-impacted area. A concrete cinder block wall was reported to be present on the Subject Property boundary preventing any further step-out bore assessments. Ramboll indicated that the residual concentrations of lead present along the south and northwest boundaries were localized and slightly above the commercial/industrial screening levels. Ramboll indicated that the step-out sample results did not exceed the previously maximum-detected PCB result and that the concrete cinder block wall along the western boundary acts as a barrier to limit the PCB impact. Ramboll also indicated that the lead and PCB concentrations were adequately characterized and do not present a human health risk since the property has a land use covenant limiting it to industrial use.

8.1 DEVIATIONS AND ADDITIONAL SERVICES

The scope of this Phase I ESA does not incorporate ASTM Standard non-scope considerations, such as ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality/vapor intrusion, and high-voltage power lines.

8.2 CONCLUSIONS AND RECOMMENDATIONS

Kleinfelder has performed a Phase I ESA, in conformance with the scope of services required by ASTM Designation E1527-21, our Proposal No. Proposal No. MT200213.001P dated November 16, 2022, and limitations discussed in this report. Exceptions to and deviations from this practice are described in Section 8.1 of this report.

Based on the results of the Phase I ESA, no RECs, CRECs, HRECs, or *de minimis* conditions were identified for the Subject Property, except for the following:

RECs

- The long history of industrial use of the Subject Property and ongoing site assessment and cleanup activities at the Subject Property are considered a REC. This includes the presence of PCB concentration along the rail spurs and in areas around the former rolling mill on APN 0229-131-19; the presence of TPH-d, SVOCs, and metals in shallow soil on

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APNs 0229-121-33 and 0229-131-19; and the presence of PCE, TCE, benzene, and chloroform in soil vapor on APN 0229-131-19.

- The active LUC, residual concentrations of metals, TPH, and PCBs, and active soil management plan at the east adjoining DP Etiwanda facility is considered a REC.

CRECs

- Baghouse dust waste and slag was historically stockpiled on APNs 0229-121-33 and APN 0229-121-34. The stockpile was remediated, and depressions beneath the stockpile full of baghouse dust and slag were excavated and confirmation soil samples were collected. The remediation case was closed by the San Bernardino County Fire Department with residual concentrations remaining in soil and A NFA was issued July 2, 2002. Ramboll performed limited soil sampling in the footprint of the former slag stockpile. Soil analytical results did not exceed commercial/industrial screening levels; however, there remains the potential for pockets of lead impacted soil to remain.
- A lead impacted area north of Pad16 was excavated in 2006. Confirmation samples were collected and overexcavation performed wherever lead exceeded hazardous waste thresholds. DTSC and TAMCO signed a Consent Order in 2007 concerning actions taken to control runoff and infiltration of metals into the soils around the piles. Ramboll collected soil samples from a bore advanced in the approximate center of the Pad 16 remedial excavation. Analytical results did not exceed commercial screening levels.
- One 300-gallon diesel fuel UST was removed from APN 0229-121-33 in November 2010. The confirmation soil sample analytical result indicated that TPH-d was present at a concentration of 1,720 mg/kg; ethylbenzene was present at a concentration of 57 µg/kg; and total xylenes were present at 423 µg/kg. This UST was closed with residual contamination present.

HRECs

- Soil contaminated by metal impacted runoff water on the adjoining property southwest of APN 0229-121-33 was excavated, stockpiled, and stabilized between 1989 and 1990. The stabilized soil was stockpiled on the former TAMCO facility for use in future construction projects. SARWQCB issued a NFA on November 7, 1990.
- Four 50,000-gallon fuel oil USTs were removed from APN 0229-131-19 in November 1993, and approximately 474-cubic yards of impacted soil were excavated and removed. Confirmation samples were collected and areas with detected TPH were excavated and resampled until hydrocarbon concentrations were not detected. The San Bernardino County Department of Environmental Health Services determined NFA on April 28, 1994.

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- Stabilized soil from the 1990 cleanup case summarized above was used as backfill for excavation of the four fuel oil USTs removed in 1993. Roux collected soil samples from the backfill material in this former UST excavation area. Soil analytical results do not exceed commercial screening levels.
- Baghouse dust waste and slag was excavated from trenches in APN 0229-121-35 in 1988 under oversight by the DTSC. Between 1998 and 2001, samples were collected from within and adjoining the trenches. Sample analytical results indicated that the remaining metals concentrations met health-based criteria for unrestricted land use in a letter dated December 20, 2001.
- Four 12,000-gallon diesel USTs were removed from the southwest portion of APN 0229-131-19 in 2006. Confirmation samples indicated that TPH-cc and VOCs were not detected.
- One 12,000-gallon diesel UST was removed from APN 0229-121-35 in June 2014. Confirmation samples indicated no significant release had occurred and the case was closed.
- A dual-compartment UST (one compartment 10,000-gallon diesel and one compartment 2,000-gallon gasoline) and associated equipment was removed from the northwest portion of APN 0229-131-19 in December 2022. Constituents in confirmation samples were either not detected or detected concentrations did not exceed commercial/industrial screening levels. The case was issued closure by the SBCFD.
- A 10,000-gallon UST was discovered during demolition of the Melt Shop. This UST was removed in 2023. Constituents in confirmation samples were either not detected or detected concentrations did not exceed screening levels. Closure was issued by the SBCFD.

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De minimis conditions

- Dark-stained soil was observed in the southern and western portions of the Subject Property. Given the depth of groundwater, it is unlikely that potentially impacted soil has affected groundwater, and removal by excavation, confirmation sampling, and disposal is recommended.

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BER

Although not considered a REC pursuant to ASTM Standard E 1527-21, the following BER has been identified:

- Buried slag material is generally not hazardous, and was historically encountered during previous investigations, therefore the presence of slag is considered a BER.

Recommendations

Based on the findings and conclusions of this Phase I ESA, Kleinfelder has the following recommendations for further assessment.

- Continue to manage soil under a soil management plan.
- Sampling of soil along the Subject Property boundary for OCPs, metals, TPH, VOCs, PCBs, and PAHs to assess impacts due to historical agricultural, railway right-of-way, and current soil management and land-use covenants in place in some of the adjacent properties.
- Kleinfelder agrees with Roux's recommendation for SVE remediation.
- Perform soil vapor sampling in the proposed building footprints to assess potential impact to indoor air quality. Prepare a human health risk assessment based on the soil vapor sample results.

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8.3 DATA GAPS

Kleinfelder attempted to obtain reasonably ascertainable information regarding the Subject Property consistent with ASTM Standard E1527-21. Despite good faith efforts by the environmental professional(s) to gather the necessary information, data gaps, a lack of information, or inability to obtain information as required by the ASTM Standard, were encountered during the completion of this Phase I ESA. No significant data gaps were identified.

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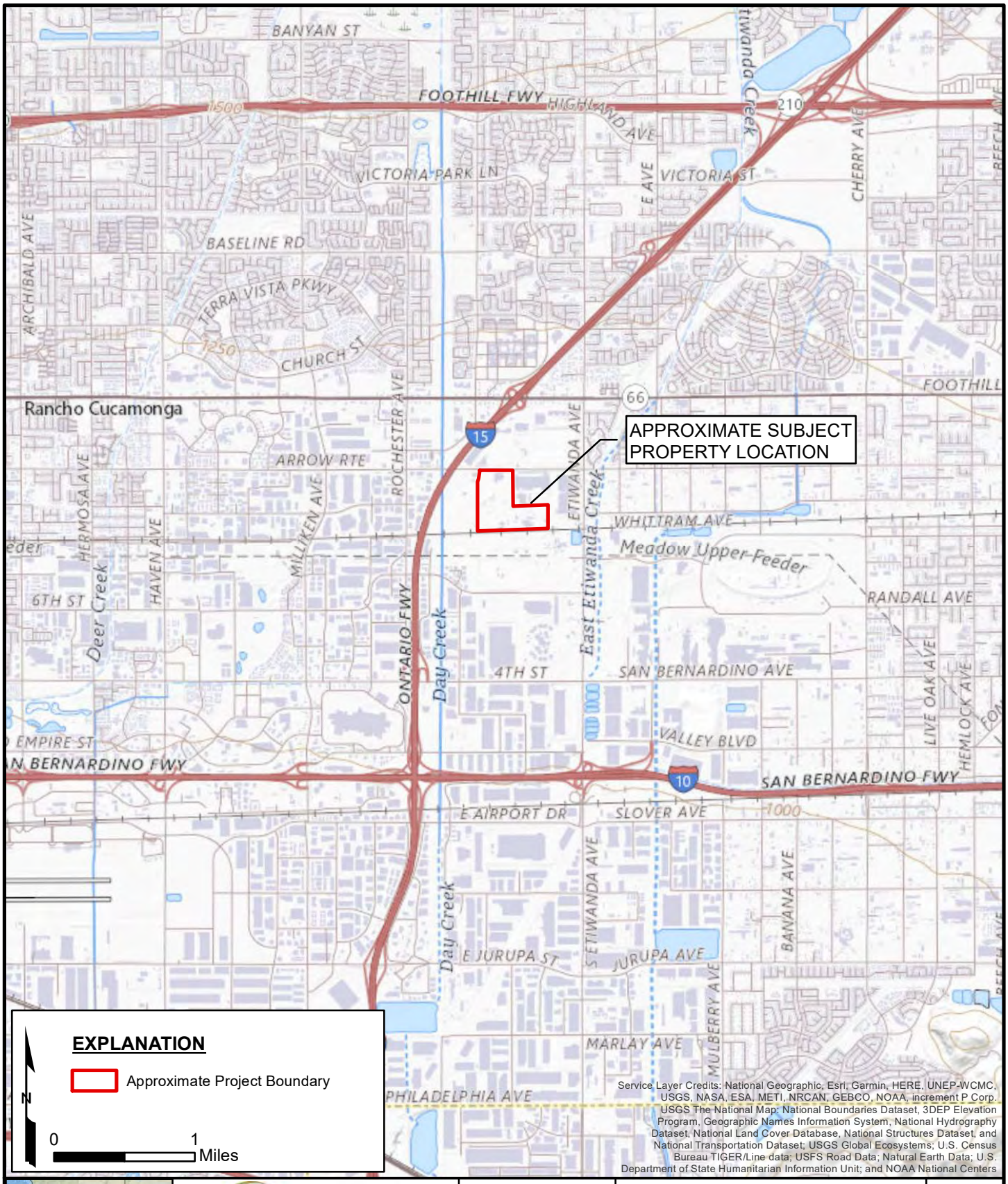
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FIGURES

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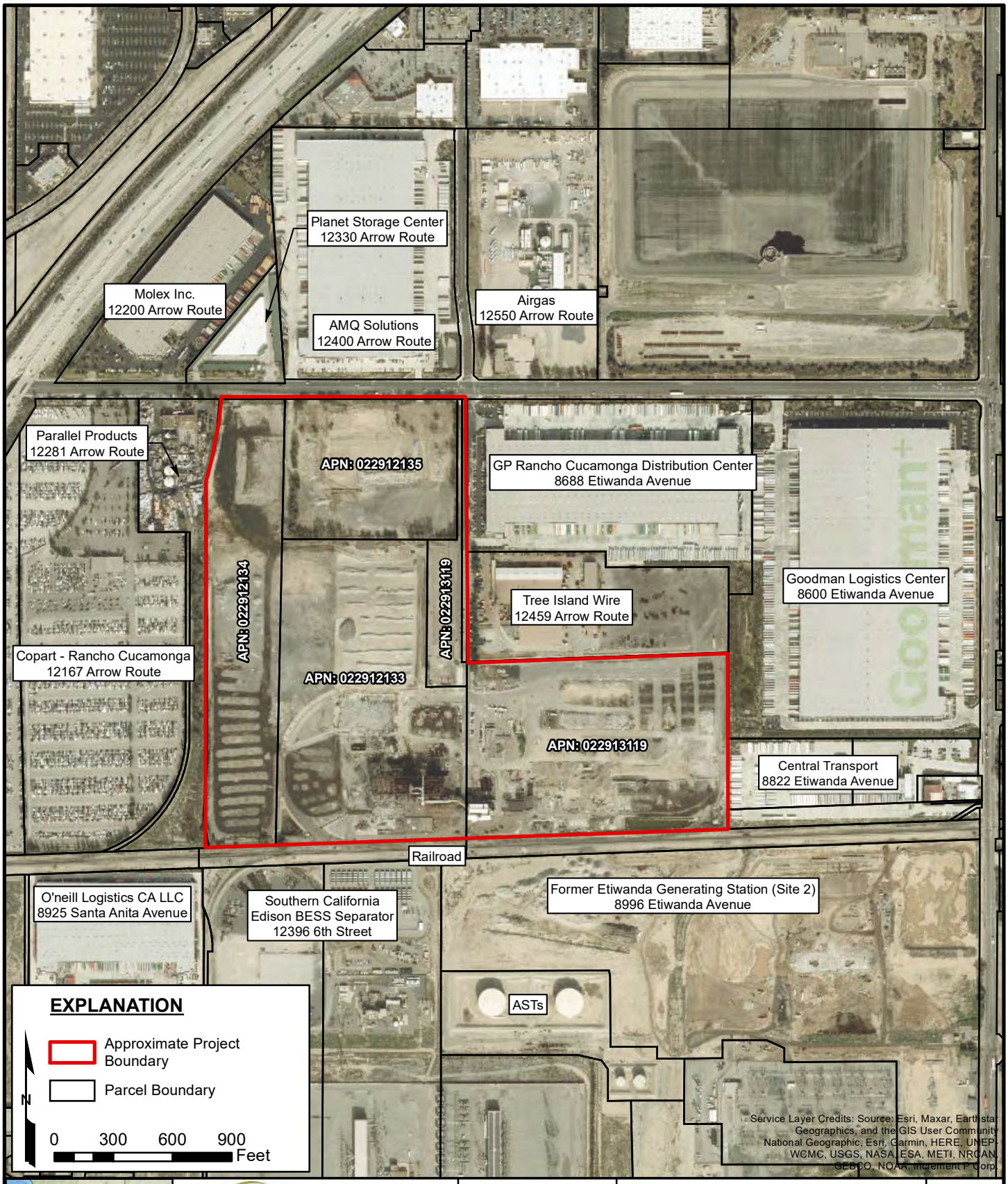
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SUBJECT PROPERTY LOCATION MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
ARROW COMMERCE CENTER PROJECT
ASSESSOR'S PARCEL NUMBERS (APNS)
0229-121-33, 0229-121-34, 0229-121-35, AND 0229-131-19
RANCHO CUCAMONGA, CALIFORNIA 91739

FIGURE
1



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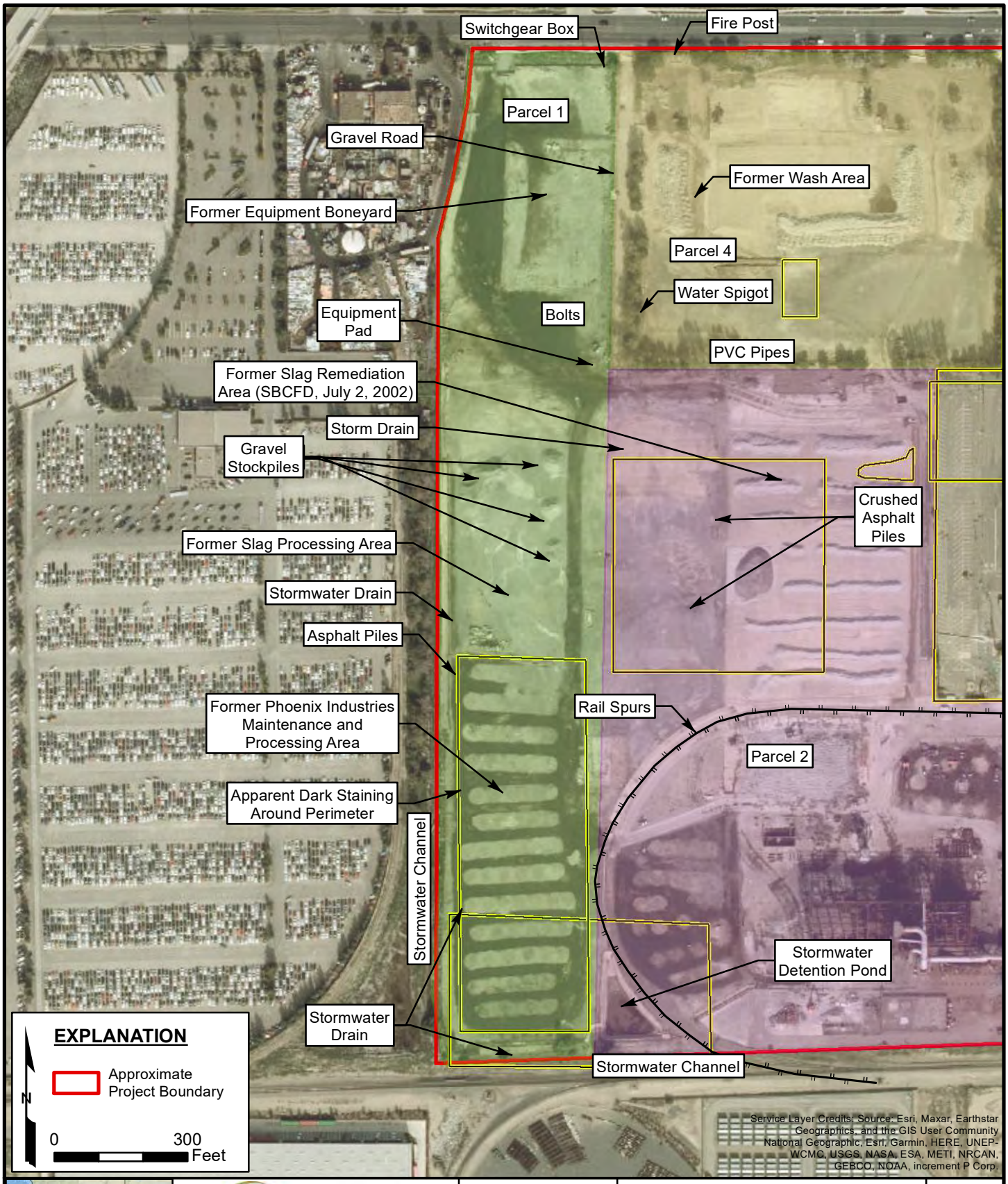
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SURROUNDING PROPERTY MAP

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0229-121-33, 0229-121-34, 0229-121-35, AND 0229-131-19
RANCHO CUCAMONGA, CALIFORNIA 91739

FIGURE
2



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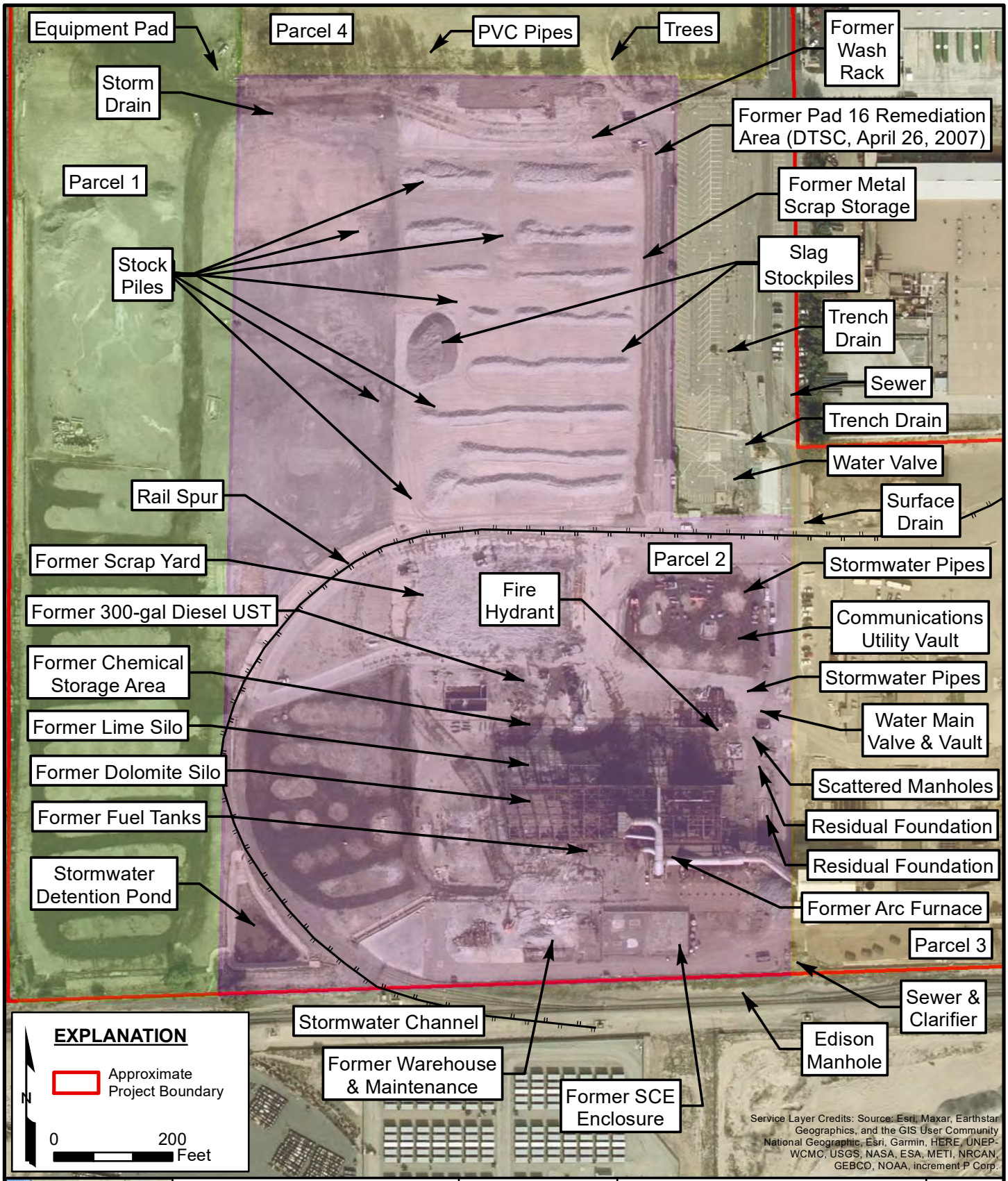
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WEST PARCEL

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RANCHO CUCAMONGA, CALIFORNIA 91739

FIGURE
3



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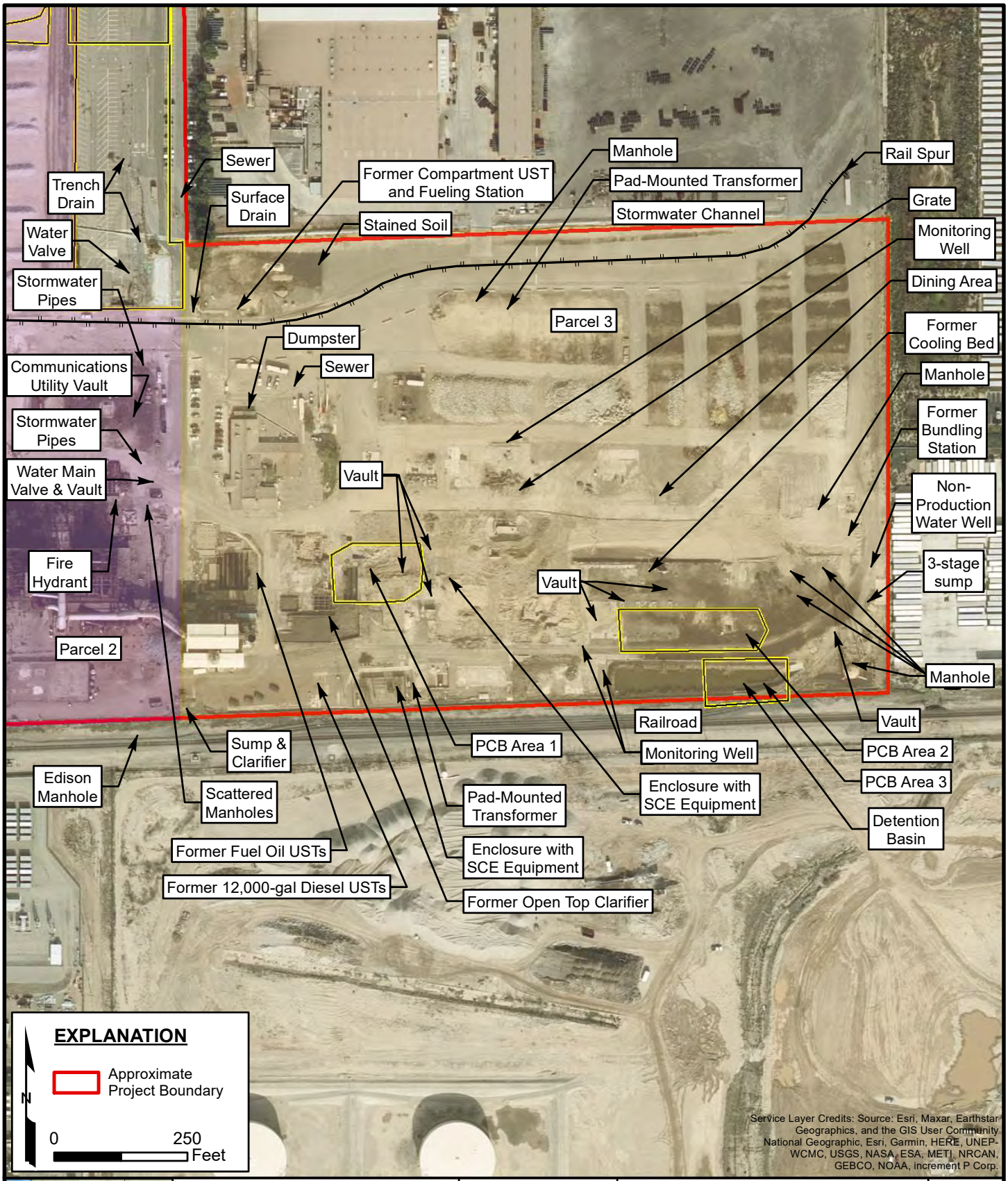
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SOUTH PARCEL

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FIGURE
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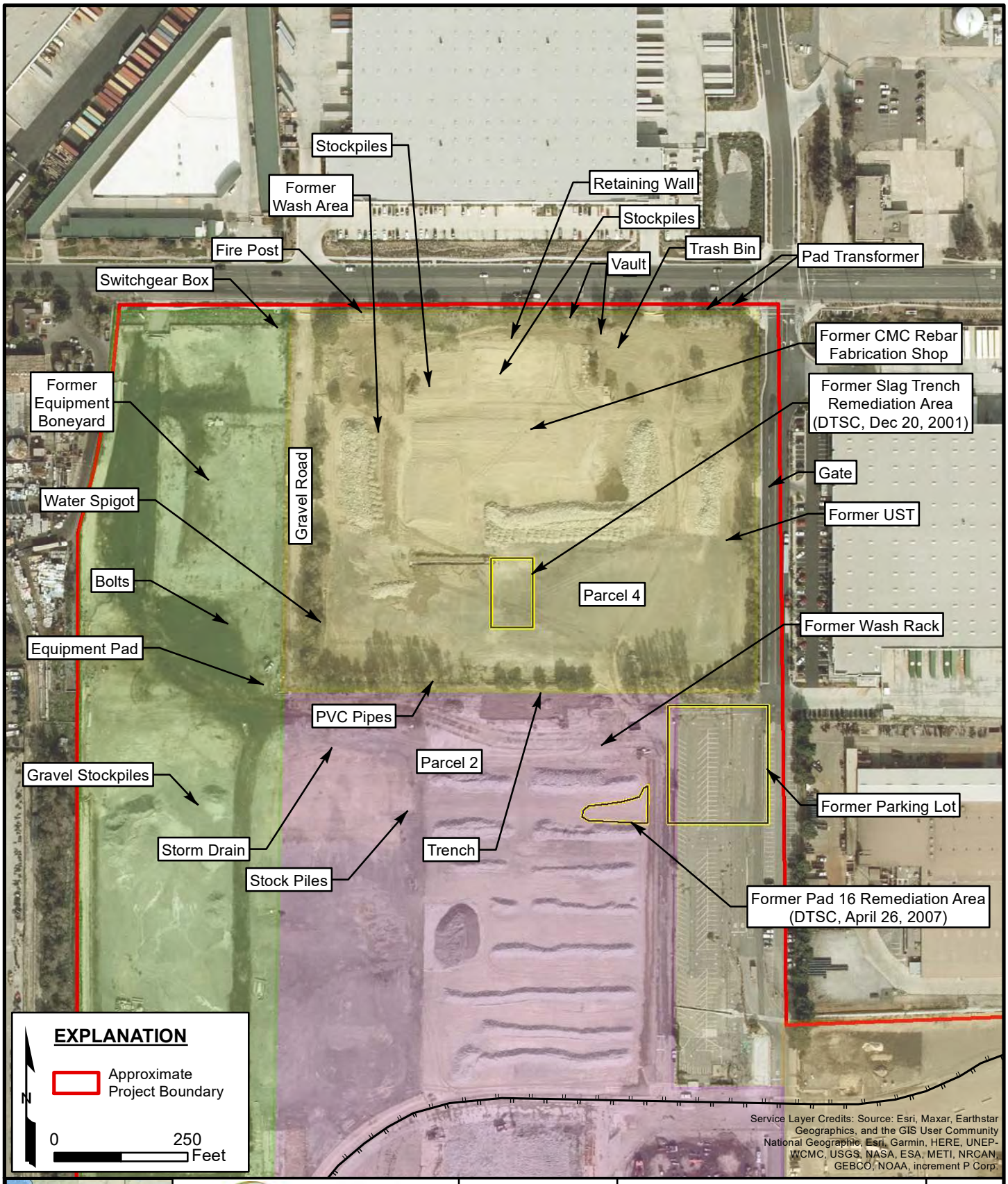
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EAST PARCEL

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FIGURE
5



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NORTH PARCEL

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0229-121-33, 0229-121-34, 0229-121-35, AND 0229-131-19
RANCHO CUCAMONGA, CALIFORNIA 91739

FIGURE
6



PHOTOGRAPH 1 –OVERVIEW OF SUBJECT PROPERTY FROM JUNEBERRY DRIVE LOOKING SOUTH.



PHOTOGRAPH 2 – NORTH BOUNDARY OF SUBJECT PROPERTY FACING WEST FROM THE NORTHEAST CORNER OF ARROW ROUTE AND JUNEBERRY DRIVE.

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PHOTOGRAPH 3 – NORTH BOUNDARY OF THE SUBJECT PROPERTY FROM THE SOUTH END OF JUNEBERRY DRIVE LOOKING EAST.



PHOTOGRAPH 4 – FACING NORTH FROM THE SOUTH END OF JUNEBERRY DRIVE.

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PHOTOGRAPH 5 – FACING NORTH ACROSS EASTERN PORTION OF THE SUBJECT PROPERTY FROM THE SOUTHEAST CORNER.



PHOTOGRAPH 6 – FACING WEST FROM THE SOUTHEAST CORNER OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 7 – FACING SOUTH ALONG WESTERN BOUNDARY OF SUBJECT PROPERTY.



PHOTOGRAPH 8– OVERVIEW OF PARCEL 1 (WEST PARCEL) FROM THE SOUTH LOOKING NORTH.

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PHOTOGRAPH 9 – ASPHALT STOCKPILES IN PARCEL 1 (WEST PARCEL) WITH DARK SOIL STAINING TO THE FRONT.



PHOTOGRAPH 10 – GRAVEL STOCKPILES IN PARCEL 1 (WEST PARCEL) WITH DARK SOIL STAINING TO THE RIGHT.

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PHOTOGRAPH 11 – GRAVEL STOCKPILE IN PARCEL 1 (WEST PARCEL) WITH CONCRETE DEBRIS AND A TIRE (LEFT).



PHOTOGRAPH 12 – NORTH AREA OF PARCEL 1 (WEST PARCEL) (FORMER EQUIPMENT BONEYARD) WITH DARK SOIL STAINING.

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PHOTOGRAPH 13 – WEST STORMWATER CHANNEL WITH A CHAIN LINK FENCE AND TREES IN THE BACKGROUND.



PHOTOGRAPH 14 – NORTHERN FENCE IN PARCEL 1 (WEST PARCEL) WITH ARROW BEHIND.

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PHOTOGRAPH 15 – GRAVEL ROAD ON NORTHEAST PORTION OF PARCEL 1 (WEST PARCEL) LOOKING SOUTH.



PHOTOGRAPH 16 – OVERVIEW OF PARCEL 2 (SOUTH PARCEL), NORTHEASTERN PORTION LOOKING WEST.

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PHOTOGRAPH 17 – PARCEL 2 (SOUTH PARCEL) STOCKPILES.



PHOTOGRAPH 18 – PARCEL 2 (SOUTH PARCEL) STOCKPILES.

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PHOTOGRAPH 19 – PARCEL 2 (SOUTH PARCEL) STOCKPILES OF METAL SCRAP AND SLAG ON CONCRETE PAD.



PHOTOGRAPH 20 – PARCEL 2 (SOUTH PARCEL) RAIL SPUR.

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PHOTOGRAPH 21 – PARCEL 2 (SOUTH PARCEL), FORMER PAD-16 REMEDIATION AND WASH RACK AREA.



PHOTOGRAPH 22 – PARCEL 2 (SOUTH PARCEL), DARK SOIL NEAR THE END OF JUNEBERRY DRIVE WITH A STORAGE CHEST ON LEFT.

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PHOTOGRAPH 23 – SURFACE DRAIN AT THE END OF JUNEBERRY DRIVE, NEAR PARCEL 2 (SOUTH PARCEL).



PHOTOGRAPH 24 – RESIDUAL STORMWATER PIPES AND WATER MAIN VALVE AT THE EAST OF PARCEL 2 (SOUTH PARCEL).

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PHOTOGRAPH 25 – RESIDUAL WATER MAIN AND VAULT AT THE EAST OF PARCEL 2 (SOUTH PARCEL).



PHOTOGRAPH 26 – RESIDUAL FOUNDATION PAD AT THE EAST OF PARCEL 2 (SOUTH PARCEL).

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PHOTOGRAPH 27 – RESIDUAL FOUNDATION PAD IN THE SOUTHEAST PORTION OF PARCEL 2 (SOUTH PARCEL).



PHOTOGRAPH 28 – FORMER SCE ENCLOSURE AT THE SOUTHEAST CORNER OF PARCEL 2 (SOUTH PARCEL).

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PHOTOGRAPH 29 – INTERIOR OF FORMER SCE ENCLOSURE ON PARCEL 2 (SOUTH PARCEL).



PHOTOGRAPH 30 – FORMER WAREHOUSE AND MAINTENANCE AREA IN THE SOUTHERN PORTION OF PARCEL 2 (SOUTH PARCEL).

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PHOTOGRAPH 31 – FORMER ARC FURNACE AREA IN THE SOUTHERN PORTION OF PARCEL 2 (SOUTH PARCEL).



PHOTOGRAPH 32 – STORMWATER CHANNEL IN SOUTHWESTERN PORTION OF PARCEL 2 (SOUTH PARCEL).

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PHOTOGRAPH 33 – RAIL SPURS IN THE SOUTHWESTERN PORTION OF PARCEL 2 (SOUTH PARCEL), CONTINUING SOUTHEAST TOWARD THE SOUTH ADJOINING PROPERTY.



PHOTOGRAPH 34 – STORMWATER DETENTION POND IN THE SOUTHWEST CORNER OF PARCEL 2 (SOUTH PARCEL).

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PHOTOGRAPH 35 – STORMWATER CHANNEL GRATE AREA WITH FENCE ENCLOSURE AND THE SOUTHWEST ADJACENT PROPERTY IN PARCEL 2 (SOUTH PARCEL).



PHOTOGRAPH 36 – EDISON MANHOLE AND PAVED ROAD ON THE SOUTHEAST PORTION OF PARCEL 2 (SOUTH PARCEL) LOOKING NORTH.

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PHOTOGRAPH 37 – OVERVIEW OF PARCEL 3 (EAST PARCEL) FROM THE SOUTHWEST CORNER LOOKING NORTHEAST.



PHOTOGRAPH 38 – SEWER AND CLARIFIER ON THE SOUTHWEST CORNER OF PARCEL 3 (EAST PARCEL).

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PHOTOGRAPH 39 – FORMER UST AND OPEN TOP CLARIFIER AREA IN THE SOUTHWEST PORTION OF PARCEL 3 (EAST PARCEL) WITH THE SCE SWITCHBOARD EQUIPMENT ENCLOSURE (LEFT) AND ADJACENT PROPERTY STOCKPILES (RIGHT).



PHOTOGRAPH 40 – PCB AREA 1 ON THE SOUTHWEST PORTION OF PARCEL 3 (EAST PARCEL) WITH THE SCE SWITCHBOARD EQUIPMENT ENCLOSURE IN THE BACKGROUND.

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PHOTOGRAPH 41 – SOUTHWEST SCE SWITCHBOARD EQUIPMENT ENCLOSURE (REAR) IN PARCEL 3 (EAST PARCEL) NEAR PCB AREA 1 WITH A VAULT (FRONT).



PHOTOGRAPH 42 – SCE SWITCHBOARD EQUIPMENT ENCLOSURE IN THE SOUTHERN PORTION OF PARCEL 3 (EAST PARCEL) WITH A PAD-MOUNTED TRANSFORMER (LEFT).

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PHOTOGRAPH 43 – PAD-MOUNTED TRANSFORMER IN SOUTHWEST SCE SWITCHBOARD EQUIPMENT ENCLOSURE (PARCEL 3/EAST PARCEL).



PHOTOGRAPH 44 – STORMWATER CHANNEL IN THE SOUTHERN PORTION OF PARCEL 3 (EAST PARCEL) WITH THE SCE SWITCHBOARD EQUIPMENT ENCLOSURE (RIGHT).

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PHOTOGRAPH 45 – SVE WELL IN THE SOUTHERN PORTION OF PARCEL 3 (EAST PARCEL) WITH THE SCE SWITCHBOARD EQUIPMENT ENCLOSURE IN THE BACKGROUND (RIGHT).



PHOTOGRAPH 46 – SVE WELL WEST OF PCB AREA 3 IN PARCEL 3 (EAST PARCEL).

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PHOTOGRAPH 47 – PCB AREA 2 IN THE SOUTHEAST CORNER OF PARCEL 3 (EAST PARCEL) WITH DARK SOIL STAINING.



PHOTOGRAPH 48 – PCB AREA 3 IN THE SOUTHEAST CORNER OF PARCEL 3 (EAST PARCEL).

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PHOTOGRAPH 47 – RAIL SPUR IN SOUTHEASTERN PORTION OF PARCEL 3.



PHOTOGRAPH 48 – DETENTION POND IN SOUTHEASTERN PORTION OF PARCEL 3.

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PHOTOGRAPH 49 – FORMER COOLING BED AREA IN THE SOUTHEAST PORTION OF PARCEL 3 (EAST PARCEL).



PHOTOGRAPH 50 – INTERIOR OF COOLING BED AREA IN PARCEL 3 (EAST PARCEL).

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PHOTOGRAPH 51 – ACTIVE DRILLING AREA IN THE CENTER PORTION OF PARCEL 3 (EAST PARCEL) WITH 55-GALLON DRUMS TO THE FRONT.



PHOTOGRAPH 52 –NON-PRODUCTION WATER WELL IN THE SOUTHEAST CORNER OF PARCEL 3 (EAST PARCEL)

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PHOTOGRAPH 53 – THREE-STAGE SUMP IN THE SOUTHEAST CORNER OF PARCEL 3 (EAST PARCEL).



PHOTOGRAPH 54 –MANHOLE AND EQUIPMENT PAD IN THE SOUTHEAST CORNER OF PARCEL 3 (EAST PARCEL)

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PHOTOGRAPH 55 – NON-PRODUCTION WATER WELL IN THE SOUTHEAST CORNER OF PARCEL 3 (EAST PARCEL) WITH THE ADJOINING PROPERTY TO THE REAR.



PHOTOGRAPH 56 – MANHOLE AND EQUIPMENT PAD IN THE SOUTHEAST CORNER OF PARCEL 3 (EAST PARCEL).

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PHOTOGRAPH 57 –EAST STORMWATER CHANNEL ON THE EAST PORTION OF PARCEL 3 (EAST PARCEL) WITH THE EAST ADJACENT PROPERTY IN THE BACKGROUND.



PHOTOGRAPH 58 – RAIL SPUR ON THE NORTHERN PORTION OF PARCEL 3 (EAST PARCEL) LOOKING WEST WITH THE ADJOINING PROPERTY TO THE RIGHT.

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PHOTOGRAPH 59 – PAD-MOUNTED TRANSFORMER IN THE NORTH PORTION OF PARCEL 3 (EAST PARCEL) WITH A MANHOLE IN FOREGROUND.



PHOTOGRAPH 60 – FORMER UST AND FUEL DISPENSER AREA IN THE NORTHWEST CORNER OF PARCEL 3 (EAST PARCEL) WITH SOIL STAINING.

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PHOTOGRAPH 61 – OVERVIEW OF PARCEL 4 (NORTH PARCEL) FROM THE SOUTHWEST CORNER LOOKING EAST.



PHOTOGRAPH 62 – FORMER CMC REBAR FABRICATION SHOP AREA IN THE NORTH PORTION OF PARCEL 4 (NORTH PARCEL), NOW A SOIL STOCKPILE.

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PHOTOGRAPH 63 – SWITCHGEAR BOX IN THE NORTHWEST PORTION OF PARCEL 4 (NORTH PARCEL) ALONG ARROW ROUTE (RIGHT).



PHOTOGRAPH 64 – FIRE POST, NORTH OF PARCEL 4 (NORTH PARCEL) WITH ARROW ROUTE TO THE LEFT.

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PHOTOGRAPH 65 – RETAINING WALL IN THE NORTH PORTION OF PARCEL 4 (NORTH PARCEL).



PHOTOGRAPH 66 – UNDERGROUND UTILITY ON THE NORTH EXTERIOR OF PARCEL 4

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PHOTOGRAPH 67 – BACKFLOW PREVENTORS ON THE NORTHEAST EXTERIOR OF PARCEL 4 (NOTH PARCEL).



PHOTOGRAPH 68 – PAD-MOUNTED TRANSFORMER ON THE NORTHEAST EXTERIOR OF PARCEL 4 (NORTH PARCEL).

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PHOTOGRAPH 69 – PAD-MOUNTED TRANSFORMER ON THE NORTHEAST EXTERIOR OF PARCEL 4 (NORTH PARCEL).



PHOTOGRAPH 70 – COMMERCIAL DEVELOPMENT ON NORTH SIDE OF ARROW ROUTE, NORTH OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 71 – NORTH ADJACENT PROPERTY, PLANET STORAGE CENTER.



PHOTOGRAPH 72 – NORTH ADJACENT PROPERTY, AQM SOLUTIONS.

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PHOTOGRAPH 73 – NORTHEAST ADJACENT PROPERTY, AIRGAS.



PHOTOGRAPH 74 – EAST ADJACENT PROPERTY, GP RANCHO CUCAMONGA DISTRIBUTION CENTER.

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PHOTOGRAPH 75 – NORTHEAST ADJOINING PROPERTY, TREE ISLAND WIRE. STAINING IN NORTHWEST CORNER OF PARCEL 3 IN FOREGROUND.



PHOTOGRAPH 76– NORTHEAST ADJOINING PROPERTY, GOODMAN LOGISTICS CENTER.

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PHOTOGRAPH 77 – EAST ADJOINING PROPERTY, CENTRAL TRANSPORT.



PHOTOGRAPH 78 – SOUTH ADJACENT PROPERTY, FORMER ETIWANDA GENERATING STATION.

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PHOTOGRAPH 79 – SOUTHWEST ADJACENT PROPERTY, SOUTHERN CALIFORNIA BESS SEPARATOR.



PHOTOGRAPH 80 – SOUTHWEST ADJACENT PROPERTY, O'NEILL LOGISTICS CA LLC.

KLEINFELDER *Bright People. Right Solutions.* www.kleinfelder.com	PROJECT NO. 24001017.001A DRAWN: DRAWN BY: CHECKED BY: FILE NAME:	**SUBJECT PROPERTY PHOTOGRAPHS** PHASE I ENVIRONMENTAL SITE ASSESSMENT ARROW COMMERCE CENTER PROJECT ASSESOR'S PARCEL NUMBSER (APNS) 0229-121-33, 0229-121-34, 0229-121-35, AND 0229-131-19 RANCHO CUCAMONGA, CALIFORNIA 91739	FIGURE 47



PHOTOGRAPH 81 – WEST ADJOINING PROPERTY, PARALLEL PRODUCTS.



PHOTOGRAPH 82 – WEST ADJOINING PROPERTY, PARALLEL PRODUCTS.

KLEINFELDER Bright People. Right Solutions. www.kleinfelder.com	PROJECT NO. 24001017.001A DRAWN: DRAWN BY: CHECKED BY: FILE NAME:	**SUBJECT PROPERTY PHOTOGRAPHS** PHASE I ENVIRONMENTAL SITE ASSESSMENT ARROW COMMERCE CENTER PROJECT ASSESOR'S PARCEL NUMBSER (APNS) 0229-121-33, 0229-121-34, 0229-121-35, AND 0229-131-19 RANCHO CUCAMONGA, CALIFORNIA 91739	**FIGURE** **48**

APPENDIX A
Statement of Qualifications

DRAFT

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STATEMENT OF QUALIFICATIONS

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in CFR Part 312.

_____
Lindsey Dandridge-Perry
Senior Professional

_____
Lizanne Simmons, PG 7431
Senior Principal Geologist

The resumes of above-listed environmental professionals performing this Phase I ESA are on file at the Kleinfelder office and are available on request.

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APPENDIX B
Regulatory Agency Database Report

DRAFT

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12343, 12353,12451, 12455, and 12459 Arrow Route
12343, 12353,12451, 12455, and 12459 Arrow Route
Rancho Cucamonga, CA 91739

Inquiry Number: 7435473.2s
September 05, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

12343, 12353,12451, 12455, AND 12459 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

COORDINATES

Latitude (North):	34.0948690 - 34° 5' 41.52''
Longitude (West):	117.5343940 - 117° 32' 3.81''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	450703.4
UTM Y (Meters):	3772609.0
Elevation:	1140 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12015973 GUASTI, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200423
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
12343, 12353,12451, 12455, AND 12459 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TAMCO	12459 ARROW HIGHWAY,	EMI		TP
A2	TAMCO - RANCHO CUCAM	12459 ARROW HIGHWAY	TSCA		TP
A3	ARROW PLANT	12455 ARROW ROUTE	NPDES		TP
A4	TENCO STEEL	12459 ARROW ROUTE -	HAULERS		TP
A5	TAMCO	12459-B ARROW ROUTE	EMI, NPDES		TP
A6	PHOENIX SERVICES LLC	12459-B ARROW RTE	San Bern. Co. Permit		TP
A7	TAMCO	12459 ARROW HWY	PRP		TP
A8	SCE AMERON SUBSTATIO	12459 ARROW RTE	San Bern. Co. Permit		TP
A9	AMERON STEEL AND WIR	12459 ETIWANDA	HIST CORTESE		TP
A10	AMERON PIPE ARROW PL	12455 ARROW RR	SWEEPS UST		TP
A11	SCE-PIPE SUBSTATION	12459 ARROW	AST		TP
A12	AMERON SUBSTATION	12459 ARROW HWY	FINDS, ECHO		TP
A13	TAMCO	12459 ARROW RTE STE	UST		TP
A14	AMERON INTERNATIONAL	12455 ARROW ROUTE	FINDS, ECHO		TP
A15	GERDAU	12459 ARROW ROUTE	FINDS, ECHO		TP
A16	FONTANA STEEL INC	12451 ARROW HWY	UST		TP
A17	TAMCO	12459 ARROW HWY	RGA LUST		TP
A18	TAMCO	12459 ARROW HWY	EMI		TP
A19	T I WIRE	12459 ARROW ROUTE	HAZNET, HWTS		TP
A20	TERVITA US OPERATION	12459-B ARROW RT	FINDS, ECHO		TP
A21	ETIWANDA FACILITY	12455 ARROW ROUTE	FINDS		TP
A22	GOODMAN LOGISTICS CE	12455 ARROW ROUTE	WMUDS/SWAT, HIST UST, DEED, CHMIRS, LDS, ENF, San...		TP
A23	TAMCO	12459-B ARROW ROUTE	HAZNET, HWTS		TP
A24	BTC III ARROW ROUTE	12451 ARROW ROUTE	ENVIROSTOR, VCP, NPDES, San Bern. Co. Permit,...		TP
A25	AMERON SO CA DIV	12455 ARROW RTE	RCRA-SQG, HIST UST		TP
A26	OLYMPIC MILL SERVICE	12459 ARROW RTE	HAZNET, HWTS		TP
A27	CMC REBAR ETIWANDA	12451 ARROW ROUTE	FINDS, ECHO		TP
A28	AMERON INTERNATIONAL	12455 ARROW RTE	HAZNET, HWTS		TP
A29	SOUTHERN CALIFORNIA	12459 ARROW HWY	HWTS		TP
A30	TAMCO	12459 B ARROW ROUTE	SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, LUST,...		TP
A31	GERDAU STEEL	12459 ARROW ROUTE	CIWQS		TP
A32		12459 B ARROW ROUTE	CHMIRS		TP
A33	LOGISTICS EXPRESS IN	12459 ARROW RTE ON T	HAZNET, HWTS		TP
A34	TUBECITY IMS LLC	12459 ARROW HIGHWAY	HAZNET, CERS, HWTS		TP
A35	FONTANA STEEL	12451 ARROW ROUTE	FINDS		TP
A36	TAMCO	12459-B ARROW ROUTE	TSCA, ICIS, US AIRS		TP
A37	AMERON STEEL AND WIR	12459 ARROW HWY	LUST, Cortese		TP
A38	TAMCO INCORPORATED	12459 ARROW HIGHWAY	TSCA		TP
A39	AMERON PIPE DIV, ARR	12455 ARROW RT	AST		TP

MAPPED SITES SUMMARY

Target Property Address:
12343, 12353,12451, 12455, AND 12459 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A40	PHOENIX SERVICES LLC	12459 ARROW ROUTE	HAZNET		TP
A41		12459 ARROW ROUTE	CHMIRS		TP
A42	AMERON STEEL & WIRE	12459 ARROW HWY	EMI		TP
A43	SCE-AMERON SUBSTATIO	12459 ARROW	AST		TP
A44	AMERICAN STEEL AND W	12459 ARROW HIGHWAY	HIST UST, HAZNET, HWTS		TP
A45	SOUTHERN CALIFORNIA	12459 ARROW RTE	HAZNET, HWTS		TP
A46	TERVITA LLC	12459-B ARROW ROUTE	ECHO		TP
A47	PHOENIX SERVICES LLC	12459 B ARROW ROUTE	HWTS		TP
A48	FONTANA STEEL	12451 ARROW RTE	HAZNET, HWTS		TP
A49	I.W.P.A.D., INC.	12459 ARROW HWY	EMI		TP
A50	AMERON INTERNATIONAL	12455 ARROW RT	CERS		TP
A51	UNITED SLAG PROCESSI	12459 ARROW HWY	EMI		TP
A52	AMERON STEEL AND WIR	12459 ARROW HWY	LUST, CERS		TP
A53	SOUTHERN CALIFORNIA	12459 ARROW RTE	HWTS		TP
A54	TI WIRE	12459 ARROW ROUTE	LUST, AST, CHMIRS, NPDES, San Bern. Co. Permit,...		TP
A55	TREE ISLAND WIRE	12459 ARROW HWY	FINDS		TP
A56	AMERION STEEL & WIRE	12459 ARROW HWY	SWEEPS UST, HIST UST		TP
A57		12459 ARROW ROUTE, S	CHMIRS		TP
A58		12459 ARROW ROUTE	CHMIRS		TP
A59	CMC STEEL FABRICATOR	12451 ARROW ROUTE	HAZNET, HWTS		TP
A60	CMC REBAR ETIWANDA	12451 ARROW RTE	UST		TP
A61	TAMCO INCORPORATED	12459 ARROW HIGHWAY	ICIS, FINDS, ECHO		TP
A62	PHOENIX SERVICES LLC	12459 ARROW ROUTE	HWTS		TP
A63	TAMCO	12459 ARROW HWY.	EMI		TP
A64		12459 ARROW HWY	CHMIRS		TP
A65	CMC STEEL FABRICATOR	12451 ARROW ROUTE	FINDS, ECHO		TP
A66	PHOENIX SERVICES LLC	12459 B ARROW ROUTE	RCRA NonGen / NLR		TP
A67	AMERON CONCRETE & ST	12455 ARROW RTE	EMI		TP
A68	CMC CALIFORNIA STEEL	12459 ARROW ROUTE	NPDES, CIWQS		TP
A69	TERVITA LLC	12459-B ARROW ROUTE	EMI, CERS		TP
A70	PHOENIX SERVICES LLC	12459 ARROW ROUTE	FINDS, ECHO		TP
A71	TAMCO STEEL	12459 ARROW HIGHWAY	PRP		TP
A72	TERVITA LLC	12459-B ARROW ROUTE	ICIS		TP
A73	CMC REBAR ETIWANDA	12451 ARROW RTE	TRIS, FINDS, ECHO		TP
A74	T.I. WIRE	12459 ARROW ROUTE	RCRA-LQG		TP
A75	CMC STEEL FABRICATOR	12451 ARROW ROUTE	RCRA NonGen / NLR		TP
A76	PHOENIX METAL SERVIC	12459 ARROW ROUTE	HAULERS		TP
A77	1X TAMCO_STEEL	12459 ARROW	HWTS		TP
A78	GOODMAN RANCHO SPE L	12455 ARROW RTE	HAZNET, HWTS		TP

MAPPED SITES SUMMARY

Target Property Address:
12343, 12353,12451, 12455, AND 12459 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A79	UNITED SLAG PROCESSI	12459 ARROW HIGHWAY	HWTS		TP
A80	BTC III ARROW ROUTE	12451 ARROW ROUTE	NPDES, CIWQS, CERS		TP
A81	TAMCO	12459-B ARROW ROUTE	CIWQS		TP
A82	SOUTHERN CALIFORNIA	12459 ARROW RTE	HWTS		TP
A83	TERVITA LLC	12459B ARROW RTE	RCRA NonGen / NLR		TP
A84		12459 ARROW ROOT	CHMIRS		TP
A85	TAMCO	12459 B ARROW RTE	NPDES, CIWQS		TP
A86	PIPE SUBSTATION	12459 ARROW HWY	RCRA NonGen / NLR		TP
A87	AMERON INTERNATIONAL	12455 ARROW ROUTE	FINDS		TP
A88		12459 B ARROW ROUTE	CHMIRS		TP
A89	TERVITA (US OPERATIO	12459-B ARROW ROUTE	EMI		TP
A90	TERVITA LLC	12459-B ARROW ROUTE	FINDS		TP
A91	TAMCO	12459 ARROW HWY	EMI		TP
A92	TAMCO	12459 B ARROW RTE	FINDS, ECHO		TP
A93	TAMCO	12459 ARROW HIGHWAY	RGA LUST		TP
A94	AMERON INTERNATIONAL	12455 ARROW RTE	FINDS		TP
A95	AMERON SUBSTATION	12459 ARROW HWY	RCRA NonGen / NLR		TP
A96	TAMCO	12459 ARROW RT	AST, WDS		TP
A97	TAMCO	12459 ARROW RT STE B	CERS		TP
A98	TAMCO	12459 ARROW RTE STE	AST, San Bern. Co. Permit		TP
A99	SCE PIPE SUBSTATION	12459 ARROW RTE	San Bern. Co. Permit, CERS		TP
A100	NATIONAL OILWELL VAR	12455 ARROW RTE	HAZNET, HWTS		TP
A101	IWPAD INC	12459 ARROW RTE	WDS		TP
A102	I.W.P.A.D., INC.	12459 ARROW HWY	EMI		TP
A103	AMERON INTL CONCRETE	12455 ARROW ROUTE	HAZNET, HWTS		TP
B104	PARALLEL PRODUCTS OF		PFAS ECHO	Higher	46, 0.009, NNW
C105	STEELCASE RANCHO	12400 ARROW RTE	San Bern. Co. Permit, CERS	Higher	107, 0.020, North
C106	STEELCASE INC.	12400 ARROW RTE	RCRA NonGen / NLR	Higher	107, 0.020, North
B107	PARALLEL PRODUCTS	12281 ARROW ROUTE	CPS-SLIC, HIST UST, ICIS, US AIRS, EMI	Higher	197, 0.037, NNW
B108	DBA BROOKSIDE VINEYA	12281 ARROW RTE	HIST UST	Higher	197, 0.037, NNW
B109	PARALLEL PRODUCTS	12281 ARROW RR	SWEEPS UST, CA FID UST	Higher	197, 0.037, NNW
B110	PARALLEL PRODUCTS	12281 ARROW ROUTE	RCRA-LQG	Higher	197, 0.037, NNW
B111	USL PARALLEL PRODUCT	12281 ARROW ROUTE	FUELS PROGRAM	Higher	197, 0.037, NNW
B112	PARALLEL PRODUCTS OF	12281 ARROW RTE	AST	Higher	197, 0.037, NNW
B113	PARALLEL PRODUCTS	12281 ARROW RTE	CERS HAZ WASTE, ENF, NPDES, San Bern. Co. Permit,...	Higher	197, 0.037, NNW
D114	TAMCO	12549 ARROW HIGHWAY	ENVIROSTOR	Higher	254, 0.048, NNE
D115	BIG THREE INDUSTRIES	12550 ARROW RR	SWEEPS UST	Higher	273, 0.052, NNE
D116	AIR LIQUIDE CORP	12550 ARROW	RCRA-SQG, ICIS, US AIRS, FINDS, ECHO	Higher	273, 0.052, NNE
E117	PARALLEL PRODUCTS	12281 ARROW HIGHWAY	FTTS, HIST FTTS, PFAS ECHO	Higher	330, 0.062, NW

MAPPED SITES SUMMARY

Target Property Address:
12343, 12353,12451, 12455, AND 12459 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D118	AIR LIQUIDE CORP		PFAS ECHO	Higher	359, 0.068, NNE
D119	AIR LIQUIDE AMERICA	12550 ARROW RTE	HIST UST, WDS	Higher	421, 0.080, NNE
D120	AIR LIQUIDE INDUSTRI	12550 ARROW RTE	RCRA NonGen / NLR	Higher	421, 0.080, NNE
D121	AIR LIQUIDE	12550 ARROW RTE	LUST, Cortese	Higher	421, 0.080, NNE
D122	AIRGAS USA, LLC	12550 ARROW RTE	RCRA NonGen / NLR	Higher	421, 0.080, NNE
D123	AIR LIQUIDE	12550 ARROW RTE	LUST, AST, NPDES, San Bern. Co. Permit, CIWQS,...	Higher	421, 0.080, NNE
D124	AIR LIQUIDE	12550 ARROW RT	HIST CORTESE	Higher	421, 0.080, NNE
D125	SCE REDUCTION SUBSTA	12550 ARROW RTE	San Bern. Co. Permit, CERS	Higher	421, 0.080, NNE
D126	AIR LIQUIDE INDUSTRI	12550 ARROW ROUTE	HIST UST, HAZNET, HWTS	Higher	421, 0.080, NNE
D127	AIRGAS USA, LLC	12550 ARROW RTE	CERS HAZ WASTE, San Bern. Co. Permit, CERS	Higher	421, 0.080, NNE
E128	CUSTOM GOODS, LLC RA	12200 ARROW RTE	San Bern. Co. Permit, CERS	Higher	489, 0.093, NW
E129	AMERICAN BUILDING SU	12200 ARROW RTE	San Bern. Co. Permit	Higher	489, 0.093, NW
F130	TRAC DIV TANNER CO	12167 ARROW HWY	CERS HAZ WASTE, SWEEPS UST, HIST UST, LDS, San...	Higher	557, 0.105, WNW
F131	SOIL TREATMENT, RANC	12167 ARROW ROUTE	WMUDS/SWAT	Higher	557, 0.105, WNW
F132	COPART (97)	12167 ARROW RTE	RCRA NonGen / NLR	Higher	557, 0.105, WNW
G133	AMERON INTERNATIONAL		PFAS ECHO	Higher	670, 0.127, NE
G134	AIR LIQUIDE HEALTHCA	12640 ARROW RTE	RCRA-SQG, FINDS, ECHO	Higher	833, 0.158, NE
H135	BERNELL HYDRAULICS I	8810 ETIWANDA AVE	RCRA NonGen / NLR	Lower	1117, 0.212, East
H136	BERNELL HYDRAULICS,	8810 ETIWANDA AVENUE	RCRA NonGen / NLR	Lower	1117, 0.212, East
H137	BERNELL HYDRAULICS I	8810 ETIWANDA AVENUE	RCRA-SQG, FINDS, ECHO	Lower	1117, 0.212, East
H138	BERNELL HYDRAULICS	8810 ETIWANDA AVENUE	ENVIROSTOR, AST, VCP, CERS HAZ WASTE, CERS TANKS,..	Lower	1117, 0.212, East
139	TANNER COMPANY TPAC	12167 ARROW HWY	HIST UST	Higher	1152, 0.218, NW
H140	DP ETIWANDA	8822 ETIWANDA AVENUE	ENVIROSTOR, VCP, DEED, CHMIRS, EMI, HAZNET, NPDES,..	Lower	1302, 0.247, East
H141	DP ETIWANDA	8822 ETIWANDA AVE	RCRA-LQG	Lower	1302, 0.247, East
H142	SA RECYCLING	8822 ETIWANDA AVE	AST, HAZNET, CIWQS, HWTS	Lower	1302, 0.247, East
H143	SIMSMETAL AMERICA	8822 ETIWANDA AVE	RCRA-SQG, SWEEPS UST, HIST UST, FINDS, ECHO, EMI,...	Lower	1302, 0.247, East
H144	SA RECYCLING	8822 ETIWANDA AVE	RCRA NonGen / NLR	Lower	1302, 0.247, East
H145	DP ETIWANDA	8822 ETIWANDA AVENUE	RCRA-SQG	Lower	1302, 0.247, East
I146	GEORGIA-PACIFIC	8688 ETIWANDA AVENUE	RCRA NonGen / NLR	Higher	1311, 0.248, East
I147	NATIONAL DISTRIBUTIO	8688 ETIWANDA AVE	RCRA NonGen / NLR	Higher	1311, 0.248, East
I148	NATIONAL DISTRIBUTIO	8688 ETIWAND AVE	NPDES, San Bern. Co. Permit, CERS	Higher	1311, 0.248, East
I149	GEORGIA PACIFIC	8688 ETIWANDA AVE	RCRA NonGen / NLR	Higher	1311, 0.248, East
J150	GENERATING STATION,E	8996 ETIWANDA AVENUE	WMUDS/SWAT, CHMIRS	Lower	1472, 0.279, ESE
J151	SOUTHERN CALIFORNIA	8998 ETIWANDA AVENUE	ENVIROSTOR, San Bern. Co. Permit	Lower	1476, 0.280, ESE
J152	ETIWANDA PUMPING STA	8998 ETIWANDA AVE	HWP, HAZNET, HWTS	Lower	1476, 0.280, ESE
J153	EPTC ETIWANDA	8998 ETIWANDA AVE	CORRACTS, RCRA NonGen / NLR	Lower	1476, 0.280, ESE
154	FOSECO CUCAMONGA	7TH ST OFF ROCHESTER	SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, HIST UST	Lower	1716, 0.325, SW
155	ALL STATE RECYCLING	8949 ETIWANDA AVENUE	CPS-SLIC, CERS	Lower	1816, 0.344, ESE
156	PACIFIC RECYCLING EN	13012 WITTRAM AVE.	SEMS-ARCHIVE	Lower	2304, 0.436, East

MAPPED SITES SUMMARY

Target Property Address:
12343, 12353,12451, 12455, AND 12459 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K157	INLAND EMPIRE REGION		LOS ANGELES CO LF METHANE	Lower	2420, 0.458, SSE
K158	INLAND EMPIRE REGION	12645 6TH ST.	SWF/LF, HAZNET, HWTS	Lower	2459, 0.466, SSE
K159	INLAND EMPIRE REGION	12645 SIXTH STREET	SWF/LF	Lower	2459, 0.466, SSE
L160	STERLING CAN	8939 ETIWANDA AVENUE	CPS-SLIC, CERS	Lower	2504, 0.474, ESE
L161	STERLING CAN	8939 ETIWANDA AVENUE	CPS-SLIC	Lower	2504, 0.474, ESE
162	VISTA METALS CORP.	13425 WHITTRAM AVENU	ENVIROSTOR, UST, AST, CERS HAZ WASTE, SWEEPS UST,.	Lower	4764, 0.902, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
TAMCO 12459 ARROW HIGHWAY, RANCHO CUCAMONGA, CA 91739	EMI Facility Id: 18931	N/A
TAMCO - RANCHO CUCAM 12459 ARROW HIGHWAY RANCHO CUCAMONGA, CA 91739	TSCA	N/A
ARROW PLANT 12455 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	NPDES	N/A
TENCO STEEL 12459 ARROW ROUTE - RANCHO CUCAMONGA, CA 91739	HAULERS Facility ID: 1915474	N/A
TAMCO 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	EMI Facility Id: 18931 NPDES	N/A
PHOENIX SERVICES LLC 12459-B ARROW RTE RANCHO CUCAMONGA, CA 91739	San Bern. Co. Permit Facility Status: INACTIVE Facility Id: FA0018035	N/A
TAMCO 12459 ARROW HWY ETIWANDA, CA 91739	PRP	N/A
SCE AMERON SUBSTATIO 12459 ARROW RTE RANCHO CUCAMONGA, CA 91739	San Bern. Co. Permit Facility Status: INACTIVE Facility Id: FA0000989	N/A
AMERON STEEL AND WIR 12459 ETIWANDA ETIWANDA, CA 91769	HIST CORTESE Reg Id: 083600432T	N/A
AMERON PIPE ARROW PL 12455 ARROW RR ETIWANDA, CA 91739	SWEEPS UST	N/A

Status: A
Tank Status: A
Comp Number: 28207

SCE-PIPE SUBSTATION
12459 ARROW
RANCHO CUCAMONGA, CA

AST
Database: AST, Date of Government Version: 07/06/2016

N/A

AMERON SUBSTATION
12459 ARROW HWY
ETIWANDA, CA 91739

FINDS
Registry ID:: 110018988274
Registry ID:: 110070845289

ECHO
Registry ID: 110070845289

N/A

TAMCO
12459 ARROW RTE STE
RANCHO CUCAMONGA, CA 91739

UST
Database: UST, Date of Government Version: 06/05/2023
Facility Id: FA0006582

N/A

AMERON INTERNATIONAL
12455 ARROW ROUTE
ETIWANDA, CA 91739

FINDS
Registry ID:: 110000770489

ECHO
Registry ID: 110000770489

N/A

GERDAU
12459 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

FINDS
Registry ID:: 110070308302
Registry ID:: 110070089456

ECHO
Registry ID: 110070089456

N/A

FONTANA STEEL INC
12451 ARROW HWY
RANCHO CUCAMONGA, CA 91739

UST
Database: UST, Date of Government Version: 06/05/2023
Facility Id: 89018295

N/A

TAMCO
12459 ARROW HWY
RANCHO CUCAMONGA, CA

RGA LUST

N/A

TAMCO
12459 ARROW HWY
ETIWANDA, CA 91739

EMI
Facility Id: 18931

N/A

T I WIRE
12459 ARROW ROUTE
ETIWANDA, CA 91739

HAZNET

N/A

	GEPAID: CAD008288102 HWTS	
TERVITA US OPERATION 12459-B ARROW RT RANCHO CUCAMONGA, CA 91739	FINDS Registry ID:: 110031018949 ECHO Registry ID: 110031018949	N/A
ETIWANDA FACILITY 12455 ARROW ROUTE ETIWANDA, CA 91739	FINDS Registry ID:: 110065384569	N/A
GOODMAN LOGISTICS CE 12455 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	WMUDS/SWAT HIST UST DEED Status: COMPLETED - CASE CLOSED Envirostor ID: T10000003511 CHMIRS OES Incident Number: 08-3271 OES Incident Number: 12-2072 LDS Global Id: T10000003511 Status: Completed - Case Closed ENF Status: Historical Status: Active Status: Historical Facility Id: 222993 San Bern. Co. Permit Facility Status: INACTIVE Facility Id: FA0000929 WDS Facility Status: A Facility Id: 8 36I007020 Facility Id: 8 362001001 CIWQS CERS	N/A
TAMCO 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	HAZNET GEPAID: CAD982361404 HWTS	N/A
BTC III ARROW ROUTE 12451 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	ENVIROSTOR Facility Id: 36340066 Status: Active VCP	N/A

	Status: Active Facility Id: 36340066 NPDES Facility Status: Terminated San Bern. Co. Permit Facility Status: INACTIVE Facility Id: FA0003266 CIWQS CERS	
AMERON SO CA DIV 12455 ARROW RTE ETIWANDA, CA 91739	RCRA-SQG EPA ID:: CAT080033202 HIST UST Facility Id: 00000028207	CAT080033202
OLYMPIC MILL SERVICE 12459 ARROW RTE RANCHO CUCAMONGA, CA 91739	HAZNET GEPAID: CAL000235068 HWTS	N/A
CMC REBAR ETIWANDA 12451 ARROW ROUTE ETIWANDA, CA 91739	FINDS Registry ID:: 110008061649 ECHO Registry ID: 110008061649	N/A
AMERON INTERNATIONAL 12455 ARROW RTE ETIWANDA, CA 91739	HAZNET GEPAID: CAC002598872 HWTS	N/A
SOUTHERN CALIFORNIA 12459 ARROW HWY ETIWANDA, CA 91739	HWTS	N/A
TAMCO 12459 B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	SEMS-ARCHIVE Site ID: 0904936 EPA Id: CAD982361404 RCRA-SQG EPA ID:: CAD982361404 ENVIROSTOR Facility Id: 36340064 Status: No Further Action LUST Database: LUST REG 8, Date of Government Version: 02/14/2005 Global ID: T0607100309 Facility Status: Case Closed CPS-SLIC Database: SLIC REG 8, Date of Government Version: 04/03/2008 Database: CPS-SLIC, Date of Government Version: 06/05/2023	CAD982361404

	Facility Status: Completed - Case Closed Global Id: SLT8R1914124 Facility Status: Closed	
	UST Database: UST, Date of Government Version: 06/05/2023 Facility Id: 86008874	
	VCP Status: No Further Action Facility Id: 36340064	
	CERS HAZ WASTE SWEEPS UST Status: A Tank Status: A Comp Number: 8874	
	HIST UST Facility Id: 00000015449	
	EPA WATCH LIST Facility ID: CAD982361404	
	Cortese Cleanup Status: COMPLETED - CASE CLOSED	
	HIST CORTESE Reg Id: 083602379T	
	San Bern. Co. Permit Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0003904 Facility Id: FA0005052	
	CERS	
GERDAU STEEL 12459 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	CIWQS	N/A
12459 B ARROW ROUTE 12459 B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	CHMIRS OES Incident Number: 18-1976	N/A
LOGISTICS EXPRESS IN 12459 ARROW RTE ON T RANCHO CUCAMONGA, CA 91739	HAZNET GEPAID: CAC002601651	N/A
	HWTS	
TUBECITY IMS LLC 12459 ARROW HIGHWAY RANCHO CUCAMONGA, CA 91739	HAZNET GEPAID: CAC003082971 GEPAID: CAL000349774	N/A
	CERS HWTS	
FONTANA STEEL 12451 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	FINDS	N/A

EXECUTIVE SUMMARY

Registry ID:: 110064241002

TAMCO 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	TSCA ICIS FRS ID:: 110000477788 US AIRS Database: US AIRS (AFS), Date of Government Version: 10/12/2016 EPA plant ID:: 110000477788	N/A
AMERON STEEL AND WIR 12459 ARROW HWY ETIWANDA, CA 91769	LUST Database: LUST REG 8, Date of Government Version: 02/14/2005 Global ID: T0607100046 Facility Status: Case Closed Cortese Cleanup Status: COMPLETED - CASE CLOSED	N/A
TAMCO INCORPORATED 12459 ARROW HIGHWAY RANCHO CUCAMONGA, CA 91739	TSCA	N/A
AMERON PIPE DIV, ARR 12455 ARROW RT RANCHO CUCAMONGA, CA	AST Database: AST, Date of Government Version: 07/06/2016	N/A
PHOENIX SERVICES LLC 12459 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	HAZNET GEPAID: CAL000436116	N/A
12459 ARROW ROUTE 12459 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	CHMIRS OES Incident Number: 4-0792	N/A
AMERON STEEL & WIRE 12459 ARROW HWY ETIWANDA, CA 91739	EMI Facility Id: 14434	N/A
SCE-AMERON SUBSTATIO 12459 ARROW RANCHO CUCAMONGA, CA	AST Database: AST, Date of Government Version: 07/06/2016	N/A
AMERICAN STEEL AND W 12459 ARROW HIGHWAY ETIWANDA, CA 91739	HIST UST HAZNET	N/A

	GEPAID: CAC000710224 HWTS	
SOUTHERN CALIFORNIA 12459 ARROW RTE RANCHO CUCAMONGA, CA 91739	HAZNET GEPAID: CAC002614812 HWTS	N/A
TERVITA LLC 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	ECHO Registry ID: 110056294905	N/A
PHOENIX SERVICES LLC 12459 B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	HWTS	N/A
FONTANA STEEL 12451 ARROW RTE ETIWANDA, CA 91739	HAZNET GEPAID: CAL000181936 HWTS	N/A
I.W.P.A.D., INC. 12459 ARROW HWY ETIWANDA, CA 91739	EMI Facility Id: 14434	N/A
AMERON INTERNATIONAL 12455 ARROW RT ETIWANDA, CA 91739	CERS	N/A
UNITED SLAG PROCESSI 12459 ARROW HWY RANCHO CUCAMONGA, CA 91739	EMI Facility Id: 100547	N/A
AMERON STEEL AND WIR 12459 ARROW HWY ETIWANDA, CA 91769	LUST Database: LUST, Date of Government Version: 06/05/2023 Status: Completed - Case Closed Global Id: T0607100046 CERS	N/A
SOUTHERN CALIFORNIA 12459 ARROW RTE ETIWANDA, CA 91739	HWTS	N/A

EXECUTIVE SUMMARY

TI WIRE 12459 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	LUST Database: LUST, Date of Government Version: 06/05/2023 Status: Completed - Case Closed Global Id: T0607100309 AST Database: AST, Date of Government Version: 07/06/2016 CHMIRS OES Incident Number: 7-1917 NPDES Facility Status: Active San Bern. Co. Permit Facility Status: INACTIVE Facility Id: FA0014680 CIWQS CERS	N/A
TREE ISLAND WIRE 12459 ARROW HWY RANCHO CUCAMONGA, CA 91730	FINDS Registry ID:: 110070332453	N/A
AMERION STEEL & WIRE 12459 ARROW HWY ETIWANDA, CA 91739	SWEEPS UST Status: A Tank Status: A Comp Number: 18067 HIST UST Facility Id: 00000018067	N/A
12459 ARROW ROUTE, S 12459 ARROW ROUTE, S RANCHO CUCAMONGA, CA	CHMIRS OES Incident Number: 5-4447	N/A
12459 ARROW ROUTE 12459 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	CHMIRS OES Incident Number: 08-6107	N/A
CMC STEEL FABRICATOR 12451 ARROW ROUTE ETIWANDA, CA 91739	HAZNET GEPAID: CAL000120760 HWTS	N/A
CMC REBAR ETIWANDA 12451 ARROW RTE RANCHO CUCAMONGA, CA 91739	UST Database: UST, Date of Government Version: 06/05/2023 Facility Id: FA0003266	N/A
TAMCO INCORPORATED 12459 ARROW HIGHWAY RANCHO CUCAMONGA, CA 91739	ICIS	N/A

	FRS ID:: 110000477788 FINDS Registry ID:: 110000477788 ECHO Registry ID: 110000477788	
PHOENIX SERVICES LLC 12459 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	HWTS	N/A
TAMCO 12459 ARROW HWY. RANCHO CUCAMONGA, CA 91739	EMI Facility Id: 18931	N/A
12459 ARROW HWY 12459 ARROW HWY EDIWANDA, CA	CHMIRS OES Incident Number: 910127 Date Completed: 17-FEB-89	N/A
CMC STEEL FABRICATOR 12451 ARROW ROUTE ETIWANDA, CA 91739	FINDS Registry ID:: 110070450021 ECHO Registry ID: 110070450021	N/A
PHOENIX SERVICES LLC 12459 B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	RCRA NonGen / NLR EPA ID:: CAL000436116	CAL000436116
AMERON CONCRETE & ST 12455 ARROW RTE ETIWANDA, CA 91739	EMI Facility Id: 15506	N/A
CMC CALIFORNIA STEEL 12459 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	NPDES CIWQS	N/A
TERVITA LLC 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	EMI Facility Id: 172593 CERS	N/A
PHOENIX SERVICES LLC 12459 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	FINDS Registry ID:: 110070485275	N/A

	Registry ID:: 110066066991 ECHO Registry ID: 110070485275	
TAMCO STEEL 12459 ARROW HIGHWAY ETIWANDA, CA 91739	PRP	N/A
TERVITA LLC 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	ICIS FRS ID:: 110056294905	N/A
CMC REBAR ETIWANDA 12451 ARROW RTE ETIWANDA, CA 91739	TRIS TRIS ID: 91739FNTNS12451 FINDS Registry ID:: 110070089499 Registry ID:: 110070344634 ECHO Registry ID: 110070089499	91739FNTNS12451
T.I. WIRE 12459 ARROW ROUTE ETIWANDA, CA 91739	RCRA-LQG EPA ID:: CAD008288102	CAD008288102
CMC STEEL FABRICATOR 12451 ARROW ROUTE ETIWANDA, CA 91739	RCRA NonGen / NLR EPA ID:: CAL000120760	CAL000120760
PHOENIX METAL SERVIC 12459 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	HAULERS Facility ID: 1911044	N/A
1X TAMCO_STEEL 12459 ARROW RANCHO CUCAMONGA, CA 91739	HWTS	N/A
GOODMAN RANCHO SPE L 12455 ARROW RTE RANCHO CUCAMONGA, CA 91739	HAZNET GEPAID: CAC002774661 HWTS	N/A
UNITED SLAG PROCESSI 12459 ARROW HIGHWAY RANCHO CUCAMONGA, CA 91739	HWTS	N/A

EXECUTIVE SUMMARY

BTC III ARROW ROUTE 12451 ARROW ROUTE RANCHO CUCAMONGA, CA 91739	NPDES Facility Status: Active CIWQS CERS	N/A
TAMCO 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	CIWQS	N/A
SOUTHERN CALIFORNIA 12459 ARROW RTE ETIWANDA, CA 91739	HWTS	N/A
TERVITA LLC 12459B ARROW RTE RANCHO CUCAMONGA, CA 91739	RCRA NonGen / NLR EPA ID:: CAL000385141	CAL000385141
12459 ARROW ROOT 12459 ARROW ROOT RANCHO CUCAMONGA, CA	CHMIRS OES Incident Number: 3-3466	N/A
TAMCO 12459 B ARROW RTE RANCHO CUCAMONGA, CA 91739	NPDES Facility Status: Terminated CIWQS	N/A
PIPE SUBSTATION 12459 ARROW HWY ETIWANDA, CA 91739	RCRA NonGen / NLR EPA ID:: CAC003082971	CAC003082971
AMERON INTERNATIONAL 12455 ARROW ROUTE ETIWANDA, CA 91739	FINDS Registry ID:: 110065286158	N/A
12459 B ARROW ROUTE 12459 B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	CHMIRS OES Incident Number: 17-1220	N/A
TERVITA (US OPERATIO 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	EMI Facility Id: 172593	N/A
TERVITA LLC 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739	FINDS	N/A

	Registry ID:: 110056294905	
TAMCO 12459 ARROW HWY RANCHO CUCAMONGA, CA 91739	EMI Facility Id: 18931	N/A
TAMCO 12459 B ARROW RTE RANCHO CUCAMONGA, CA 91739	FINDS Registry ID:: 110070089448 ECHO Registry ID: 110070089448	N/A
TAMCO 12459 ARROW HIGHWAY RANCHO CUCAMONGA, CA	RGA LUST	N/A
AMERON INTERNATIONAL 12455 ARROW RTE RANCHO CUCAMONGA, CA 91739	FINDS Registry ID:: 110064954232	N/A
AMERON SUBSTATION 12459 ARROW HWY ETIWANDA, CA 91739	RCRA NonGen / NLR EPA ID:: CAC003184668	CAC003184668
TAMCO 12459 ARROW RT RANCHO CUCAMONGA, CA 91739	AST Database: AST, Date of Government Version: 07/06/2016 WDS Facility Status: A Facility Id: 8 36I002257	N/A
TAMCO 12459 ARROW RT STE B RANCHO CUCAMONGA, CA 91739	CERS	N/A
TAMCO 12459 ARROW RTE STE RANCHO CUCAMONGA, CA 91739	AST Database: AST, Date of Government Version: 07/06/2016 San Bern. Co. Permit Facility Status: INACTIVE Facility Id: FA0006582	N/A
SCE PIPE SUBSTATION 12459 ARROW RTE RANCHO CUCAMONGA, CA 91739	San Bern. Co. Permit Facility Status: ACTIVE Facility Id: FA0000434 CERS	N/A

NATIONAL OILWELL VAR 12455 ARROW RTE RANCHO CUCAMONGA, CA 91739	HAZNET GEPAID: CAC002765244 HWTS	N/A
IWPAD INC 12459 ARROW RTE RANCHO CUCAMONGA, CA 91739	WDS Facility Status: A Facility Id: 8 36I003788	N/A
I.W.P.A.D., INC. 12459 ARROW HWY POMONA, CA 91739	EMI Facility Id: 14434	N/A
AMERON INTL CONCRETE 12455 ARROW ROUTE ETIWANDA, CA 91739	HAZNET GEPAID: CAT080033202 HWTS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System
US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROLS ---- Institutional Controls Sites List

Federal ERNS list

ERNS ---- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---- State Response Sites

Lists of state and tribal leaking storage tanks

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---- Underground Storage Tank Listing
INDIAN UST ---- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---- Recycler Database
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

EXECUTIVE SUMMARY

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
2020 COR ACTION ---- 2020 Corrective Action Program List
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PADS ---- PCB Activity Database System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
PFAS NPL ---- Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES ---- Federal Sites PFAS Information
PFAS TSCA ---- PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST ---- PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR ---- PFAS Contamination Site Location Listing
PFAS WQP ---- Ambient Environmental Sampling for PFAS
PFAS NPDES ---- Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING ---- Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT ---- All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC ---- Aqueous Foam Related Incidents Listing
PFAS ---- PFAS Contamination Site Location Listing
AQUEOUS FOAM ---- Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan

CUPA Listings - CUPA Resources List
DRYCLEANERS - Cleaner Facilities
Financial Assurance - Financial Assurance Information Listing
ICE - Inspection, Compliance and Enforcement
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
Notify 65 - Proposition 65 Records
HAZMAT - Hazardous Material Facilities
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
MINES MRDS - Mineral Resources Data System
BIOSOLIDS - ICIS-NPDES Biosolids Facility Data
PFAS TRIS - List of PFAS Added to the TRI

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants
EDR Hist Auto - EDR Exclusive Historical Auto Stations
EDR Hist Cleaner - EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF - Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 06/22/2023 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FOSECO CUCAMONGA Site ID: 0901435 EPA Id: CAD053844395	***7TH ST OFF ROCHESTER***	***SW 1/4 - 1/2 (0.325 mi.)***	***154***	***739***
PACIFIC RECYCLING EN Site ID: 0904783 EPA Id: CAD983659970	13012 WITTRAM AVE.	E 1/4 - 1/2 (0.436 mi.)	156	746

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EPTC ETIWANDA	***8998 ETIWANDA AVE***	***ESE 1/4 - 1/2 (0.280 mi.)***	***J153***	***724***

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 07/24/2023 has revealed that there are 2

RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARALLEL PRODUCTS EPA ID:: CAD981626682	12281 ARROW ROUTE	NNW 0 - 1/8 (0.037 mi.)	B110	486

Lower Elevation	Address	Direction / Distance	Map ID	Page
DP ETIWANDA EPA ID:: CAP000290510	8822 ETIWANDA AVE	E 1/8 - 1/4 (0.247 mi.)	H141	649

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 07/24/2023 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIR LIQUIDE CORP EPA ID:: CAD086097615	***12550 ARROW***	***NNE 0 - 1/8 (0.052 mi.)***	***D116***	***527***
AIR LIQUIDE HEALTHCA EPA ID:: CAR000252940	***12640 ARROW RTE***	***NE 1/8 - 1/4 (0.158 mi.)***	***G134***	***584***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS I EPA ID:: CAR000076950	***8810 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.212 mi.)***	***H137***	***591***
SIMSMETAL AMERICA EPA ID:: CAD981368228	***8822 ETIWANDA AVE***	***E 1/8 - 1/4 (0.247 mi.)***	***H143***	***679***
DP ETIWANDA EPA ID:: CAP000332783	8822 ETIWANDA AVENUE	E 1/8 - 1/4 (0.247 mi.)	H145	696

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/24/2023 has revealed that there are

6 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAMCO Facility Id: 36330050 Status: Refer: Other Agency	12549 ARROW HIGHWAY	NNE 0 - 1/8 (0.048 mi.)	D114	525

Lower Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS Facility Id: 60003183 Status: Active	***8810 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.212 mi.)***	***H138***	***594***
DP ETIWANDA Facility Id: 60002634 Status: Certified O&M - Land Use Restrictions Only	***8822 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.247 mi.)***	***H140***	***626***
SOUTHERN CALIFORNIA Facility Id: 60001192 Status: Active	***8998 ETIWANDA AVENUE***	***ESE 1/4 - 1/2 (0.280 mi.)***	***J151***	***717***
FOSECO CUCAMONGA Facility Id: 36280006 Status: Refer: Other Agency	***7TH ST OFF ROCHESTER***	***SW 1/4 - 1/2 (0.325 mi.)***	***154***	***739***
VISTA METALS CORP. Facility Id: 36340036 Status: Refer: Other Agency	***13425 WHITTRAM AVENU***	***E 1/2 - 1 (0.902 mi.)***	***162***	***772***

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
INLAND EMPIRE REGION Database: LOS ANGELES CO. LF, Date of Government Version: 04/10/2023 Site ID: 2733 Status: Active	***12645 6TH ST.***	***SSE 1/4 - 1/2 (0.466 mi.)***	***K158***	***747***
INLAND EMPIRE REGION Database: SWF/LF (SWIS), Date of Government Version: 05/08/2023 Facility ID: 36-AA-0423 Operational Status: Active Regulation Status: Notification	12645 SIXTH STREET	SSE 1/4 - 1/2 (0.466 mi.)	K159	768

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIR LIQUIDE	***12550 ARROW RTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D121***	***540***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Global ID: T0607100393 Facility Status: Case Closed				
AIR LIQUIDE	***12550 ARROW RTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D123***	***544***
Database: LUST, Date of Government Version: 06/05/2023 Status: Completed - Case Closed Global Id: T0607100393				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 4 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARALLEL PRODUCTS	***12281 ARROW ROUTE***	***NNW 0 - 1/8 (0.037 mi.)***	***B107***	***473***
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Facility Status: Closed				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALL STATE RECYCLING	***8949 ETIWANDA AVENUE***	***ESE 1/4 - 1/2 (0.344 mi.)***	***155***	***745***
Database: CPS-SLIC, Date of Government Version: 06/05/2023 Facility Status: Completed - Case Closed Global Id: T10000004163				
STERLING CAN	***8939 ETIWANDA AVENUE***	***ESE 1/4 - 1/2 (0.474 mi.)***	***L160***	***770***
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Facility Status: Closed				
STERLING CAN	8939 ETIWANDA AVENUE	ESE 1/4 - 1/2 (0.474 mi.)	L161	771
Database: CPS-SLIC, Date of Government Version: 06/05/2023 Facility Status: Completed - Case Closed Global Id: SLT8R1864120				

Lists of state and tribal registered storage tanks

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARALLEL PRODUCTS OF Database: AST, Date of Government Version: 07/06/2016	12281 ARROW RTE	NNW 0 - 1/8 (0.037 mi.)	B112	489
AIR LIQUIDE Database: AST, Date of Government Version: 07/06/2016	***12550 ARROW RTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D123***	***544***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS Database: AST, Date of Government Version: 07/06/2016	***8810 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.212 mi.)***	***H138***	***594***
SA RECYCLING Database: AST, Date of Government Version: 07/06/2016	***8822 ETIWANDA AVE***	***E 1/8 - 1/4 (0.247 mi.)***	***H142***	***651***

Lists of state and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 04/24/2023 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS Status: Active Facility Id: 60003183	***8810 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.212 mi.)***	***H138***	***594***
DP ETIWANDA Status: Certified O&M - Land Use Restrictions Only Facility Id: 60002634	***8822 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.247 mi.)***	***H140***	***626***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 2 WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOIL TREATMENT, RANC	12167 ARROW ROUTE	WNW 0 - 1/8 (0.105 mi.)	F131	579

Lower Elevation	Address	Direction / Distance	Map ID	Page
GENERATING STATION,E	***8996 ETIWANDA AVENUE***	***ESE 1/4 - 1/2 (0.279 mi.)***	***J150***	***715***

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/17/2023 has revealed that there are 4 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARALLEL PRODUCTS	***12281 ARROW RTE***	***NNW 0 - 1/8 (0.037 mi.)***	***B113***	***489***
AIRGAS USA, LLC	***12550 ARROW RTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D127***	***563***
TRAC DIV TANNER CO	***12167 ARROW HWY***	***WNW 0 - 1/8 (0.105 mi.)***	***F130***	***572***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS	***8810 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.212 mi.)***	***H138***	***594***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARALLEL PRODUCTS Status: A Tank Status: A Comp Number: 19723	***12281 ARROW RR***	***NNW 0 - 1/8 (0.037 mi.)***	***B109***	***485***
BIG THREE INDUSTRIES Status: A Tank Status: A Comp Number: 4357	12550 ARROW RR	NNE 0 - 1/8 (0.052 mi.)	D115	526
TRAC DIV TANNER CO Status: A Tank Status: A Comp Number: 64219	***12167 ARROW HWY***	***WNW 0 - 1/8 (0.105 mi.)***	***F130***	***572***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIMSMETAL AMERICA	***8822 ETIWANDA AVE***	***E 1/8 - 1/4 (0.247 mi.)***	***H143***	***679***

Status: A
Tank Status: A
Comp Number: 54331

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 7 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARALLEL PRODUCTS	***12281 ARROW ROUTE***	***NNW 0 - 1/8 (0.037 mi.)***	***B107***	***473***
DBA BROOKSIDE VINEYA	12281 ARROW RTE	NNW 0 - 1/8 (0.037 mi.)	B108	485
Facility Id: 00000019723				
AIR LIQUIDE AMERICA	***12550 ARROW RTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D119***	***536***
Facility Id: 00000004357				
AIR LIQUIDE INDUSTRI	***12550 ARROW ROUTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D126***	***555***
TRAC DIV TANNER CO	***12167 ARROW HWY***	***WNW 0 - 1/8 (0.105 mi.)***	***F130***	***572***
Facility Id: 00000064219				
TANNER COMPANY TPAC	12167 ARROW HWY	NW 1/8 - 1/4 (0.218 mi.)	139	625
Facility Id: 00000068860				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIMSMETAL AMERICA	***8822 ETIWANDA AVE***	***E 1/8 - 1/4 (0.247 mi.)***	***H143***	***679***
Facility Id: 00000054331				

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARALLEL PRODUCTS	***12281 ARROW RR***	***NNW 0 - 1/8 (0.037 mi.)***	***B109***	***485***
Facility Id: 36008762				
Status: A				

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 04/17/2023 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS	***8810 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.212 mi.)***	***H138***	***594***

EXECUTIVE SUMMARY

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 05/25/2023 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DP ETIWANDA	***8822 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.247 mi.)***	***H140***	***626***
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY Envirostor ID: 60002634				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/24/2023 has revealed that there are 10 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STEELCASE INC. EPA ID:: CAC003236314	12400 ARROW RTE	N 0 - 1/8 (0.020 mi.)	C106	471
AIR LIQUIDE INDUSTRI EPA ID:: CAL000373683	12550 ARROW RTE	NNE 0 - 1/8 (0.080 mi.)	D120	538
AIRGAS USA, LLC EPA ID:: CAC003028193	12550 ARROW RTE	NNE 0 - 1/8 (0.080 mi.)	D122	542
COPART (97) EPA ID:: CAL000381215	12167 ARROW RTE	WNW 0 - 1/8 (0.105 mi.)	F132	580
GEORGIA-PACIFIC EPA ID:: CAC003144605	8688 ETIWANDA AVENUE	E 1/8 - 1/4 (0.248 mi.)	I146	699
NATIONAL DISTRIBUTIO EPA ID:: CAL000409980	8688 ETIWANDA AVE	E 1/8 - 1/4 (0.248 mi.)	I147	701
GEORGIA PACIFIC EPA ID:: CAC003029377	8688 ETIWANDA AVE	E 1/8 - 1/4 (0.248 mi.)	I149	712

Lower Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS I EPA ID:: CAL000364475	8810 ETIWANDA AVE	E 1/8 - 1/4 (0.212 mi.)	H135	586
BERNELL HYDRAULICS, EPA ID:: CAC003099548	8810 ETIWANDA AVENUE	E 1/8 - 1/4 (0.212 mi.)	H136	589
SA RECYCLING EPA ID:: CAL000359034	8822 ETIWANDA AVE	E 1/8 - 1/4 (0.247 mi.)	H144	694

EXECUTIVE SUMMARY

FUELS PROGRAM: This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

A review of the FUELS PROGRAM list, as provided by EDR, and dated 05/15/2023 has revealed that there is 1 FUELS PROGRAM site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USL PARALLEL PRODUCT Company Seq ID: 4018 Facility ID: 70122	12281 ARROW ROUTE	NNW 0 - 1/8 (0.037 mi.)	B111	488

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 03/30/2023 has revealed that there are 4 PFAS ECHO sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PARALLEL PRODUCTS OF		NNW 0 - 1/8 (0.009 mi.)	B104	466
PARALLEL PRODUCTS	***12281 ARROW HIGHWAY***	***NW 0 - 1/8 (0.062 mi.)***	***E117***	***533***
AIR LIQUIDE CORP		NNE 0 - 1/8 (0.068 mi.)	D118	535
AMERON INTERNATIONAL		NE 1/8 - 1/4 (0.127 mi.)	G133	582

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/20/2023 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIR LIQUIDE Cleanup Status: COMPLETED - CASE CLOSED	***12550 ARROW RTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D121***	***540***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIR LIQUIDE Reg Id: 083602729T	12550 ARROW RT	NNE 0 - 1/8 (0.080 mi.)	D124	552

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 05/15/2023 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ETIWANDA PUMPING STA	***8998 ETIWANDA AVE***	***ESE 1/4 - 1/2 (0.280 mi.)***	***J152***	***720***
EPA ID: CAD079548574				
Cleanup Status: CLOSED				

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 05/09/2023 has revealed that there are 11 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STEELCASE RANCHO	***12400 ARROW RTE***	***N 0 - 1/8 (0.020 mi.)***	***C105***	***468***
Facility Status: ACTIVE				
Facility Id: FA0018478				
PARALLEL PRODUCTS	***12281 ARROW RTE***	***NNW 0 - 1/8 (0.037 mi.)***	***B113***	***489***
Facility Status: ACTIVE				
Facility Status: INACTIVE				
Facility Id: FA0005223				
AIR LIQUIDE	***12550 ARROW RTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D123***	***544***
Facility Status: INACTIVE				
Facility Id: FA0000718				
Facility Id: FA0007684				
SCE REDUCTION SUBSTA	***12550 ARROW RTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D125***	***552***
Facility Status: ACTIVE				
Facility Id: FA0000332				
AIRGAS USA, LLC	***12550 ARROW RTE***	***NNE 0 - 1/8 (0.080 mi.)***	***D127***	***563***
Facility Status: ACTIVE				
Facility Status: INACTIVE				
Facility Id: FA0000720				
CUSTOM GOODS, LLC RA	***12200 ARROW RTE***	***NW 0 - 1/8 (0.093 mi.)***	***E128***	***568***
Facility Status: ACTIVE				
Facility Id: FA0014559				
AMERICAN BUILDING SU	12200 ARROW RTE	NW 0 - 1/8 (0.093 mi.)	E129	571
Facility Status: INACTIVE				
Facility Id: FA0008026				
TRAC DIV TANNER CO	***12167 ARROW HWY***	***WNW 0 - 1/8 (0.105 mi.)***	***F130***	***572***
Facility Status: ACTIVE				
Facility Id: FA0008209				
NATIONAL DISTRIBUTIO	***8688 ETIWAND AVE***	***E 1/8 - 1/4 (0.248 mi.)***	***I148***	***703***
Facility Status: ACTIVE				
Facility Status: FEE EXEMPT				
Facility Id: FA0016848				

Lower Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS	***8810 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.212 mi.)***	***H138***	***594***

Facility Status: ACTIVE
Facility Status: INACTIVE
Facility Id: FA0001427

DP ETIWANDA ***8822 ETIWANDA AVENUE*** ***E 1/8 - 1/4 (0.247 mi.)*** ***H140*** ***626***

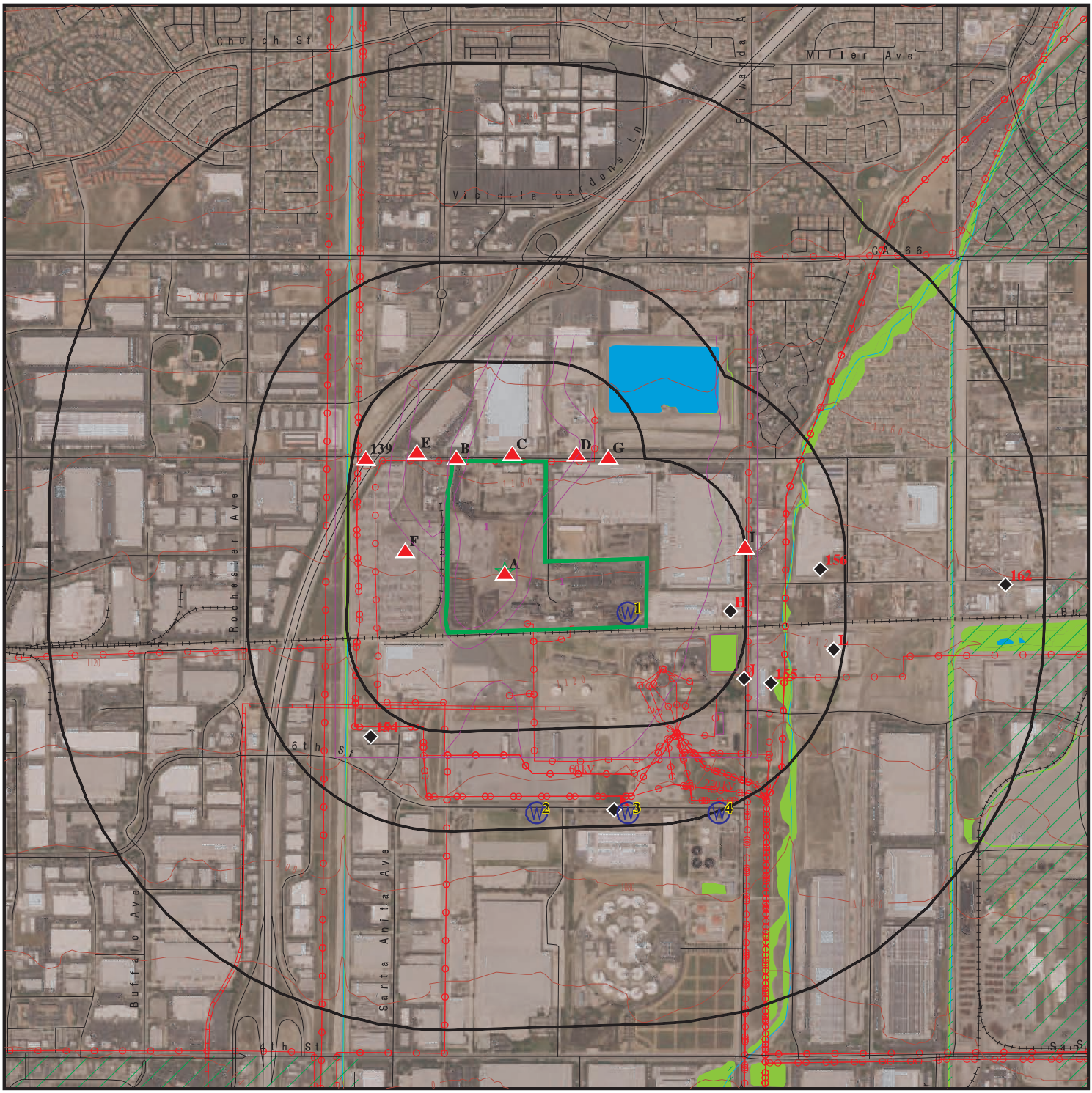
Facility Status: INACTIVE
Facility Id: FA0006201
Facility Id: FA0007940

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
FORE FOOTHILL & GROVE	ENVIROSTOR, VCP, SWEEPS UST, HIST UST, CA FID UST
	CDL
	CDL
	CDL
14253 WHITTRAM AVENUE	ENVIROSTOR, VCP

OVERVIEW MAP - 7435473.2S



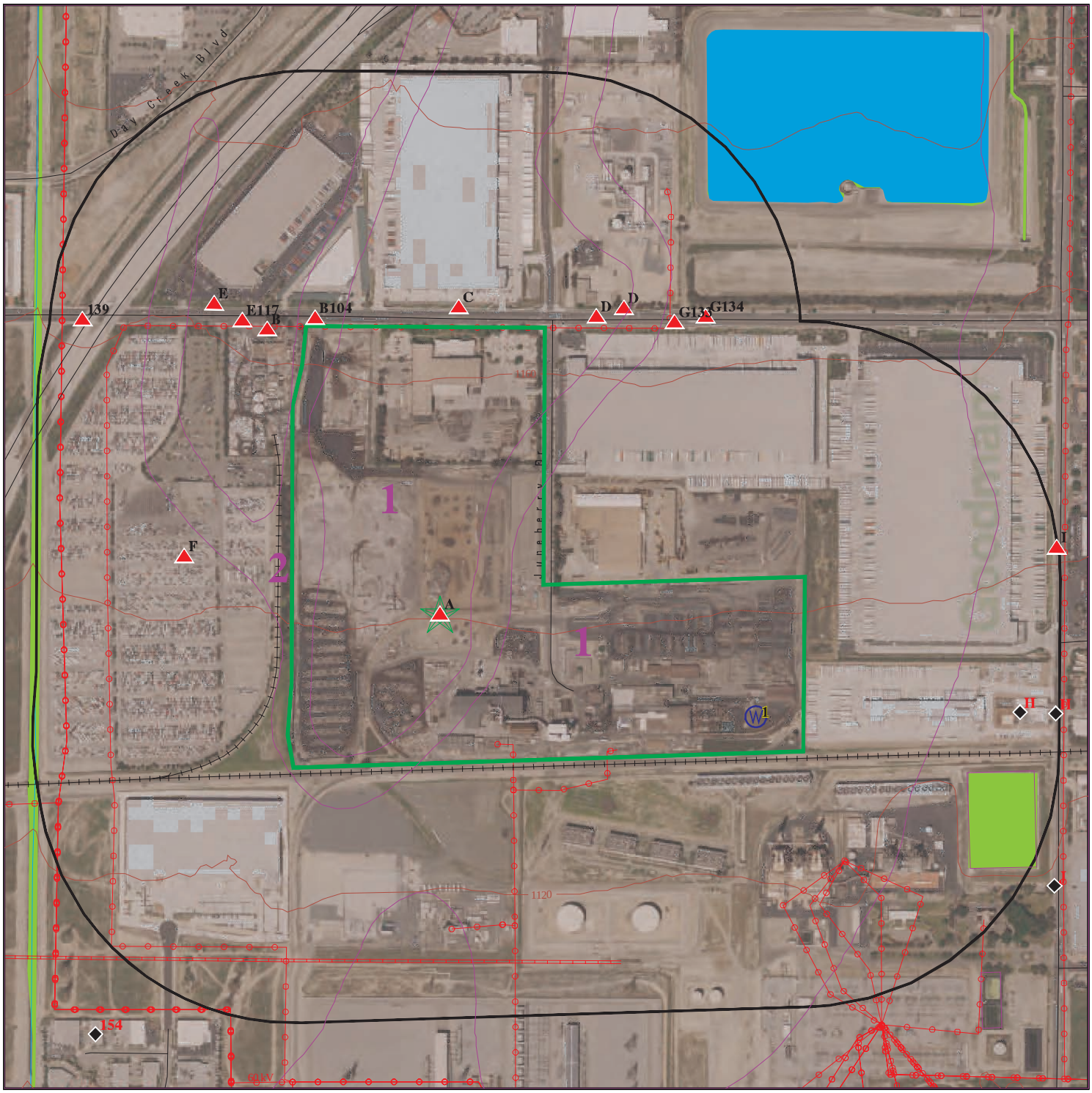
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	12343, 12353,12451, 12455, and 12459 Arrow Route	CLIENT:	Kleinfelder, Inc.
ADDRESS:	12343, 12353,12451, 12455, and 12459 Arrow Route Rancho Cucamonga CA 91739	CONTACT:	Lindsey Dandridge-Perry
LAT/LONG:	34.094869 / 117.534394	INQUIRY #:	7435473.2s
		DATE:	September 05, 2023 5:40 pm

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DETAIL MAP - 7435473.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	12343, 12353,12451, 12455, and 12459 Arrow Route	CLIENT:	Kleinfelder, Inc.
ADDRESS:	12343, 12353,12451, 12455, and 12459 Arrow Route Rancho Cucamonga CA 91739	CONTACT:	Lindsey Dandridge-Perry
LAT/LONG:	34.094869 / 117.534394	INQUIRY #:	7435473.2s
		DATE:	September 05, 2023 5:41 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500	1	0	0	2	NR	NR	3
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	1	0	NR	1
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250	1	1	1	NR	NR	NR	3
RCRA-SQG	0.250	2	1	4	NR	NR	NR	7
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000	2	1	2	2	1	NR	8
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	2	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500	4	2	0	0	NR	NR	6
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500	1	1	0	3	NR	NR	5
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	4	0	0	NR	NR	NR	4
AST	0.250	6	2	2	NR	NR	NR	10
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500	2	0	2	0	NR	NR	4
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500	1	1	0	1	NR	NR	3
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP	2	NR	NR	NR	NR	NR	2
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250	1	3	1	NR	NR	NR	5
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	3	3	1	NR	NR	NR	7
HIST UST	0.250	5	5	2	NR	NR	NR	12
CA FID UST	0.250		1	0	NR	NR	NR	1
CERS TANKS	0.250		0	1	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500	1	0	1	0	NR	NR	2
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP	9	NR	NR	NR	NR	NR	9
LDS	TP	1	NR	NR	NR	NR	NR	1
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	5	4	6	NR	NR	NR	15
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP	1	NR	NR	NR	NR	NR	1
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP	3	NR	NR	NR	NR	NR	3
TRIS	TP	1	NR	NR	NR	NR	NR	1
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP	2	NR	NR	NR	NR	NR	2
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	3	NR	NR	NR	NR	NR	3
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP	1	NR	NR	NR	NR	NR	1
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	16	NR	NR	NR	NR	NR	16
UXO	1.000		0	0	0	0	NR	0
ECHO	TP	11	NR	NR	NR	NR	NR	11
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		1	0	NR	NR	NR	1
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		3	1	NR	NR	NR	4
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500	2	1	0	0	NR	NR	3
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP	12	NR	NR	NR	NR	NR	12
ENF	TP	1	NR	NR	NR	NR	NR	1
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500	2	1	0	0	NR	NR	3
HWP	1.000		0	0	1	0	NR	1
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	TP	14	NR	NR	NR	NR	NR	14
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	7	NR	NR	NR	NR	NR	7
San Bern. Co. Permit	0.250	8	8	3	NR	NR	NR	19
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP	3	NR	NR	NR	NR	NR	3
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	8	NR	NR	NR	NR	NR	8
CERS	TP	11	NR	NR	NR	NR	NR	11
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP	20	NR	NR	NR	NR	NR	20
PFAS TRIS	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP	2	NR	NR	NR	NR	NR	2
- Totals --		179	39	27	12	1	0	258

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **TAMCO** **EMI** **S116288200**
Target **12459 ARROW HIGHWAY, SUITE B** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 1 of 103 in cluster A

Actual: **1140 ft.**

EMI:

Name:	TAMCO
Address:	12459 ARROW HIGHWAY, SUITE B
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2001
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	2759
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	465
NOX - Oxides of Nitrogen Tons/Yr:	97
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	84
Part. Matter 10 Micrometers and Smllr Tons/Yr:	82

A2 **TAMCO - RANCHO CUCAMONGA** **TSCA** **1014200856**
Target **12459 ARROW HIGHWAY SUITE "B"** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 2 of 103 in cluster A

Actual: **1140 ft.**

TSCA:

Site Name:	Tamco - Rancho Cucamonga
Site Address:	12459 Arrow Highway Suite "B"
Site City,State,Zip:	Rancho Cucamonga, CA 91739
Site County:	Not reported
Facility ID:	Not reported

TSCA 2006:

Case Number:	65996-71-6
Company Name:	Tamco
Facility Name:	Tamco - Rancho Cucamonga
Facility Address:	12459 Arrow Highway Suite "B"
Facility Address 2:	Not reported
Facility City,State,Zip:	Rancho Cucamonga, CA 91739
Manufacturer/Importer Status:	Manufacture
Site Limited Flag:	N

2006 Product Category:

Case Number:	65996-71-6
Product Category:	C11
Max Concentration:	M5
Used for Children:	N

2006 Chemical:

Case Number:	65996-71-6
Chemical Name:	Slags, steelmaking
Chemical Name 2:	Not reported

TAMCO - RANCHO CUCAMONGA (Continued) **1014200856**

U.S. Aggregate Product Volume: 1 bil and greater
Max Concentration Code: M5
Physical Form: Dry Powder, Pellets or Large Crystals, Other Solid
Number of Sites: 1 to 99
Number of Workers: 1000 or greater
Has industrial Use Data: Y
Has Commercial Use Data: Y

2006 Indact:
Case Number: 65996-71-6
Process Code: U
NAICS Code: 33111
Industrial Function Category: NRO

Case Number: 65996-71-6
Process Code: U
NAICS Code: 33121
Industrial Function Category: U33

Case Number: 65996-72-7
Company Name: Tamco
Facility Name: Tamco - Rancho Cucamonga
Facility Address: 12459 Arrow Highway Suite "B"
Facility Address 2: Not reported
Facility City,State,Zip: Rancho Cucamonga, CA 91739
Manufacturer/Importer Status: Manufacture
Site Limited Flag: N

2006 Product Category:
Case Number: 65996-72-7
Product Category: C11
Max Concentration: M5
Used for Children: N

2006 Chemical:
Case Number: 65996-72-7
Chemical Name: Dust, steelmaking
Chemical Name 2: Not reported
U.S. Aggregate Product Volume: 1 bil and greater
Max Concentration Code: M5
Physical Form: Dry Powder, Water or Solvent Wet Solid, Other Solid
Number of Sites: 1 to 99
Number of Workers: 1000 or greater
Has industrial Use Data: Y
Has Commercial Use Data: Y

2006 Indact:
Case Number: 65996-72-7
Process Code: NRO
NAICS Code: 33111
Industrial Function Category: U33

Case Number: 65996-72-7
Process Code: PA
NAICS Code: 33111

TAMCO - RANCHO CUCAMONGA (Continued) **1014200856**

Industrial Function Category: NRO

Case Number: 65996-72-7
Process Code: PF
NAICS Code: 33122
Industrial Function Category: U33

Case Number: 65996-72-7
Process Code: U
NAICS Code: 33121
Industrial Function Category: U33

Case Number: 65996-74-9
Company Name: Tamco
Facility Name: Tamco - Rancho Cucamonga
Facility Address: 12459 Arrow Highway Suite "B"
Facility Address 2: Not reported
Facility City,State,Zip: Rancho Cucamonga, CA 91739
Manufacturer/Importer Status: Manufacture
Site Limited Flag: N

2006 Product Category:
Case Number: 65996-74-9
Product Category: C11
Max Concentration: M5
Used for Children: N

2006 Chemical:
Case Number: 65996-74-9
Chemical Name: Mill scale (ferrous metal)
Chemical Name 2: Not reported
U.S. Aggregate Product Volume: 1 bil and greater
Max Concentration Code: M5
Physical Form: Dry Powder, Pellets or Large Crystals, Water or Solvent Wet Solid, Other Solid
Number of Sites: 100 to 999
Number of Workers: 1000 or greater
Has industrial Use Data: Y
Has Commercial Use Data: Y

2006 Indact:
Case Number: 65996-74-9
Process Code: PA
NAICS Code: 33111
Industrial Function Category: NRO

Case Number: 65996-74-9
Process Code: U
NAICS Code: 33121
Industrial Function Category: U33

Case Number: 65997-19-5
Company Name: Tamco
Facility Name: Tamco - Rancho Cucamonga
Facility Address: 12459 Arrow Highway Suite "B"

TAMCO - RANCHO CUCAMONGA (Continued) **1014200856**

Facility Address 2:	Not reported
Facility City,State,Zip:	Rancho Cucamonga, CA 91739
Manufacturer/Importer Status:	Manufacture
Site Limited Flag:	N

2006 Product Category:

Case Number:	65997-19-5
Product Category:	C11
Max Concentration:	M1
Used for Children:	N
Case Number:	65997-19-5
Product Category:	C11
Max Concentration:	M5
Used for Children:	N

2006 Chemical:

Case Number:	65997-19-5
Chemical Name:	Steel manufacture, chemicals
Chemical Name 2:	Not reported
U.S. Aggregate Product Volume:	1 bil and greater
Max Concentration Code:	M5
Physical Form:	Dry Powder, Other Solid
Number of Sites:	100 to 999
Number of Workers:	1000 or greater
Has industrial Use Data:	Y
Has Commercial Use Data:	Y

2006 Indact:

Case Number:	65997-19-5
Process Code:	NRO
NAICS Code:	33111
Industrial Function Category:	U33
Case Number:	65997-19-5
Process Code:	PA
NAICS Code:	33111
Industrial Function Category:	NRO
Case Number:	65997-19-5
Process Code:	PK
NAICS Code:	33122
Industrial Function Category:	U33
Case Number:	65997-19-5
Process Code:	PK
NAICS Code:	42393
Industrial Function Category:	U20
Case Number:	65997-19-5
Process Code:	U
NAICS Code:	33121
Industrial Function Category:	U33
Case Number:	65997-19-5
Process Code:	U
NAICS Code:	33122

TAMCO - RANCHO CUCAMONGA (Continued) **1014200856**

Industrial Function Category: U33

A3 **ARROW PLANT** **NPDES** **S122246583**
Target **12455 ARROW ROUTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 3 of 103 in cluster A

Actual: **1140 ft.**

NPDES:

Name:	ARROW PLANT
Address:	12455 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36W000217
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Expired
Status Date:	07/01/2011
Operator Name:	Ameron International
Operator Address:	12455 Arrow Route
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

A4 **TENCO STEEL** **HAULERS** **S127803919**
Target **12459 ARROW ROUTE - B** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 4 of 103 in cluster A

Actual: **1140 ft.**

HAULERS:

Name:	TENCO STEEL
Address:	12459 ARROW ROUTE - B
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	1915474
Facility Phone:	(909) 899-0660
Business Email Address:	Not reported
Contact Person:	Jesse Whie
Mailing Address:	P.O. Box 325

TENCO STEEL (Continued) **S127803919**

Mailing City:	Rancho Cucamonga
Mailing State:	CA
Mailing Zip:	91739
Mailing County:	Not reported
Mailing Phone:	(909) 899-0660
Current Status:	Active
Current Hauler Status:	Not reported
Accepting Tires From Public:	Not reported
Regulatory Status Last Changed:	2018-05-14 12:31:32
Business Types:	Not reported

A5 **TAMCO** **EMI** **S116288204**
Target **12459-B ARROW ROUTE** **NPDES** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 5 of 103 in cluster A

Actual: **1140 ft.**

EMI:

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA
Year:	2006
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3325
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10.72133353287261408
Reactive Organic Gases Tons/Yr:	4.105
Carbon Monoxide Emissions Tons/Yr:	454.255
NOX - Oxides of Nitrogen Tons/Yr:	67.37
SOX - Oxides of Sulphur Tons/Yr:	.36
Particulate Matter Tons/Yr:	95.19
Part. Matter 10 Micrometers and Smllr Tons/Yr:	78.00696

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2007
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3325
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10.70882550777111305
Reactive Organic Gases Tons/Yr:	4.105
Carbon Monoxide Emissions Tons/Yr:	454.255
NOX - Oxides of Nitrogen Tons/Yr:	67.37
SOX - Oxides of Sulphur Tons/Yr:	.36
Particulate Matter Tons/Yr:	95.19
Part. Matter 10 Micrometers and Smllr Tons/Yr:	78.00696

TAMCO (Continued) **S116288204**

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2008
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25.80726942430553594
Reactive Organic Gases Tons/Yr:	16.34654033
Carbon Monoxide Emissions Tons/Yr:	89.326475
NOX - Oxides of Nitrogen Tons/Yr:	71.65451974256155586
SOX - Oxides of Sulphur Tons/Yr:	.2644891423
Particulate Matter Tons/Yr:	50.92422725
Part. Matter 10 Micrometers and Smllr Tons/Yr:	40.597548845

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2012
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.774373384
Reactive Organic Gases Tons/Yr:	12.54214
Carbon Monoxide Emissions Tons/Yr:	69.80115
NOX - Oxides of Nitrogen Tons/Yr:	102.02842
SOX - Oxides of Sulphur Tons/Yr:	31.93910252
Particulate Matter Tons/Yr:	40.22243
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.90851844

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2013
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0079248075661
Reactive Organic Gases Tons/Yr:	0.0064622738
Carbon Monoxide Emissions Tons/Yr:	0.03942815
NOX - Oxides of Nitrogen Tons/Yr:	0.06289536
SOX - Oxides of Sulphur Tons/Yr:	0.01471923333

TAMCO (Continued) **S116288204**

Particulate Matter Tons/Yr: 0.0259183173
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.020556684422

Name: TAMCO
Address: 12459-B ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2014
County Code: 36
Air Basin: SC
Facility ID: 18931
Air District Name: SC
SIC Code: 3312
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 18.596987181
Reactive Organic Gases Tons/Yr: 16.03089
Carbon Monoxide Emissions Tons/Yr: 81.67223
NOX - Oxides of Nitrogen Tons/Yr: 157.79942
SOX - Oxides of Sulphur Tons/Yr: 36.028705
Particulate Matter Tons/Yr: 55.92199
Part. Matter 10 Micrometers and Smllr Tons/Yr: 45.66787558

Name: TAMCO
Address: 12459-B ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2016
County Code: 36
Air Basin: SC
Facility ID: 18931
Air District Name: SC
SIC Code: 3312
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 15.226801251
Reactive Organic Gases Tons/Yr: 12.748611
Carbon Monoxide Emissions Tons/Yr: 70.06581
NOX - Oxides of Nitrogen Tons/Yr: 96.16212
SOX - Oxides of Sulphur Tons/Yr: 27.4567952
Particulate Matter Tons/Yr: 47.9266626
Part. Matter 10 Micrometers and Smllr Tons/Yr: 39.234480576

Name: TAMCO
Address: 12459-B ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2017
County Code: 36
Air Basin: SC
Facility ID: 18931
Air District Name: SC
SIC Code: 3312
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20.531465061
Reactive Organic Gases Tons/Yr: 17.410436

TAMCO (Continued) **S116288204**

Carbon Monoxide Emissions Tons/Yr:	90.43214
NOX - Oxides of Nitrogen Tons/Yr:	108.1453
SOX - Oxides of Sulphur Tons/Yr:	28.8099325
Particulate Matter Tons/Yr:	62.915285
Part. Matter 10 Micrometers and Smllr Tons/Yr:	51.90788696

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2018
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20.548514581
Reactive Organic Gases Tons/Yr:	17.326396893
Carbon Monoxide Emissions Tons/Yr:	90.103284
NOX - Oxides of Nitrogen Tons/Yr:	149.13943878
SOX - Oxides of Sulphur Tons/Yr:	56.901378108
Particulate Matter Tons/Yr:	63.087438174
Part. Matter 10 Micrometers and Smllr Tons/Yr:	52.119518708

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2019
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3449
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14.94139643
Reactive Organic Gases Tons/Yr:	12.235635701
Carbon Monoxide Emissions Tons/Yr:	67.99491845
NOX - Oxides of Nitrogen Tons/Yr:	89.76971005
SOX - Oxides of Sulphur Tons/Yr:	33.362238897
Particulate Matter Tons/Yr:	17.546056375
Part. Matter 10 Micrometers and Smllr Tons/Yr:	14.377870818

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2020
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

TAMCO (Continued) **S116288204**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.051502248
Reactive Organic Gases Tons/Yr:	2.3685913906
Carbon Monoxide Emissions Tons/Yr:	28.08086
NOX - Oxides of Nitrogen Tons/Yr:	19.65144
SOX - Oxides of Sulphur Tons/Yr:	0.1208774
Particulate Matter Tons/Yr:	2.109387
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.873730758

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2021
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.051343898008
Reactive Organic Gases Tons/Yr:	0.0102459
Carbon Monoxide Emissions Tons/Yr:	0.03864995
NOX - Oxides of Nitrogen Tons/Yr:	0.1298492
SOX - Oxides of Sulphur Tons/Yr:	0.000587555
Particulate Matter Tons/Yr:	0.007369625
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.007368416

NPDES:

Name:	TAMCO
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36C378348
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	12/05/2017
Operator Name:	Tamco
Operator Address:	PO Box 325
Operator City:	Rancho Cucamonga

TAMCO (Continued) **S116288204**

Operator State:	California
Operator Zip:	91739
NPDES as of 03/2018:	
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	481079
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36C378348
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/07/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	11/20/2017
Discharge Name:	Tamco
Discharge Address:	PO Box 325
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

TAMCO (Continued) **S116288204**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	481079
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	8 36C378348
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/06/2016
Processed Date:	12/07/2016
Status:	Active
Status Date:	12/07/2016
Place Size:	85
Place Size Unit:	Acres
Contact:	Mark Olson
Contact Title:	VP General Manager
Contact Phone:	909-899-0660
Contact Phone Ext:	Not reported
Contact Email:	mark.olson@gerdau.com
Operator Name:	Tamco
Operator Address:	PO Box 325
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

TAMCO (Continued) **S116288204**

Operator Contact:	Mark Olson
Operator Contact Title:	VP General Manager
Operator Contact Phone:	909-899-0660
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mark.olson@gerdau.com
Operator Type:	Private Business
Developer:	Mark Olson
Developer Address:	12459 B Arrow Route
Developer City:	Rancho Cucamonga
Developer State:	California
Developer Zip:	91739
Developer Contact:	Mark Olson
Developer Contact Title:	VP General Manager
Constype Linear Utility Ind:	N
Emergency Phone:	9098990660
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	Y
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	Jesse White
Certifier Title:	Environmental Manager
Certification Date:	06-DEC-16
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

A6 **PHOENIX SERVICES LLC** **San Bern. Co. Permit** **S122499513**
Target **12459-B ARROW RTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 6 of 103 in cluster A

Actual:
1140 ft.

San Bern. Co. Permit:

Name:	PHOENIX SERVICES LLC
Address:	12459-B ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0018035
Owner:	Terry Wagaman
Permit Number:	PT0038967
Permit Category:	APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status:	INACTIVE

PHOENIX SERVICES LLC (Continued) **S122499513**

Expiration Date: 08/31/2022

Name: PHOENIX SERVICES LLC
Address: 12459-B ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0018035
Owner: Terry Wagaman
Permit Number: PT0038966
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 08/31/2022

Name: PHOENIX SERVICES LLC
Address: 12459-B ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0018035
Owner: Terry Wagaman
Permit Number: PT0039096
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 08/31/2022

A7 **TAMCO** **PRP** **1026642578**
Target **12459 ARROW HWY** **N/A**
Property **ETIWANDA, CA 91739**

Site 7 of 103 in cluster A

Actual: **1140 ft.**

PRP:
Name: TAMCO
Address: 12459 ARROW HWY
City,State,Zip: ETIWANDA, CA 91739
Superfund EPAID: UTD000710772
Superfund Name: MICRONUTRIENT INTL INC
Superfund Address: 1 MI E HWY 36, BATES CANYON RD
Superfund City,State,Zip: ERDA, UT 84074
NPL Status: Not on the NPL
NPL Status Short Name: NFRAP-Site does not qualify for the NPL based on existing information
Data Type: GENERAL NOTICE
Action Date: 1/9/1986
Settlement Code: NJ-8
Settlement: Not Ltrs
Latitude: Not reported
Longitude: Not reported

Name: TAMCO
Address: 12459 ARROW HWY
City,State,Zip: ETIWANDA, CA 91739
Superfund EPAID: UTD000710772
Superfund Name: MICRONUTRIENT INTL INC
Superfund Address: 1 MI E HWY 36, BATES CANYON RD
Superfund City,State,Zip: ERDA, UT 84074
NPL Status: Not on the NPL
NPL Status Short Name: NFRAP-Site does not qualify for the NPL based on existing information
Data Type: SETTLEMENT DATE
Action Date: 3/28/1991

TAMCO (Continued) **1026642578**

Settlement Code: UA-1
Settlement: UNL ORDR
Latitude: Not reported
Longitude: Not reported

A8 **SCE AMERON SUBSTATION** **San Bern. Co. Permit** **S121309560**
Target **12459 ARROW RTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 8 of 103 in cluster A

Actual:
1140 ft.

San Bern. Co. Permit:
Name: SCE AMERON SUBSTATION
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000989
Owner: Southern California Edison
Permit Number: PT0000528
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: INACTIVE
Expiration Date: 02/28/2023

Name: SCE AMERON SUBSTATION
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000989
Owner: Southern California Edison
Permit Number: PT0020855
Permit Category: APSA EXEMPT
Facility Status: INACTIVE
Expiration Date: 02/28/2018

A9 **AMERON STEEL AND WIRE** **HIST CORTESE** **S105023682**
Target **12459 ETIWANDA** **N/A**
Property **ETIWANDA, CA 91769**

Site 9 of 103 in cluster A

Actual:
1140 ft.

HIST CORTESE:
edr_fname: AMERON STEEL AND WIRE
edr_fadd1: 12459 ETIWANDA
City,State,Zip: ETIWANDA, CA 91769
Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 083600432T

A10 **AMERON PIPE ARROW PLANT** **SWEEPS UST** **S106922647**
Target **12455 ARROW RR** **N/A**
Property **ETIWANDA, CA 91739**

Site 10 of 103 in cluster A

Actual:
1140 ft.

SWEEPS UST:

Name:	AMERON PIPE ARROW PLANT
Address:	12455 ARROW RR
City:	ETIWANDA
Status:	Active
Comp Number:	28207
Number:	9
Board Of Equalization:	44-020832
Referral Date:	08-28-91
Action Date:	08-28-91
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	36-000-028207-000001
Tank Status:	A
Capacity:	10000
Active Date:	06-29-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	3

Name:	AMERON PIPE ARROW PLANT
Address:	12455 ARROW RR
City:	ETIWANDA
Status:	Active
Comp Number:	28207
Number:	9
Board Of Equalization:	44-020832
Referral Date:	08-28-91
Action Date:	08-28-91
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	36-000-028207-000002
Tank Status:	A
Capacity:	10000
Active Date:	06-29-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	AMERON PIPE ARROW PLANT
Address:	12455 ARROW RR
City:	ETIWANDA
Status:	Active
Comp Number:	28207
Number:	9
Board Of Equalization:	44-020832
Referral Date:	08-28-91
Action Date:	08-28-91
Created Date:	02-29-88
Owner Tank Id:	3
SWRCB Tank Id:	36-000-028207-000003

AMERON PIPE ARROW PLANT (Continued) **S106922647**

Tank Status:	A
Capacity:	12000
Active Date:	06-29-88
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

A11 **SCE-PIPE SUBSTATION** **AST** **S105047650**
Target **12459 ARROW** **N/A**
Property **RANCHO CUCAMONGA, CA**

Site 11 of 103 in cluster A

Actual: **1140 ft.**

AST:

Name:	SCE-PIPE SUBSTATION
Address:	12459 ARROW
City/Zip:	RANCHO CUCAMONGA,
Certified Unified Program Agencies:	San Bernardino
Owner:	SOUTHERN CALIFORNIA EDISON
Total Gallons:	2,852
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

A12 **AMERON SUBSTATION** **FINDS** **1007738720**
Target **12459 ARROW HWY** **ECHO** **N/A**
Property **ETIWANDA, CA 91739**

Site 12 of 103 in cluster A

Actual: **1140 ft.**

FINDS:

Registry ID:	110018988274

AMERON SUBSTATION (Continued) **1007738720**

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
Registry ID: 110070845289

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1007738720
Registry ID:	110070845289
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070845289
Name:	AMERON SUBSTATION
Address:	12459 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91739

A13 **TAMCO** **UST** **U004263948**
Target **12459 ARROW RTE STE B** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 13 of 103 in cluster A

Actual:
1140 ft.

UST:

Name:	TAMCO
Address:	12459 ARROW RTE STE B
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	FA0006582
Permitting Agency:	San Bernardino County Fire Department
CERSID:	10152245
Latitude:	34.0989800
Longitude:	-117.532830
Owner type:	Non-Government
Facility type:	Other
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	BTC III Arrow Route CC LP
Tank owner mailing address:	4675 MacArthur Court, Suite 625
Tank owner mailing city:	Newport Beach
Tank owner mailing zip:	92660
Tank owner mailing state:	CA
Tank operator name:	BTC III Arrow Route CC LP
Tank operator mailing address:	4675 MacArthur Court, Suite 625

TAMCO (Continued) **U004263948**

Tank operator mailing city:	Newport Beach
Tank operator mailing zip:	92660
Tank operator mailing state:	CA
Tankidnumber:	2
Tank status:	Renewal Permit
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	3/17/1987 12:00:00 AM
Tank num of compartments:	2
Tank contents:	Regular Unleaded
Tank capacity gallons:	2000
Tank type:	Double Wall
Tank pc construction:	Steel
Tank pwpiping construction:	Fiberglass
Tank piping type:	Conventional Suction
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

Name:	TAMCO
Address:	12459 ARROW RTE STE B
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	FA0006582
Permitting Agency:	San Bernardino County Fire Department
CERSID:	10152245
Latitude:	34.0989800
Longitude:	-117.532830
Owner type:	Non-Government
Facility type:	Other
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	BTC III Arrow Route CC LP
Tank owner mailing address:	4675 MacArthur Court, Suite 625
Tank owner mailing city:	Newport Beach
Tank owner mailing zip:	92660
Tank owner mailing state:	CA
Tank operator name:	BTC III Arrow Route CC LP
Tank operator mailing address:	4675 MacArthur Court, Suite 625
Tank operator mailing city:	Newport Beach
Tank operator mailing zip:	92660
Tank operator mailing state:	CA
Tankidnumber:	1
Tank status:	Renewal Permit
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	3/17/1987 12:00:00 AM
Tank num of compartments:	2
Tank contents:	Diesel
Tank capacity gallons:	10000
Tank type:	Double Wall

TAMCO (Continued) **U004263948**

Tank pc construction:	Steel
Tank pwpiping construction:	Fiberglass
Tank piping type:	Conventional Suction
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

A14 **AMERON INTERNATIONAL** **FINDS 1016053061**
Target **12455 ARROW ROUTE** **ECHO N/A**
Property **ETIWANDA, CA 91739**

Site 14 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110000770489

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.
California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many

AMERON INTERNATIONAL (Continued) **1016053061**

types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016053061
Registry ID:	110000770489
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000770489
Name:	AMERON INTERNATIONAL
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739

A15 **GERDAU** **FINDS 1023692424**
Target **12459 ARROW ROUTE** **ECHO N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 15 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110070308302

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.
Registry ID: 110070089456

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.
All generators and treatment, storage, and disposal (TSD) facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years. The data collected is used to create the National Biennial Resource Conservation and Recovery Act (RCRA) Hazardous Waste Report. This data is processed within the RCRA Information (RCRAInfo) database

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

GERDAU (Continued) **1023692424**

ECHO:

Envid:	1023692424
Registry ID:	110070089456
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070089456
Name:	TI WIRE
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739

A16 **FONTANA STEEL INC** **UST** **U003785136**
Target **12451 ARROW HWY** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 16 of 103 in cluster A

Actual:
1140 ft.

UST:

Name:	FONTANA STEEL INC
Address:	12451 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	89018295
Permitting Agency:	SAN BERNARDINO COUNTY
CERSID:	Not reported
Latitude:	34.09906
Longitude:	-117.53441
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported

FONTANA STEEL INC (Continued) **U003785136**

Tank ball float: Not reported
Tank spill bucket: Not reported

A17 **TAMCO** **RGA LUST** **S114698524**
Target **12459 ARROW HWY** **N/A**
Property **RANCHO CUCAMONGA, CA**

Site 17 of 103 in cluster A

Actual: **1140 ft.**

RGA LUST:
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
2012 TAMCO 12459 ARROW HWY
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
2011 TAMCO 12459 ARROW HWY
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
2010 TAMCO 12459 ARROW HWY
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
2009 TAMCO 12459 ARROW HWY
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
2008 TAMCO 12459 ARROW HWY
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
2007 TAMCO 12459 ARROW HWY
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
2006 TAMCO 12459 ARROW HWY
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
2005 TAMCO 12459 ARROW HWY
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
2003 TAMCO 12459 ARROW HWY
Name: TAMCO
Address: 12459 ARROW HWY
City: RANCHO CUCAMONGA

TAMCO (Continued) **S114698524**

State: RANCHO CUCAMONGA
2002 TAMCO 12459 ARROW HWY

A18 **TAMCO** **EMI** **S116288202**
Target **12459 ARROW HWY** **N/A**
Property **ETIWANDA, CA 91739**

Site 18 of 103 in cluster A

Actual: **1140 ft.**

EMI:

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91739
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	2759
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	284
NOX - Oxides of Nitrogen Tons/Yr:	53
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	36
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91739
Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	2759
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	365
NOX - Oxides of Nitrogen Tons/Yr:	79
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	68
Part. Matter 10 Micrometers and Smllr Tons/Yr:	57

A19 **T I WIRE** **HAZNET** **S112999220**
Target **12459 ARROW ROUTE** **HWTS** **N/A**
Property **ETIWANDA, CA 91739**

Site 19 of 103 in cluster A

Actual:
1140 ft.

HAZNET:

Name:	T I WIRE
Address:	12459 ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 917399601
Contact:	ERIC JENSEN
Telephone:	9095690123
Mailing Name:	Not reported
Mailing Address:	5080 HALLMARK PARKWAY
Year:	2021
Gepaid:	CAD008288102
TSD EPA ID:	CAT000613976
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.084
Year:	2021
Gepaid:	CAD008288102
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.875
Year:	2021
Gepaid:	CAD008288102
TSD EPA ID:	CAT000646117
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	24.8
Year:	2020
Gepaid:	CAD008288102
TSD EPA ID:	CAT000646117
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	11.4
Year:	2020
Gepaid:	CAD008288102
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.418
Year:	2020
Gepaid:	CAD008288102

T I WIRE (Continued) **S112999220**

TSD EPA ID: CAD008488025
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 12.51043

Year: 2020
Gepaid: CAD008288102
TSD EPA ID: CAT000646117
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1.95

Year: 2020
Gepaid: CAD008288102
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 4.8

Year: 2020
Gepaid: CAD008288102
TSD EPA ID: CAT000646117
CA Waste Code: 291 - Latex waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.22936

Year: 2019
Gepaid: CAD008288102
TSD EPA ID: ARD981057870
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.05100

Click this hyperlink while viewing on your computer to access
339 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2021
Gen EPA ID: CAD008288102

Shipment Date: 7/8/2020
Creation Date: 8/14/2020
Receipt Date: 7/16/2020
Manifest ID: 021543566JJK
Trans EPA ID: CAR000276295
Trans Name: WM ENVIROSERV
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics

T I WIRE (Continued) **S112999220**

RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	6
Waste Quantity:	12000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/8/2020
Creation Date:	8/14/2020
Receipt Date:	7/16/2020
Manifest ID:	021543566JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	2/20/2020
Creation Date:	3/27/2020
Receipt Date:	3/2/2020
Manifest ID:	020788848JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.22936
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported

T I WIRE (Continued) **S112999220**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	2/12/2020
Creation Date:	3/6/2020
Receipt Date:	2/19/2020
Manifest ID:	020788724JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	2/12/2020
Creation Date:	3/13/2020
Receipt Date:	2/21/2020
Manifest ID:	020788723JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	2/12/2020
Creation Date:	3/13/2020

T I WIRE (Continued) **S112999220**

Receipt Date:	2/21/2020
Manifest ID:	020788723JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	3.3
Waste Quantity:	6600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	11/10/2020
Creation Date:	11/25/2020
Receipt Date:	11/11/2020
Manifest ID:	006255087GBF
Trans EPA ID:	CAR000164327
Trans Name:	T AND R ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	4.8
Waste Quantity:	9600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/23/2020
Creation Date:	11/17/2020
Receipt Date:	10/27/2020
Manifest ID:	021676376JJK
Trans EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025

T I WIRE (Continued) **S112999220**

Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002,D007,D008
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	12.51043
Waste Quantity:	3000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/14/2020
Creation Date:	11/18/2020
Receipt Date:	10/27/2020
Manifest ID:	021842802JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	2.1
Waste Quantity:	4200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/14/2020
Creation Date:	11/18/2020
Receipt Date:	10/27/2020
Manifest ID:	021842802JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3

T I WIRE (Continued) **S112999220**

Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAD008288102
Shipment Date:	7/8/2020
Creation Date:	8/14/2020
Receipt Date:	7/16/2020
Manifest ID:	021543566JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/8/2020
Creation Date:	8/14/2020
Receipt Date:	7/16/2020
Manifest ID:	021543566JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	6
Waste Quantity:	12000
Quantity Unit:	P
Additional Code 1:	Not reported

T I WIRE (Continued) **S112999220**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	2/20/2020
Creation Date:	3/27/2020
Receipt Date:	3/2/2020
Manifest ID:	020788848JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.22936
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	2/12/2020
Creation Date:	3/13/2020
Receipt Date:	2/21/2020
Manifest ID:	020788723JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	3.3
Waste Quantity:	6600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	2/12/2020
Creation Date:	3/13/2020

T I WIRE (Continued) **S112999220**

Receipt Date:	2/21/2020
Manifest ID:	020788723JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	2/12/2020
Creation Date:	3/6/2020
Receipt Date:	2/19/2020
Manifest ID:	020788724JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	11/10/2020
Creation Date:	11/25/2020
Receipt Date:	11/11/2020
Manifest ID:	006255087GBF
Trans EPA ID:	CAR000164327
Trans Name:	T AND R ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000

T I WIRE (Continued) **S112999220**

Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	4.8
Waste Quantity:	9600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/23/2020
Creation Date:	11/17/2020
Receipt Date:	10/27/2020
Manifest ID:	021676376JJK
Trans EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002,D007,D008
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	12.51043
Waste Quantity:	3000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/14/2020
Creation Date:	11/18/2020
Receipt Date:	10/27/2020
Manifest ID:	021842802JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3

T I WIRE (Continued) **S112999220**

Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/14/2020
Creation Date:	11/18/2020
Receipt Date:	10/27/2020
Manifest ID:	021842802JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	2.1
Waste Quantity:	4200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	919075
Shipment Date:	12/18/2019
Receipt Date:	12/30/2019
Manifest Number:	020787838JJK
Generator EPA ID:	CAD008288102
Name:	TREE ISLAND WIRE - ETIWANDA
Address:	ARROW ROUTE
Address 2:	Not reported
City:	ETIWANDA
Zip:	91739
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	909-594-7511
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000297531
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000646117
TSDF Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Address 1:	OLD SKYLINE ROAD
TSDF Address 2:	Not reported
TSDF City:	KETTLEMAN CITY

T I WIRE (Continued) **S112999220**

TSDF Zip: 93210-0000
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 919075
Generator EPA ID: CAD008288102
Shipment Date: 2019-12-18
Manifest Number: 020787838JJK
Line Number: 1
Method Code: H132
Quantity Tons: 5.50000
Quantity Waste: 11000.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 181

Year: 2020
EM Manifest ID: 919075
Generator EPA ID: CAD008288102
Shipment Date: 2019-12-18
Manifest Number: 020787838JJK
Line Number: 2
Method Code: H132
Quantity Tons: 0.75000
Quantity Waste: 1500.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 4b4f012f-a844-4416-a293-7fbb29c37ee2
Shipment Date: 10/14/2020
Receipt Date: 10/27/2020
Manifest Number: 021842802JJK
Generator EPA ID: CAD008288102
Name: TREE ISLAND WIRE-ETIWANDA
Address: ARROW ROUTE
Address 2: Not reported
City: ETIWANDA
Zip: 91739
Telephone: 800-424-9300
Contact: ERIC C JENSEN
Contact Telephone: 909-594-7511
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000297531
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000646117
TSDF Name: CHEMICAL WASTE MANAGEMENT, INC.
TSDF Address 1: OLD SKYLINE ROAD
TSDF Address 2: Not reported
TSDF City: KETTLEMAN CITY

T I WIRE (Continued) **S112999220**

TSDF Zip: 93239
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 4b4f012f-a844-4416-a293-7fbb29c37ee2
Generator EPA ID: CAD008288102
Shipment Date: 2020-10-14
Manifest Number: 021842802JJK
Line Number: 1
Method Code: H132
Quantity Tons: 2.10000
Quantity Waste: 4200.000000
Quantity Unit: P
Number of Containers: 6
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 181

Year: 2020
EM Manifest ID: 4b4f012f-a844-4416-a293-7fbb29c37ee2
Generator EPA ID: CAD008288102
Shipment Date: 2020-10-14
Manifest Number: 021842802JJK
Line Number: 2
Method Code: H132
Quantity Tons: 0.30000
Quantity Waste: 600.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 352

Detail Two:
Year: 2019
EM Manifest ID: 630203
Shipment Date: 9/18/2019
Receipt Date: 9/24/2019
Manifest Number: 020151410JJK
Generator EPA ID: CAD008288102
Name: T.I. WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City: ETIWANDA
Zip: 91739
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 909-569-0123
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: AZD982484578
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY

T I WIRE (Continued) **S112999220**

TSDF Address 2: Not reported
TSDF City: BEATTY
TSDF Zip: 89003
TSDF Telephone: 800-839-3975

State:
Year: 2019
EM Manifest ID: 630203
Generator EPA ID: CAD008288102
Shipment Date: 2019-09-18
Manifest Number: 020151410JJK
Line Number: 1
Method Code: H132
Quantity Tons: 2.80000
Quantity Waste: 5600.000000
Quantity Unit: P
Number of Containers: 14
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2019
EM Manifest ID: 540092
Shipment Date: 8/21/2019
Receipt Date: 8/23/2019
Manifest Number: 020150967JJK
Generator EPA ID: CAD008288102
Name: T.I. WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City: ETIWANDA
Zip: 91739
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 909-569-0123
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD982030173
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008488025
TSDF Name: PHIBRO-TECH INC
TSDF Address 1: 8851 DICE ROAD
TSDF Address 2: Not reported
TSDF City: SANTA FE SPRINGS
TSDF Zip: 90670-2515
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 540092
Generator EPA ID: CAD008288102
Shipment Date: 2019-08-21
Manifest Number: 020150967JJK
Line Number: 1
Method Code: H010
Quantity Tons: 4.58700
Quantity Waste: 1100.000000

T I WIRE (Continued) **S112999220**

Quantity Unit:	G
Number of Containers:	4
Type of Container:	Portable tanks
Quantity Type:	Gallons
Federal Code:	D002

Year:	2019
EM Manifest ID:	540092
Generator EPA ID:	CAD008288102
Shipment Date:	2019-08-21
Manifest Number:	020150967JJK
Line Number:	1
Method Code:	H010
Quantity Tons:	4.58700
Quantity Waste:	1100.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Portable tanks
Quantity Type:	Gallons
Federal Code:	D007

State:

Year:	2019
EM Manifest ID:	540092
Generator EPA ID:	CAD008288102
Shipment Date:	2019-08-21
Manifest Number:	020150967JJK
Line Number:	1
Method Code:	H010
Quantity Tons:	4.58700
Quantity Waste:	1100.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Portable tanks
Quantity Type:	Gallons
State Code:	792

Year:	2019
EM Manifest ID:	405113
Shipment Date:	7/27/2018
Receipt Date:	8/6/2018
Manifest Number:	017252514JJK
Generator EPA ID:	CAD008288102
Name:	T.I. WIRE
Address:	12459 ARROW ROUTE
Address 2:	Not reported
City:	ETIWANDA
Zip:	91739
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	909-569-0123
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZD982484578
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870

T I WIRE (Continued) **S112999220**

TSDF Name: RINECO CHEMICAL INDUSTRIES, LLC
TSDF Address 1: 1007 VULCAN ROAD
TSDF Address 2: Not reported
TSDF City: BENTON
TSDF Zip: 72015
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 405113
Generator EPA ID: CAD008288102
Shipment Date: 2018-07-27
Manifest Number: 017252514JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.18700
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Gallons
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 405113
Generator EPA ID: CAD008288102
Shipment Date: 2018-07-27
Manifest Number: 017252514JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.18700
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Gallons
State Code: 343

Year: 2019
EM Manifest ID: 525087
Shipment Date: 7/18/2019
Receipt Date: 7/24/2019
Manifest Number: 007094274SKS
Generator EPA ID: CAD008288102
Name: T I WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Krish Singh
Contact Telephone: 909-899-1673
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250

T I WIRE (Continued) **S112999220**

Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: 525087
Generator EPA ID: CAD008288102
Shipment Date: 2019-07-18
Manifest Number: 007094274SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08400
Quantity Waste: 20.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2019
EM Manifest ID: da56612e-f8f8-4da2-bec9-e3ada45273d8
Shipment Date: 4/18/2019
Receipt Date: 4/24/2019
Manifest Number: 006866041SKS
Generator EPA ID: CAD008288102
Name: T I WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Krish Singh
Contact Telephone: 909-899-1673
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: da56612e-f8f8-4da2-bec9-e3ada45273d8
Generator EPA ID: CAD008288102
Shipment Date: 2019-04-18
Manifest Number: 006866041SKS

T I WIRE (Continued) **S112999220**

Line Number: 1
Method Code: H141
Quantity Tons: 0.08400
Quantity Waste: 20.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2019
EM Manifest ID: 677752
Shipment Date: 10/9/2019
Receipt Date: 10/20/2019
Manifest Number: 020786262JJK
Generator EPA ID: CAD008288102
Name: T.I. WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City: ETIWANDA
Zip: 91739
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 909-594-7511
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: AZD982484578
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: ARD981057870
TSDF Name: RINECO CHEMICAL INDUSTRIES, LLC
TSDF Address 1: 1007 VULCAN ROAD
TSDF Address 2: Not reported
TSDF City: BENTON
TSDF Zip: 72015
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 677752
Generator EPA ID: CAD008288102
Shipment Date: 2019-10-09
Manifest Number: 020786262JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.05100
Quantity Waste: 15.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Gallons
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 677752
Generator EPA ID: CAD008288102

T I WIRE (Continued) **S112999220**

Shipment Date: 2019-10-09
Manifest Number: 020786262JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.05100
Quantity Waste: 15.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Gallons
State Code: 343

Year: 2019
EM Manifest ID: 7093
Shipment Date: 10/9/2019
Receipt Date: 10/17/2019
Manifest Number: 007113943SKS
Generator EPA ID: CAD008288102
Name: T I WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City: SAN BERNARDINO
Zip: 92408
Telephone: 800-483-3718
Contact: Sherry Heywood
Contact Telephone: 909-899-1673
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: 7093
Generator EPA ID: CAD008288102
Shipment Date: 2019-10-09
Manifest Number: 007113943SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08400
Quantity Waste: 20.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2019
EM Manifest ID: 3cd13be6-e6db-4152-85e2-b2f102565087

T I WIRE (Continued) **S112999220**

Shipment Date: 1/24/2019
Receipt Date: 2/4/2019
Manifest Number: 006824313SKS
Generator EPA ID: CAD008288102
Name: T I WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Krish Singh
Contact Telephone: 909-899-1673
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: 3cd13be6-e6db-4152-85e2-b2f102565087
Generator EPA ID: CAD008288102
Shipment Date: 2019-01-24
Manifest Number: 006824313SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08400
Quantity Waste: 20.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Detail Two:
Year: 2018
EM Manifest ID: 017361395JJK20170905_D_1
Shipment Date: 9/5/2017
Receipt Date: 9/12/2017
Manifest Number: 017361395JJK
Generator EPA ID: CAD008288102
Name: TREE ISLAND WIRE - ETIWANDA
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000188201

T I WIRE (Continued) **S112999220**

Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD982030173
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000646117
TSDF Name: CHEMICAL WASTE MANAGEMENT
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 017361395JJK20170905_D_1
Generator EPA ID: CAD008288102
Shipment Date: 2017-09-05
Manifest Number: 017361395JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.41250
Quantity Waste: 825.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 181

Year: 2018
EM Manifest ID: 017361395JJK20170905_D_1
Generator EPA ID: CAD008288102
Shipment Date: 2017-09-05
Manifest Number: 017361395JJK
Line Number: 2
Method Code: H132
Quantity Tons: 0.41250
Quantity Waste: 825.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 006064373SKS20170829_D_1
Shipment Date: 8/29/2017
Receipt Date: 9/5/2017
Manifest Number: 006064373SKS
Generator EPA ID: CAD008288102
Name: T I WIRE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205

T I WIRE (Continued) **S112999220**

Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: SAFETY-KLEEN SYSTEMS INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006064373SKS20170829_D_1
Generator EPA ID: CAD008288102
Shipment Date: 2017-08-29
Manifest Number: 006064373SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08400
Quantity Waste: 20.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 134

Year: 2018
EM Manifest ID: 76006
Shipment Date: 8/1/2018
Receipt Date: 8/7/2018
Manifest Number: 006560742SKS
Generator EPA ID: CAD008288102
Name: T I WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Krish Singh
Contact Telephone: 909-899-1673
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2018
EM Manifest ID: 76006
Generator EPA ID: CAD008288102

T I WIRE (Continued) **S112999220**

Shipment Date: 2018-08-01
Manifest Number: 006560742SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08400
Quantity Waste: 20.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2018
EM Manifest ID: 006389288SKS20180508_D_1
Shipment Date: 5/8/2018
Receipt Date: 5/14/2018
Manifest Number: 006389288SKS
Generator EPA ID: CAD008288102
Name: T I WIRE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: SAFETY-KLEEN SYSTEMS INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006389288SKS20180508_D_1
Generator EPA ID: CAD008288102
Shipment Date: 2018-05-08
Manifest Number: 006389288SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08400
Quantity Waste: 20.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 134

Year: 2018
EM Manifest ID: 018446077JJK20180521_D_1

T I WIRE (Continued) **S112999220**

Shipment Date:	5/21/2018
Receipt Date:	6/1/2018
Manifest Number:	018446077JJK
Generator EPA ID:	CAD008288102
Name:	TREE ISLAND WIRE - ETIWANDA
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000646117
TSDF Name:	CHEMICAL WASTE MANAGEMENT
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	018446077JJK20180521_D_1
Generator EPA ID:	CAD008288102
Shipment Date:	2018-05-21
Manifest Number:	018446077JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	1.90000
Quantity Waste:	3800.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2018
EM Manifest ID:	018446077JJK20180521_D_1
Generator EPA ID:	CAD008288102
Shipment Date:	2018-05-21
Manifest Number:	018446077JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	018453483JJK20180307_D_1

T I WIRE (Continued) **S112999220**

Shipment Date: 3/7/2018
Receipt Date: 3/20/2018
Manifest Number: 018453483JJK
Generator EPA ID: CAD008288102
Name: TREE ISLAND WIRE - ETIWANDA
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD982030173
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000646117
TSDF Name: CHEMICAL WASTE MANAGEMENT
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 018453483JJK20180307_D_1
Generator EPA ID: CAD008288102
Shipment Date: 2018-03-07
Manifest Number: 018453483JJK
Line Number: 1
Method Code: H132
Quantity Tons: 3.60000
Quantity Waste: 7200.000000
Quantity Unit: P
Number of Containers: 6
Type of Container: NULL
Quantity Type: NULL
State Code: 181

Year: 2018
EM Manifest ID: 018453483JJK20180307_D_1
Generator EPA ID: CAD008288102
Shipment Date: 2018-03-07
Manifest Number: 018453483JJK
Line Number: 2
Method Code: H132
Quantity Tons: 1.50000
Quantity Waste: 3000.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 006579319SKS20180213_D_1

T I WIRE (Continued) **S112999220**

Shipment Date:	2/13/2018
Receipt Date:	2/19/2018
Manifest Number:	006579319SKS
Generator EPA ID:	CAD008288102
Name:	T I WIRE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006579319SKS20180213_D_1
Generator EPA ID:	CAD008288102
Shipment Date:	2018-02-13
Manifest Number:	006579319SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.08400
Quantity Waste:	20.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

Year:	2018
EM Manifest ID:	006417871SKS20171122_D_1
Shipment Date:	11/22/2017
Receipt Date:	11/28/2017
Manifest Number:	006417871SKS
Generator EPA ID:	CAD008288102
Name:	T I WIRE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250

T I WIRE (Continued) **S112999220**

Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: SAFETY-KLEEN SYSTEMS INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006417871SKS20171122_D_1
Generator EPA ID: CAD008288102
Shipment Date: 2017-11-22
Manifest Number: 006417871SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.08400
Quantity Waste: 20.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 134

Year: 2018
EM Manifest ID: 172880
Shipment Date: 10/30/2018
Receipt Date: 11/5/2018
Manifest Number: 006794266SKS
Generator EPA ID: CAD008288102
Name: T I WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Krish Singh
Contact Telephone: 909-899-1673
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2018
EM Manifest ID: 172880
Generator EPA ID: CAD008288102
Shipment Date: 2018-10-30
Manifest Number: 006794266SKS

T I WIRE (Continued) **S112999220**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.08400
Quantity Waste:	20.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2018
EM Manifest ID:	180758
Shipment Date:	10/15/2018
Receipt Date:	10/30/2018
Manifest Number:	019423065JJK
Generator EPA ID:	CAD008288102
Name:	T.I. WIRE
Address:	12459 ARROW ROUTE
Address 2:	Not reported
City:	ETIWANDA
Zip:	91739
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	909-569-0123
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-510-8510

Federal:

Year:	2018
EM Manifest ID:	180758
Generator EPA ID:	CAD008288102
Shipment Date:	2018-10-15
Manifest Number:	019423065JJK
Line Number:	3
Method Code:	H039
Quantity Tons:	2.29350
Quantity Waste:	550.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Portable tanks
Quantity Type:	Gallons
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	180758
Generator EPA ID:	CAD008288102

T I WIRE (Continued) **S112999220**

Shipment Date:	2018-10-15
Manifest Number:	019423065JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	5.00000
Quantity Waste:	10000.000000
Quantity Unit:	P
Number of Containers:	25
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2018
EM Manifest ID:	180758
Generator EPA ID:	CAD008288102
Shipment Date:	2018-10-15
Manifest Number:	019423065JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181

Year:	2018
EM Manifest ID:	180758
Generator EPA ID:	CAD008288102
Shipment Date:	2018-10-15
Manifest Number:	019423065JJK
Line Number:	3
Method Code:	H039
Quantity Tons:	2.29350
Quantity Waste:	550.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Portable tanks
Quantity Type:	Gallons
State Code:	791

Additional Info:

Year:	2017
Gen EPA ID:	CAD008288102

Shipment Date:	20171122
Creation Date:	7/17/2018 18:30:34
Receipt Date:	20171128
Manifest ID:	006417871SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC

T I WIRE (Continued) **S112999220**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171108
Creation Date:	8/3/2018 18:30:48
Receipt Date:	20171113
Manifest ID:	017362858JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	4.125
Waste Quantity:	8250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170905
Creation Date:	6/20/2018 18:32:00
Receipt Date:	20170912
Manifest ID:	017361395JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL IND
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4125

T I WIRE (Continued) **S112999220**

Waste Quantity:	825
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170905
Creation Date:	6/20/2018 18:32:00
Receipt Date:	20170912
Manifest ID:	017361395JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL IND
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4125
Waste Quantity:	825
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170829
Creation Date:	8/1/2018 18:31:11
Receipt Date:	20170905
Manifest ID:	006064373SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

T I WIRE (Continued) **S112999220**

Shipment Date:	20170706
Creation Date:	5/17/2018 18:31:53
Receipt Date:	20170713
Manifest ID:	015817053JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	3.75
Waste Quantity:	7500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170607
Creation Date:	8/1/2018 18:31:11
Receipt Date:	20170607
Manifest ID:	005813362SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170503
Creation Date:	5/16/2018 18:30:21
Receipt Date:	20170509
Manifest ID:	017035843JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported

T I WIRE (Continued) **S112999220**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170419
Creation Date:	5/9/2018 18:32:25
Receipt Date:	20170424
Manifest ID:	017035410JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170419
Creation Date:	5/9/2018 18:32:25
Receipt Date:	20170424
Manifest ID:	017035410JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported

T I WIRE (Continued) **S112999220**

Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.75
Waste Quantity: 1500
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAD008288102

Shipment Date: 20150814
Creation Date: 2/4/2016 22:15:54
Receipt Date: 20150814
Manifest ID: 013880232JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 16.856
Waste Quantity: 20
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150409
Creation Date: 9/3/2015 22:15:26
Receipt Date: 20150409
Manifest ID: 013880067JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 16.856

T I WIRE (Continued) **S112999220**

Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150318
Creation Date:	8/21/2015 22:15:54
Receipt Date:	20150318
Manifest ID:	014080217JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150304
Creation Date:	8/21/2015 22:15:54
Receipt Date:	20150310
Manifest ID:	013798776JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

T I WIRE (Continued) **S112999220**

Shipment Date:	20150304
Creation Date:	8/21/2015 22:15:54
Receipt Date:	20150310
Manifest ID:	013798776JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.1275
Waste Quantity:	750
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150304
Creation Date:	8/21/2015 22:15:54
Receipt Date:	20150310
Manifest ID:	013798776JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150205
Creation Date:	6/26/2015 22:15:23
Receipt Date:	20150205
Manifest ID:	007944997JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported

T I WIRE (Continued) **S112999220**

Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	351 - Organic solids with halogens
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150128
Creation Date:	6/26/2015 22:15:23
Receipt Date:	20150202
Manifest ID:	013692227JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150128
Creation Date:	6/26/2015 22:15:23
Receipt Date:	20150202
Manifest ID:	013692227JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported

T I WIRE (Continued) **S112999220**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150122
Creation Date:	6/26/2015 22:15:47
Receipt Date:	20150122
Manifest ID:	007944975JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD008288102
Shipment Date:	20150814
Creation Date:	2/4/2016 22:15:54
Receipt Date:	20150814
Manifest ID:	013880232JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856

T I WIRE (Continued) **S112999220**

Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150409
Creation Date:	9/3/2015 22:15:26
Receipt Date:	20150409
Manifest ID:	013880067JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150318
Creation Date:	8/21/2015 22:15:54
Receipt Date:	20150318
Manifest ID:	014080217JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

T I WIRE (Continued) **S112999220**

Shipment Date:	20150304
Creation Date:	8/21/2015 22:15:54
Receipt Date:	20150310
Manifest ID:	013798776JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150304
Creation Date:	8/21/2015 22:15:54
Receipt Date:	20150310
Manifest ID:	013798776JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.1275
Waste Quantity:	750
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150304
Creation Date:	8/21/2015 22:15:54
Receipt Date:	20150310
Manifest ID:	013798776JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928

T I WIRE (Continued) **S112999220**

Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150205
Creation Date:	6/26/2015 22:15:23
Receipt Date:	20150205
Manifest ID:	007944997JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	351 - Organic solids with halogens
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150128
Creation Date:	6/26/2015 22:15:23
Receipt Date:	20150202
Manifest ID:	013692227JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported

T I WIRE (Continued) **S112999220**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150128
Creation Date:	6/26/2015 22:15:23
Receipt Date:	20150202
Manifest ID:	013692227JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	JAG NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150122
Creation Date:	6/26/2015 22:15:47
Receipt Date:	20150122
Manifest ID:	007944975JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

T I WIRE (Continued) **S112999220**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD008288102
Shipment Date:	20140822
Creation Date:	2/6/2015 22:15:05
Receipt Date:	20140829
Manifest ID:	006842932JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140411
Creation Date:	9/9/2014 22:15:12
Receipt Date:	20140417
Manifest ID:	012849107JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

T I WIRE (Continued) **S112999220**

Shipment Date:	20140411
Creation Date:	9/9/2014 22:15:18
Receipt Date:	20140421
Manifest ID:	006842772JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140326
Creation Date:	8/14/2014 22:15:24
Receipt Date:	20140328
Manifest ID:	012848660JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140115
Creation Date:	6/9/2014 22:15:12
Receipt Date:	20140123
Manifest ID:	007299391JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported

T I WIRE (Continued) **S112999220**

Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD008288102
Shipment Date:	20131202
Creation Date:	5/10/2014 22:15:07
Receipt Date:	20131220
Manifest ID:	011254771JJK
Trans EPA ID:	CAL000350237
Trans Name:	STRESS LESS EXPRESS LLC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131001
Creation Date:	11/25/2013 22:15:16
Receipt Date:	20131010
Manifest ID:	011254703JJK
Trans EPA ID:	CAL000350237
Trans Name:	STRESS LESS EXPRESS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD28409109
Trans Name:	CROSBY & OVERTON

T I WIRE (Continued) **S112999220**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130807
Creation Date:	1/7/2014 22:15:06
Receipt Date:	20130813
Manifest ID:	009467377JJK
Trans EPA ID:	CAD082030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130425
Creation Date:	6/13/2013 22:15:07
Receipt Date:	20130425
Manifest ID:	011250303JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO TECH
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	16.68
Waste Quantity:	4000

T I WIRE (Continued) **S112999220**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130109
Creation Date:	5/8/2013 22:15:17
Receipt Date:	20130109
Manifest ID:	008626960JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD008288102
Shipment Date:	20121108
Creation Date:	2/15/2013 22:15:22
Receipt Date:	20121217
Manifest ID:	008625388JJK
Trans EPA ID:	CAL000350237
Trans Name:	STRESS LESS EXPRESS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

T I WIRE (Continued) **S112999220**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120816
Creation Date:	10/10/2012 22:15:39
Receipt Date:	20120821
Manifest ID:	008625342JJK
Trans EPA ID:	CAL000350237
Trans Name:	STRESS LESS EXPRESS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120814
Creation Date:	1/15/2013 22:15:15
Receipt Date:	20120815
Manifest ID:	009467060JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	D004
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120726
Creation Date:	9/26/2012 22:15:20
Receipt Date:	20120803

T I WIRE (Continued) **S112999220**

Manifest ID:	010229602JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.44025
Waste Quantity:	825
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120726
Creation Date:	12/24/2012 22:15:22
Receipt Date:	20120801
Manifest ID:	010229603JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120503
Creation Date:	10/19/2012 22:15:28
Receipt Date:	20120503
Manifest ID:	008624542JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

T I WIRE (Continued) **S112999220**

TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 16.856
Waste Quantity: 20
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120202
Creation Date: 6/16/2013 22:15:06
Receipt Date: Not reported
Manifest ID: 008625224JJK
Trans EPA ID: CAL000350237
Trans Name: STRESS LESS EXPRESS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: - Not reported
Quantity Tons: 0.1815
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120202
Creation Date: 7/18/2012 20:30:07
Receipt Date: 20120223
Manifest ID: 008625223JJK
Trans EPA ID: CAL000350237
Trans Name: STRESS LESS EXPRESS LLC
Trans 2 EPA ID: CAD980585293
Trans 2 Name: INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID: AZR000501510
Trans Name: AA SYDCOL LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

T I WIRE (Continued) **S112999220**

Quantity Tons: 0.1251
Waste Quantity: 30
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120201
Creation Date: 6/27/2012 20:30:08
Receipt Date: 20120201
Manifest ID: 009464036JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 16.856
Waste Quantity: 20
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: T I WIRE
Address: 12459 ARROW ROUTE
Address 2: Not reported
City,State,Zip: ETIWANDA, CA 91739
EPA ID: CAD008288102
Inactive Date: Not reported
Create Date: 07/23/1982
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 5080 HALLMARK PARKWAY
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN BERNARDINO, CA 924071835
Owner Name: TREE ISLAND WIRE USA INC
Owner Address: 5080 HALLMARK PARKWAY
Owner Address 2: Not reported
Owner City,State,Zip: SAN BERNARDINO, CA 924071835
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: ERIC JENSEN
Contact Address: 5080 HALLMARK PARKWAY
Contact Address 2: Not reported
City,State,Zip: SAN BERNARDINO, CA 92407

T I WIRE (Continued) **S112999220**

Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Active
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 34.099024
Longitude: -117.53379

NAICS:
EPA ID: CAD008288102
Create Date: 2002-03-14 16:36:26.000
NAICS Code: 3312
NAICS Description: Steel Product Manufacturing from Purchased Steel
Issued EPA ID Date: 1982-07-23 00:00:00
Inactive Date: Not reported
Facility Name: T I WIRE
Facility Address: 12459 ARROW ROUTE
Facility Address 2: Not reported
Facility City: ETIWANDA
Facility County: Not reported
Facility State: CA
Facility Zip: 917399601

EPA ID: CAD008288102
Create Date: 2004-02-05 07:41:11.000
NAICS Code: 331222
NAICS Description: Steel Wire Drawing
Issued EPA ID Date: 1982-07-23 00:00:00
Inactive Date: Not reported
Facility Name: T I WIRE
Facility Address: 12459 ARROW ROUTE
Facility Address 2: Not reported
Facility City: ETIWANDA
Facility County: Not reported
Facility State: CA
Facility Zip: 917399601

A20 **TERVITA US OPERATIONS LLC** **FINDS** **1018325909**
Target **12459-B ARROW RT** **ECHO** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 20 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110031018949

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

TERVITA US OPERATIONS LLC (Continued) **1018325909**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1018325909
- Registry ID: 110031018949
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110031018949
- Name: TERVITA US OPERATIONS LLC
- Address: 12459-B ARROW RT
- City,State,Zip: RANCHO CUCAMONGA, CA 91739

A21 **ETIWANDA FACILITY** **FINDS** **1023249950**
Target **12455 ARROW ROUTE** **N/A**
Property **ETIWANDA, CA 91739**

Site 21 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110065384569

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A22 **GOODMAN LOGISTICS CENTER** **WMUDS/SWAT** **S104156558**
Target **12455 ARROW ROUTE** **HIST UST** **N/A**
Property **RANCHO CUCAMONGA, CA 91739** **DEED**
CHMIRS
Site 22 of 103 in cluster A **LDS**
ENF
Actual: **San Bern. Co. Permit**
1140 ft. **WDS**
CIWQS
CERS

WMUDS/SWAT:
- Edit Date: Not reported
- Complexity: Not reported
- Primary Waste: PROCES
- Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
- Secondary Waste: Not reported
- Secondary Waste Type: Not reported
- Base Meridian: Not reported
- NPID: Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	AMERON PIPE CORP
Agency Department:	Not reported
Agency Address:	12455 ARROW ROUTE
Agency City,St,Zip:	ETIWANDA CA 91739
Agency Contact:	KIRK BATHGATE
Agency Telephone:	9098997808
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	8
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	3272
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	True
Regional Board Project Officer:	Not reported
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	8 362001001
Solid Waste Information ID:	Not reported

HIST UST:

Name:	AMERICAN PIPE ARROW PLANT
Address:	12455 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
File Number:	000298e0
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000298e0.pdf
Region:	Not reported
Facility ID:	Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

DEED:
Name: AMERON INTERNATIONAL CORP., BRINE FACILITY (CLOSED)
Address: 12455 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
Envirostor ID: T10000003511
Area: Not reported
Sub Area: Not reported
Site Type: LANDFILL
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 04/22/2015
File Name: Geotracker Land Use/Deed Restrictions

Name: AMERON INTERNATIONAL CORP., BRINE FACILITY (CLOSED)
Address: 12455 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
Envirostor ID: T10000003511
Area: Not reported
Sub Area: Not reported
Site Type: LANDFILL
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 07/27/2007
File Name: Geotracker Land Use/Deed Restrictions

CHMIRS:
Name: Not reported
Address: 12455 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
OES Incident Number: 08-3271
OES notification: 05/05/2008
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2145
Year:	2008
Agency:	Ameron Int
Incident Date:	3/14/2007
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	***HISTORICAL REPORT*** RP states that while fueling a truck, it was over filled causing a release onto the ground.
Name:	Not reported
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
OES Incident Number:	12-2072
OES notification:	04/09/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	storm drain
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1400
Year:	2012
Agency:	AMERON Env
Incident Date:	4/6/2012
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	storm drain
E Date:	Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Substance:	Ph Water
Quantity Released:	500-1000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A valve was stuck open causing the water to flow to a storm drain which is contained in the storm drain.

LDS:

Name:	AMERON INTERNATIONAL CORP., BRINE FACILITY (CLOSED)
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Global Id:	T10000003511
Latitude:	34.09452
Longitude:	-117.5324
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	07/21/2016
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Caseworker:	JPL
Local Agency:	Not reported
RB Case Number:	8 362001001
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Soil
EDR Link ID:	T10000003511
Potential Contaminants of Concern:	Other inorganic / salt
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	01/26/2012
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	07/21/2016
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 76-80%
CA Enviroscreen 4 Score: 65-70%
Military DOD Site: No
Facility Project Subtype: Title 27 - Surface Impoundment
RWQCB Region: SANTA ANA RWQCB (REGION 8)
Site History: Pond Construction - The SARWQCB records indicate that a wastewater pond was installed at the site in September 1966. The pond was used to hold industrial wastewater on-site. Brine Pond Permitting - The SARWQCB approved the operation of the pond under Resolution 66-26, which required testing of the effluent every two months. In 1967, site operations arranged for the construction of a small saline discharge pond to hold the waste segregated from the water softening process. Brine Pond Expansion - A larger brine pond was constructed on-site in 1970. The expanded pond was reportedly lined with polyethylene. The SARWQCB updated the site s waste discharge requirements in Resolution 70-22 in 1970. Permitting - The SARWQCB updated the 1976 Resolution with a Monitoring and Reporting Program Order (No. 82-142) in 1982 for industrial wastewater discharge monitoring at the site. The order No. 82-142 outlines ongoing monitoring and reporting of recycled cure yard water. Request for Soil Investigation - In 1994, the SARWQCB noted the brine pond had a liner fabricated with polyvinylchloride (PVC); however, the barrier was not equipped with a leak detection system. The SARWQCB requested soil sampling around the brine pond to evaluate soil impacts associated with the liner leakage. The memo also stated that use of the pond had to cease while pond retrofitting was implemented. If contamination was found to exist below the pond, which could not be removed by soil excavation, then a surface cap would have to be constructed to prevent water infiltration. Discharges to the brine pond ceased in March 1994. Brine Pond Abandonment Work Plan - On August 18, 1994, a brine pond abandonment work plan was prepared and submitted to the SARWQCB to conduct the following: (1) evaporate the water in the soil; (2) remove the soil above the pond liner; (3) remove the pond liner; (4) conduct field analytical tests, and; (5) submit samples to the laboratory for testing. Liner Removal, Excavation, and Soil Disposal - A report prepared by Hemphill Green and Associates indicates that the liner from the brine pond was removed in October of 1994 and 555 tons of soil were removed from the site. Soil Investigation - On June 29, 1995, subsurface soil samples were collected and a soil investigation report was prepared. Based on a subsurface investigation, subsurface soil had been impacted above SARWQCB limits by the pond wastewater which had leaked through the liner material. Lateral Delineation - It was determined that the lateral extent of total dissolved solids (TDS) impacts was delineated. In 2005, all the liquid had been removed from the pond, material above the liner was removed, and the pond was backfilled with approximately 6.5 feet of compacted fill from the site. An engineered brine pond cap had been placed on the former pond in accordance with the technical specifications approved by the SARWQCB. Closure Report - The Final Cap Closure Report was approved by the SARWQCB in 2007. A Declaration of Restrictions was signed during the same year. An annual cap monitoring and maintenance plan is in effect at the site. Cap and Liner Design - Encon installed a cap that incorporated a reinforced block retaining wall, backfill material, and a 30-mil polyvinyl liner over the brine pond area for leak detection (Figure 6). The brine pond area abandonment and cap

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

construction were performed based on the Encon Brine Pond Permanent Cap Work Plan (ENCON, 2003). The 30-mil liner was installed between a 6-inch layer of sand below the liner, and a 12- inch layer of sand above the liner. An 8-inch thick concrete rebar-reinforced cap was installed above the liner with a 6-inch gravel base. The purpose of the cap is to prevent infiltration of water through the TDS-impacted soil and to prevent migration of TDS mass into the aquifer. The purpose of the liner is to act as a secondary barrier; combined with a monitoring well, it is designed to detect and contain cap leaks. Goodman Birtcher acquired the Ameron site property in late 2013, and redeveloped the site into a warehouse distribution center, Goodman Logistic Center. The existing brine pond cap has been modified and the former brine pond area has been used as a parking lot. Board files for this case has been renamed from "Ameron Pipe Division, Southern California (Arrow Plant), Etiwanda" to "Goodman Logistic Center, Rancho Cucamonga"

Click here to access the California GeoTracker records for this facility:

ENF:

Name:	ETIWANDA FACILITY
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Region:	8
Facility Id:	222993
Agency Name:	Ameron International - Water Transmission Group
Place Type:	Manufacturing
Place Subtype:	Concrete Manufacturing
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.099071
Place Longitude:	-117.534015
SIC Code 1:	3272
SIC Desc 1:	Concrete Products, Except Block and Brick
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRINDIVLRG

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	8 362001001
Reg Measure Id:	137750
Reg Measure Type:	WDR
Region:	8
Order #:	82-142
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	11/02/2011
Effective Date:	05/14/1982
Expiration/Review Date:	05/10/1997
Termination Date:	10/28/2011
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	15 - WDRs pending rescission
Direction/Voice:	Passive
Enforcement Id(EID):	244735
Region:	8
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/30/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/30/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 8 362001001
Description:	Not reported
Program:	WDRINDIVLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ETIWANDA FACILITY
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Region:	8
Facility Id:	222993
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Concrete Manufacturing
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.099071
Place Longitude:	-117.534015
SIC Code 1:	3272
SIC Desc 1:	Concrete Products, Except Block and Brick
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	382959
Region:	8
Order / Resolution Number:	Not reported
Enforcement Action Type:	13267 Letter
Effective Date:	06/20/2007
Adoption/Issuance Date:	06/20/2007
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	13267 for Ameron International - Etiwanda
Description:	Requiring Ameron International to inspect and maintain the closure cap for the closed brine pond at the site in accordance with the cap maintenance program approved by Board staff on June 20, 2007 (see attached). The cap inspection and maintenance program was revised via the Board's March 13, 2012 letter (see attachments).
Program:	LNDISPOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

San Bern. Co. Permit:

Name:	AMERON INTERNATIONAL WATER TRANSMISSION GROUP
Address:	12455 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0000929
Owner:	AMERON INTERNATIONAL
Permit Number:	PT0020272
Permit Category:	APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status:	INACTIVE
Expiration Date:	08/31/2014

Name:	AMERON INTERNATIONAL WATER TRANSMISSION GROUP
Address:	12455 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0000929
Owner:	AMERON INTERNATIONAL
Permit Number:	PT0002252
Permit Category:	HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	08/31/2014

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Name: AMERON INTERNATIONAL WATER TRANSMISSION GROUP
Address: 12455 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000929
Owner: AMERON INTERNATIONAL
Permit Number: PT0002253
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 08/31/2014

Name: AMERON INTERNATIONAL WATER TRANSMISSION GROUP
Address: 12455 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000929
Owner: AMERON INTERNATIONAL
Permit Number: PT0020271
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 08/31/2013

WDS:
Name: STORMETIWANDA
Address: 12455 ARROW ROUTE
City: ETIWANDA
Facility ID: Santa Ana River 36I007020
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 8
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: AMERON PIPE CORP
Agency Address: 12455 ARROW ROUTE
Agency City,St,Zip: ETIWANDA 91739
Agency Contact: KIRK BATHGATE
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Name:	ETIWANDA FACILITY
Address:	12455 ARROW ROUTE
City:	ETIWANDA
Facility ID:	Santa Ana River 362001001
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	8
Facility Telephone:	Not reported
Facility Contact:	KIRK BATHGATE
Agency Name:	AMERON PIPE CORP
Agency Address:	12455 ARROW ROUTE
Agency City,St,Zip:	ETIWANDA 91739
Agency Contact:	KIRK BATHGATE
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	3272
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	PROCES
Waste Type2:	Not reported
Waste2:	Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

CIWQS:

Name:	AMERON CONC & STEEL PIPE GRP
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Agency:	Ameron International
Agency Address:	12455 Arrow Rte, Etiwanda, CA 91739
Place/Project Type:	Industrial - Concrete Products, Except Block and Brick
SIC/NAICS:	3272(+)
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I007020
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	06/27/1992
Termination Date:	06/05/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09905
Longitude:	-117.53405

Name:	ETIWANDA FACILITY
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Agency:	Ameron International - Water Transmission Group
Agency Address:	12455 Arrow Route, Etiwanda, CA 91739
Place/Project Type:	Concrete Manufacturing
SIC/NAICS:	3272
Region:	8
Program:	WDRINDIVLRG
Regulatory Measure Status:	Historical
Regulatory Measure Type:	WDR
Order Number:	82-142
WDID:	8 362001001
NPDES Number:	Not reported
Adoption Date:	05/14/1982
Effective Date:	05/14/1982
Termination Date:	10/28/2011

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Expiration/Review Date:	05/10/1997
Design Flow:	0.0001
Major/Minor:	Not reported
Complexity:	B
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.099071
Longitude:	-117.534015

Name:	GOODMAN LOGISTICS CENTER
Address:	12455 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	goodman rancho spe llc
Agency Address:	18201 von karman ave suite 1170, Irvine, CA 92612
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C368827
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/31/2014
Termination Date:	12/29/2015
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.098035
Longitude:	-117.527665

CERS:

Name:	ETIWANDA FACILITY
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Site ID:	314231
CERS ID:	222993
CERS Description:	Waste Discharge Requirements

Enforcement Action:

Site ID:	314231
Site Name:	Etiwanda Facility
Site Address:	12455 ARROW ROUTE
Site City:	ETIWANDA
Site Zip:	91739
Enf Action Date:	06-20-2007
Enf Action Type:	Enforcement Letter (Formal)
Enf Action Description:	Enforcement Letter Citing Violations and with Required Actions (Formal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Site ID: 314231
Site Name: Etiwanda Facility
Site Address: 12455 ARROW ROUTE
Site City: ETIWANDA
Site Zip: 91739
Enf Action Date: 01-30-2003
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Name: AMERON INTERNATIONAL CORP., BRINE FACILITY (CLOSED)
Address: 12455 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
Site ID: 633854
CERS ID: T10000003511
CERS Description: Land Disposal Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOANNE LEE - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

A23 **TAMCO** **HAZNET** **S113015539**
Target **12459-B ARROW ROUTE** **HWTS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 23 of 103 in cluster A

Actual:
1140 ft.

HAZNET:
Name: TAMCO
Address: 12459-B ARROW ROUTE
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 917390000
Contact: ALBERTO D. MENDOZA
Telephone: 9096467822
Mailing Name: Not reported
Mailing Address: PO BOX 911

Year: 2021
Gepaid: CAD982361404
TSD EPA ID: NVT330010000
CA Waste Code: 591 - Baghouse waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

TAMCO (Continued) **S113015539**

Tons:	31.92
Year:	2021
Gepaid:	CAD982361404
TSD EPA ID:	AZR000506980
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H100 -
Tons:	16.8
Year:	2021
Gepaid:	CAD982361404
TSD EPA ID:	UTD991301748
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.2
Year:	2021
Gepaid:	CAD982361404
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	3.57
Year:	2021
Gepaid:	CAD982361404
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1499.255
Year:	2021
Gepaid:	CAD982361404
TSD EPA ID:	NED981723513
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.1
Year:	2021
Gepaid:	CAD982361404
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	319.2
Year:	2021
Gepaid:	CAD982361404
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05

TAMCO (Continued) **S113015539**

Year:	2021
Gepaid:	CAD982361404
TSD EPA ID:	CAT000613976
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.218
Year:	2021
Gepaid:	CAD982361404
TSD EPA ID:	UTD991301748
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.075

Click this hyperlink while viewing on your computer to access
581 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAD982361404
Shipment Date:	9/29/2020
Creation Date:	10/26/2020
Receipt Date:	10/6/2020
Manifest ID:	007787785SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAT000613976
Trans Name:	Safety-Kleen Systems, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	10/2/2020
Receipt Date:	9/28/2020
Manifest ID:	015228298JJK
Trans EPA ID:	CAR000272583
Trans Name:	ECOLOGY AUTO PARTS INC
Trans 2 EPA ID:	Not reported

TAMCO (Continued) **S113015539**

Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/24/2020
Creation Date:	10/1/2020
Receipt Date:	9/25/2020
Manifest ID:	015228299JJK
Trans EPA ID:	CAR000272583
Trans Name:	ECOLOGY AUTO PARTS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/23/2020
Creation Date:	9/30/2020
Receipt Date:	9/24/2020
Manifest ID:	021971031JJK
Trans EPA ID:	CAR000272583
Trans Name:	ECOLOGY AUTO PARTS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported

TAMCO (Continued) **S113015539**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/22/2020
Creation Date:	9/29/2020
Receipt Date:	9/23/2020
Manifest ID:	015228316JJK
Trans EPA ID:	CAR000272583
Trans Name:	ECOLOGY AUTO PARTS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/13/2020
Receipt Date:	9/23/2020
Manifest ID:	007658011SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAT000613976
Trans Name:	Safety-Kleen Systems, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.764
Waste Quantity:	420
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

TAMCO (Continued) **S113015539**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/25/2020
Receipt Date:	10/5/2020
Manifest ID:	007639789SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/25/2020
Receipt Date:	10/5/2020
Manifest ID:	007639789SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/11/2020
Creation Date:	9/16/2020
Receipt Date:	9/11/2020

TAMCO (Continued) **S113015539**

Manifest ID:	021971012JJK
Trans EPA ID:	CAL000442382
Trans Name:	SB ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/10/2020
Creation Date:	9/17/2020
Receipt Date:	9/11/2020
Manifest ID:	021971028JJK
Trans EPA ID:	CAR000293274
Trans Name:	ACTION CLEANUP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	28.2
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAD982361404
Shipment Date:	9/29/2020
Creation Date:	10/26/2020
Receipt Date:	10/6/2020
Manifest ID:	007787785SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.

TAMCO (Continued) **S113015539**

Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAT000613976
Trans Name:	Safety-Kleen Systems, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	10/2/2020
Receipt Date:	9/28/2020
Manifest ID:	015228298JJK
Trans EPA ID:	CAR000272583
Trans Name:	ECOLOGY AUTO PARTS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/24/2020
Creation Date:	10/1/2020
Receipt Date:	9/25/2020
Manifest ID:	015228299JJK
Trans EPA ID:	CAR000272583
Trans Name:	ECOLOGY AUTO PARTS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics

TAMCO (Continued) **S113015539**

RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/23/2020
Creation Date:	9/30/2020
Receipt Date:	9/24/2020
Manifest ID:	021971031JJK
Trans EPA ID:	CAR000272583
Trans Name:	ECOLOGY AUTO PARTS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/22/2020
Creation Date:	9/29/2020
Receipt Date:	9/23/2020
Manifest ID:	015228316JJK
Trans EPA ID:	CAR000272583
Trans Name:	ECOLOGY AUTO PARTS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported

TAMCO (Continued) **S113015539**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/25/2020
Receipt Date:	10/5/2020
Manifest ID:	007639789SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/25/2020
Receipt Date:	10/5/2020
Manifest ID:	007639789SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/15/2020
Creation Date:	10/13/2020

TAMCO (Continued) **S113015539**

Receipt Date:	9/23/2020
Manifest ID:	007658011SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAT000613976
Trans Name:	Safety-Kleen Systems, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.764
Waste Quantity:	420
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/11/2020
Creation Date:	9/16/2020
Receipt Date:	9/11/2020
Manifest ID:	021971012JJK
Trans EPA ID:	CAL000442382
Trans Name:	SB ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/10/2020
Creation Date:	9/17/2020
Receipt Date:	9/11/2020
Manifest ID:	021971028JJK
Trans EPA ID:	CAR000293274
Trans Name:	ACTION CLEANUP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000

TAMCO (Continued) **S113015539**

Trans Name:	US ECOLOGY NEVADA, INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	28.2
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	a0d71050-9e88-42db-b763-e059739a7795
Shipment Date:	9/29/2020
Receipt Date:	10/6/2020
Manifest Number:	007787785SKS
Generator EPA ID:	CAD982361404
Name:	TAMCO
Address:	12459-B ARROW ROUTE HWY
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-483-3718
Contact:	Alberto Mendoza
Contact Telephone:	909-908-0973
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	a0d71050-9e88-42db-b763-e059739a7795
Generator EPA ID:	CAD982361404
Shipment Date:	2020-09-29
Manifest Number:	007787785SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.46200
Quantity Waste:	110.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons

TAMCO (Continued) **S113015539**

State Code: 134

Year: 2020
EM Manifest ID: a2c2f0d3-12e7-4003-868c-300fbd4cdf6a
Shipment Date: 9/15/2020
Receipt Date: 9/23/2020
Manifest Number: 007658011SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Alberto Mendoza
Contact Telephone: 909-908-0973
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2020
EM Manifest ID: a2c2f0d3-12e7-4003-868c-300fbd4cdf6a
Generator EPA ID: CAD982361404
Shipment Date: 2020-09-15
Manifest Number: 007658011SKS
Line Number: 1
Method Code: H141
Quantity Tons: 1.76400
Quantity Waste: 420.000000
Quantity Unit: G
Number of Containers: 14
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2020
EM Manifest ID: 27778ed6-c5f3-42d2-b2fa-71692513509a
Shipment Date: 9/15/2020
Receipt Date: 10/5/2020
Manifest Number: 007639789SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718

TAMCO (Continued) **S113015539**

Contact: Alberto Mendoza
Contact Telephone: 909-908-0973
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: UTD991301748
TSDF Name: Clean Harbors Grassy Mountain LLC
TSDF Address 1: 3 Miles East 7 Miles North of Knolls
TSDF Address 2: Exit 41 off I-80
TSDF City: Grantsville
TSDF Zip: 84029
TSDF Telephone: 800-483-3718

State:
Year: 2020
EM Manifest ID: 27778ed6-c5f3-42d2-b2fa-71692513509a
Generator EPA ID: CAD982361404
Shipment Date: 2020-09-15
Manifest Number: 007639789SKS
Line Number: 2
Method Code: H132
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 223

Year: 2020
EM Manifest ID: 27778ed6-c5f3-42d2-b2fa-71692513509a
Generator EPA ID: CAD982361404
Shipment Date: 2020-09-15
Manifest Number: 007639789SKS
Line Number: 3
Method Code: H132
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 493adb9c-d2df-48db-87ce-1f6464d8b70c
Shipment Date: 9/1/2020
Receipt Date: 9/16/2020
Manifest Number: 007641291SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718

TAMCO (Continued) **S113015539**

Contact: Alberto Mendoza
Contact Telephone: 909-908-0973
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:

Year: 2020
EM Manifest ID: 493adb9c-d2df-48db-87ce-1f6464d8b70c
Generator EPA ID: CAD982361404
Shipment Date: 2020-09-01
Manifest Number: 007641291SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.33600
Quantity Waste: 80.000000
Quantity Unit: G
Number of Containers: 3
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2020
EM Manifest ID: c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Shipment Date: 8/4/2020
Receipt Date: 8/17/2020
Manifest Number: 007559758SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Alberto Mendoza
Contact Telephone: 909-908-0973
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NED981723513
TSDF Name: Clean Harbors Environmental Services, Inc.
TSDF Address 1: 2247 South Highway 71
TSDF Address 2: Not reported
TSDF City: Kimball
TSDF Zip: 69145
TSDF Telephone: 800-483-3718

Federal:

TAMCO (Continued) **S113015539**

Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005

Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D006

Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases

TAMCO (Continued) **S113015539**

Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D008
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D035
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D039
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.00000
Quantity Waste:	2000.000000

TAMCO (Continued) **S113015539**

Quantity Unit: P
Number of Containers: 4
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D040

Year: 2020
EM Manifest ID: c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID: CAD982361404
Shipment Date: 2020-08-04
Manifest Number: 007559758SKS
Line Number: 1
Method Code: H040
Quantity Tons: 1.00000
Quantity Waste: 2000.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: F003

Year: 2020
EM Manifest ID: c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID: CAD982361404
Shipment Date: 2020-08-04
Manifest Number: 007559758SKS
Line Number: 1
Method Code: H040
Quantity Tons: 1.00000
Quantity Waste: 2000.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: F005

Year: 2020
EM Manifest ID: c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID: CAD982361404
Shipment Date: 2020-08-04
Manifest Number: 007559758SKS
Line Number: 2
Method Code: H040
Quantity Tons: 1.02500
Quantity Waste: 2050.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID: CAD982361404
Shipment Date: 2020-08-04
Manifest Number: 007559758SKS
Line Number: 2

TAMCO (Continued) **S113015539**

Method Code:	H040
Quantity Tons:	1.02500
Quantity Waste:	2050.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D005
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	1.02500
Quantity Waste:	2050.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D006
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	1.02500
Quantity Waste:	2050.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	1.02500
Quantity Waste:	2050.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D008
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404

TAMCO (Continued) **S113015539**

Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	1.02500
Quantity Waste:	2050.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D035
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	1.02500
Quantity Waste:	2050.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D040
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	1.02500
Quantity Waste:	2050.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	F003
Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	1.02500
Quantity Waste:	2050.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	F005

TAMCO (Continued) **S113015539**

State:

Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	212

Year:	2020
EM Manifest ID:	c6fe3c80-c060-410a-b6de-a6cfbc8949a1
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007559758SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	1.02500
Quantity Waste:	2050.000000
Quantity Unit:	P
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2020
EM Manifest ID:	0a642919-415c-4ced-88aa-72d249d57662
Shipment Date:	8/4/2020
Receipt Date:	9/2/2020
Manifest Number:	007652086SKS
Generator EPA ID:	CAD982361404
Name:	TAMCO
Address:	12459-B ARROW ROUTE HWY
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-483-3718
Contact:	Alberto Mendoza
Contact Telephone:	909-908-0973
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	UTD991301748
TSDF Name:	Clean Harbors Grassy Mountain LLC
TSDF Address 1:	3 Miles East 7 Miles North of Knolls
TSDF Address 2:	Exit 41 off I-80
TSDF City:	Grantsville
TSDF Zip:	84029
TSDF Telephone:	800-483-3718

TAMCO (Continued) **S113015539**

State:

Year:	2020
EM Manifest ID:	0a642919-415c-4ced-88aa-72d249d57662
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007652086SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2020
EM Manifest ID:	12618069-9404-4217-b204-fa0c546d1746
Shipment Date:	8/4/2020
Receipt Date:	8/11/2020
Manifest Number:	007652087SKS
Generator EPA ID:	CAD982361404
Name:	TAMCO
Address:	12459-B ARROW ROUTE HWY
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-483-3718
Contact:	Alberto Mendoza
Contact Telephone:	909-908-0973
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	12618069-9404-4217-b204-fa0c546d1746
Generator EPA ID:	CAD982361404
Shipment Date:	2020-08-04
Manifest Number:	007652087SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.46200
Quantity Waste:	110.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons

TAMCO (Continued) **S113015539**

State Code: 134

Year: 2020
EM Manifest ID: f14d6f7e-90c4-4da2-a446-fb75fd57f480
Shipment Date: 8/18/2020
Receipt Date: 8/24/2020
Manifest Number: 007651167SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Alberto Mendoza
Contact Telephone: 909-908-0973
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2020
EM Manifest ID: f14d6f7e-90c4-4da2-a446-fb75fd57f480
Generator EPA ID: CAD982361404
Shipment Date: 2020-08-18
Manifest Number: 007651167SKS
Line Number: 1
Method Code: H141
Quantity Tons: 1.80600
Quantity Waste: 430.000000
Quantity Unit: G
Number of Containers: 15
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2020
EM Manifest ID: 2900f868-c760-417e-8f74-4c2623abba3d
Shipment Date: 8/18/2020
Receipt Date: 9/2/2020
Manifest Number: 007513230SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718

TAMCO (Continued) **S113015539**

Contact: Alberto Mendoza
Contact Telephone: 909-908-0973
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: UTD991301748
TSDF Name: Clean Harbors Grassy Mountain LLC
TSDF Address 1: 3 Miles East 7 Miles North of Knolls
TSDF Address 2: Exit 41 off I-80
TSDF City: Grantsville
TSDF Zip: 84029
TSDF Telephone: 800-483-3718

State:
Year: 2020
EM Manifest ID: 2900f868-c760-417e-8f74-4c2623abba3d
Generator EPA ID: CAD982361404
Shipment Date: 2020-08-18
Manifest Number: 007513230SKS
Line Number: 2
Method Code: H132
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: a9275ee9-50b1-475c-a21b-d6040829a83b
Shipment Date: 7/7/2020
Receipt Date: 7/15/2020
Manifest Number: 007691172SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Alberto Mendoza
Contact Telephone: 909-908-0973
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:

TAMCO (Continued) **S113015539**

Year:	2020
EM Manifest ID:	a9275ee9-50b1-475c-a21b-d6040829a83b
Generator EPA ID:	CAD982361404
Shipment Date:	2020-07-07
Manifest Number:	007691172SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.50400
Quantity Waste:	120.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Detail Two:

Year:	2019
EM Manifest ID:	654064
Shipment Date:	9/11/2019
Receipt Date:	9/23/2019
Manifest Number:	007207053SKS
Generator EPA ID:	CAD982361404
Name:	CMC STEEL
Address:	12459-B ARROW ROUTE HWY
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-483-3718
Contact:	Alfonso Ruiz Jr
Contact Telephone:	909-899-0660
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	UTD991301748
TSDF Name:	Clean Harbors Grassy Mountain LLC
TSDF Address 1:	PO Box 22750
TSDF Address 2:	Not reported
TSDF City:	Salt Lake City
TSDF Zip:	84122
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	654064
Generator EPA ID:	CAD982361404
Shipment Date:	2019-09-11
Manifest Number:	007207053SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.35000
Quantity Waste:	700.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds

TAMCO (Continued) **S113015539**

State Code: 331

Year: 2019
EM Manifest ID: 637897
Shipment Date: 9/11/2019
Receipt Date: 9/18/2019
Manifest Number: 007103110SKS
Generator EPA ID: CAD982361404
Name: CMC STEEL
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Alfonso Ruiz Jr
Contact Telephone: 909-899-0660
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000003681
TSDF Name: Thermo Fluids, Inc.
TSDF Address 1: 4301 West Jefferson Street
TSDF Address 2: Not reported
TSDF City: Phoenix
TSDF Zip: 85043
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: 637897
Generator EPA ID: CAD982361404
Shipment Date: 2019-09-11
Manifest Number: 007103110SKS
Line Number: 1
Method Code: H039
Quantity Tons: 0.50000
Quantity Waste: 1000.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 223

Year: 2019
EM Manifest ID: 637896
Shipment Date: 9/11/2019
Receipt Date: 9/17/2019
Manifest Number: 007103109SKS
Generator EPA ID: CAD982361404
Name: CMC STEEL
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718

TAMCO (Continued) **S113015539**

Contact:	Alfonso Ruiz Jr
Contact Telephone:	909-899-0660
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	637896
Generator EPA ID:	CAD982361404
Shipment Date:	2019-09-11
Manifest Number:	007103109SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	1.51200
Quantity Waste:	360.000000
Quantity Unit:	G
Number of Containers:	13
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2019
EM Manifest ID:	572357
Shipment Date:	8/13/2019
Receipt Date:	8/21/2019
Manifest Number:	007192716SKS
Generator EPA ID:	CAD982361404
Name:	CMC STEEL
Address:	12459-B ARROW ROUTE HWY
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-483-3718
Contact:	Alfonso Ruiz Jr
Contact Telephone:	909-899-0660
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

TAMCO (Continued) **S113015539**

Year:	2019
EM Manifest ID:	572357
Generator EPA ID:	CAD982361404
Shipment Date:	2019-08-13
Manifest Number:	007192716SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.46200
Quantity Waste:	110.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2019
EM Manifest ID:	777773
Shipment Date:	8/13/2019
Receipt Date:	9/9/2019
Manifest Number:	007146071SKS
Generator EPA ID:	CAD982361404
Name:	CMC STEEL
Address:	12459-B ARROW ROUTE HWY
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-483-3718
Contact:	Alfonso Ruiz Jr
Contact Telephone:	909-899-0660
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	UTD991301748
TSDF Name:	Clean Harbors Grassy Mountain LLC
TSDF Address 1:	PO Box 22750
TSDF Address 2:	Not reported
TSDF City:	Salt Lake City
TSDF Zip:	84122
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	777773
Generator EPA ID:	CAD982361404
Shipment Date:	2019-08-13
Manifest Number:	007146071SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

TAMCO (Continued) **S113015539**

Year:	2019
EM Manifest ID:	a06bf450-947d-44b0-a0f7-19a1e9361d43
Shipment Date:	8/13/2019
Receipt Date:	8/30/2019
Manifest Number:	007146072SKS
Generator EPA ID:	CAD982361404
Name:	CMC STEEL
Address:	12459-B ARROW ROUTE HWY
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-483-3718
Contact:	Alfonso Ruiz Jr
Contact Telephone:	909-899-0660
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.
TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2019
EM Manifest ID:	a06bf450-947d-44b0-a0f7-19a1e9361d43
Generator EPA ID:	CAD982361404
Shipment Date:	2019-08-13
Manifest Number:	007146072SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.17500
Quantity Waste:	350.000000
Quantity Unit:	P
Number of Containers:	7
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	a06bf450-947d-44b0-a0f7-19a1e9361d43
Generator EPA ID:	CAD982361404
Shipment Date:	2019-08-13
Manifest Number:	007146072SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.17500
Quantity Waste:	350.000000
Quantity Unit:	P
Number of Containers:	7
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D005

Year: 2019

TAMCO (Continued) **S113015539**

EM Manifest ID: a06bf450-947d-44b0-a0f7-19a1e9361d43
Generator EPA ID: CAD982361404
Shipment Date: 2019-08-13
Manifest Number: 007146072SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.17500
Quantity Waste: 350.000000
Quantity Unit: P
Number of Containers: 7
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D006

Year: 2019
EM Manifest ID: a06bf450-947d-44b0-a0f7-19a1e9361d43
Generator EPA ID: CAD982361404
Shipment Date: 2019-08-13
Manifest Number: 007146072SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.17500
Quantity Waste: 350.000000
Quantity Unit: P
Number of Containers: 7
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

State:
Year: 2019
EM Manifest ID: a06bf450-947d-44b0-a0f7-19a1e9361d43
Generator EPA ID: CAD982361404
Shipment Date: 2019-08-13
Manifest Number: 007146072SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.17500
Quantity Waste: 350.000000
Quantity Unit: P
Number of Containers: 7
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2019
EM Manifest ID: 006560739SKS20180801_D_1
Shipment Date: 8/1/2018
Receipt Date: 8/14/2018
Manifest Number: 006560739SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported

TAMCO (Continued) **S113015539**

Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	THERMO FLUIDS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	006560739SKS20180801_D_1
Generator EPA ID:	CAD982361404
Shipment Date:	2018-08-01
Manifest Number:	006560739SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2019
EM Manifest ID:	383619
Shipment Date:	7/9/2018
Receipt Date:	7/20/2018
Manifest Number:	008769885FLE
Generator EPA ID:	CAD982361404
Name:	TAMCO
Address:	12459-B ARROW ROUTE
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739-0000
Telephone:	310-345-6714
Contact:	Not reported
Contact Telephone:	909-899-0660
Transporter 1 EPA ID:	CAR000164327
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

TAMCO (Continued) **S113015539**

State:

Year:	2019
EM Manifest ID:	383619
Generator EPA ID:	CAD982361404
Shipment Date:	2018-07-09
Manifest Number:	008769885FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343

Year:	2019
EM Manifest ID:	476664
Shipment Date:	7/18/2019
Receipt Date:	7/24/2019
Manifest Number:	007142432SKS
Generator EPA ID:	CAD982361404
Name:	CMC STEEL
Address:	12459-B ARROW ROUTE HWY
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-483-3718
Contact:	Alfonso Ruiz Jr
Contact Telephone:	909-899-0660
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	476664
Generator EPA ID:	CAD982361404
Shipment Date:	2019-07-18
Manifest Number:	007142432SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	1.84800
Quantity Waste:	440.000000
Quantity Unit:	G
Number of Containers:	17
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons

TAMCO (Continued) **S113015539**

State Code: 134

Year: 2019
EM Manifest ID: ac55ebc9-87ef-4cc1-a19a-cea418b28958
Shipment Date: 7/18/2019
Receipt Date: 7/25/2019
Manifest Number: 007145593SKS
Generator EPA ID: CAD982361404
Name: CMC STEEL
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Alfonso Ruiz Jr
Contact Telephone: 909-899-0660
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000003681
TSDF Name: Thermo Fluids, Inc.
TSDF Address 1: 4301 West Jefferson Street
TSDF Address 2: Not reported
TSDF City: Phoenix
TSDF Zip: 85043
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: ac55ebc9-87ef-4cc1-a19a-cea418b28958
Generator EPA ID: CAD982361404
Shipment Date: 2019-07-18
Manifest Number: 007145593SKS
Line Number: 1
Method Code: H039
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 223

Detail Two:
Year: 2018
EM Manifest ID: 006351879SKS20170928_D_1
Shipment Date: 9/28/2017
Receipt Date: 10/9/2017
Manifest Number: 006351879SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: Not reported
Address 2: Not reported
City: Not reported

TAMCO (Continued) **S113015539**

Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: SAFETY-KLEEN SYSTEMS INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006351879SKS20170928_D_1
Generator EPA ID: CAD982361404
Shipment Date: 2017-09-28
Manifest Number: 006351879SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.42000
Quantity Waste: 100.000000
Quantity Unit: G
Number of Containers: 5
Type of Container: NULL
Quantity Type: NULL
State Code: 134

Year: 2018
EM Manifest ID: 006246304SKS20170928_D_1
Shipment Date: 9/28/2017
Receipt Date: 10/16/2017
Manifest Number: 006246304SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD044429835
TSDF Name: CLEAN HARBORS OF WILMINGTON LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

TAMCO (Continued) **S113015539**

State:

Year:	2018
EM Manifest ID:	006246304SKS20170928_D_1
Generator EPA ID:	CAD982361404
Shipment Date:	2017-09-28
Manifest Number:	006246304SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	006351878SKS20170928_D_1
Shipment Date:	9/28/2017
Receipt Date:	10/11/2017
Manifest Number:	006351878SKS
Generator EPA ID:	CAD982361404
Name:	TAMCO
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	THERMO FLUIDS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006351878SKS20170928_D_1
Generator EPA ID:	CAD982361404
Shipment Date:	2017-09-28
Manifest Number:	006351878SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL

TAMCO (Continued) **S113015539**

State Code: 223

Year: 2018
EM Manifest ID: 148611
Shipment Date: 9/25/2018
Receipt Date: 10/2/2018
Manifest Number: 006789192SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Alfonso Ruiz Jr.
Contact Telephone: 909-646-7872
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2018
EM Manifest ID: 148611
Generator EPA ID: CAD982361404
Shipment Date: 2018-09-25
Manifest Number: 006789192SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.33600
Quantity Waste: 80.000000
Quantity Unit: G
Number of Containers: 4
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2018
EM Manifest ID: 160887
Shipment Date: 9/25/2018
Receipt Date: 10/8/2018
Manifest Number: 006789193SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718

TAMCO (Continued) **S113015539**

Contact:	Alfonso Ruiz Jr.
Contact Telephone:	909-646-7872
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	Thermo Fluids, Inc.
TSDF Address 1:	4301 West Jefferson Street
TSDF Address 2:	Not reported
TSDF City:	Phoenix
TSDF Zip:	85043
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	160887
Generator EPA ID:	CAD982361404
Shipment Date:	2018-09-25
Manifest Number:	006789193SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2018
EM Manifest ID:	006128989SKS20170912_D_1
Shipment Date:	9/12/2017
Receipt Date:	9/28/2017
Manifest Number:	006128989SKS
Generator EPA ID:	CAD982361404
Name:	TAMCO
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	UTD991301748
TSDF Name:	CLEAN HARBORS GRASSY MOUNTAIN
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

TAMCO (Continued) **S113015539**

Year:	2018
EM Manifest ID:	006128989SKS20170912_D_1
Generator EPA ID:	CAD982361404
Shipment Date:	2017-09-12
Manifest Number:	006128989SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	006128277SKS20170912_D_1
Shipment Date:	9/12/2017
Receipt Date:	9/18/2017
Manifest Number:	006128277SKS
Generator EPA ID:	CAD982361404
Name:	TAMCO
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006128277SKS20170912_D_1
Generator EPA ID:	CAD982361404
Shipment Date:	2017-09-12
Manifest Number:	006128277SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	1.30200
Quantity Waste:	310.000000
Quantity Unit:	G
Number of Containers:	11
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

TAMCO (Continued) **S113015539**

Year:	2018
EM Manifest ID:	006246308SKS20170912_D_1
Shipment Date:	9/12/2017
Receipt Date:	10/6/2017
Manifest Number:	006246308SKS
Generator EPA ID:	CAD982361404
Name:	TAMCO
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD069748192
TSDF Name:	CLEAN HARBORS EL DORADO LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	006246308SKS20170912_D_1
Generator EPA ID:	CAD982361404
Shipment Date:	2017-09-12
Manifest Number:	006246308SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	006246308SKS20170912_D_1
Generator EPA ID:	CAD982361404
Shipment Date:	2017-09-12
Manifest Number:	006246308SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005

Year:	2018

TAMCO (Continued) **S113015539**

EM Manifest ID: 006246308SKS20170912_D_1
Generator EPA ID: CAD982361404
Shipment Date: 2017-09-12
Manifest Number: 006246308SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D006

Year: 2018
EM Manifest ID: 006246308SKS20170912_D_1
Generator EPA ID: CAD982361404
Shipment Date: 2017-09-12
Manifest Number: 006246308SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

Year: 2018
EM Manifest ID: 006246308SKS20170912_D_1
Generator EPA ID: CAD982361404
Shipment Date: 2017-09-12
Manifest Number: 006246308SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F005

State:
Year: 2018
EM Manifest ID: 006246308SKS20170912_D_1
Generator EPA ID: CAD982361404
Shipment Date: 2017-09-12
Manifest Number: 006246308SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL

TAMCO (Continued) **S113015539**

Quantity Type: NULL
State Code: 343

Year: 2018
EM Manifest ID: 122342
Shipment Date: 9/11/2018
Receipt Date: 9/18/2018
Manifest Number: 006563693SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739
Telephone: 800-483-3718
Contact: Alfonso Ruiz Jr.
Contact Telephone: 909-646-7872
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:
Year: 2018
EM Manifest ID: 122342
Generator EPA ID: CAD982361404
Shipment Date: 2018-09-11
Manifest Number: 006563693SKS
Line Number: 1
Method Code: H141
Quantity Tons: 1.34400
Quantity Waste: 320.000000
Quantity Unit: G
Number of Containers: 11
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2018
EM Manifest ID: 149686
Shipment Date: 9/11/2018
Receipt Date: 10/2/2018
Manifest Number: 006657633SKS
Generator EPA ID: CAD982361404
Name: TAMCO
Address: 12459-B ARROW ROUTE HWY
Address 2: Not reported
City: RANCHO CUCAMONGA
Zip: 91739

TAMCO (Continued) **S113015539**

Telephone:	800-483-3718
Contact:	Alfonso Ruiz Jr.
Contact Telephone:	909-646-7872
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	UTD991301748
TSDF Name:	Clean Harbors Grassy Mountain LLC
TSDF Address 1:	PO Box 22750
TSDF Address 2:	Not reported
TSDF City:	Salt Lake City
TSDF Zip:	84122
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	149686
Generator EPA ID:	CAD982361404
Shipment Date:	2018-09-11
Manifest Number:	006657633SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Additional Info:

Year:	2017
Gen EPA ID:	CAD982361404
Shipment Date:	20171229
Creation Date:	10/26/2018 18:30:27
Receipt Date:	20180102
Manifest ID:	003077313GBF
Trans EPA ID:	CAR000164327
Trans Name:	T & R ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

TAMCO (Continued) **S113015539**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171228
Creation Date:	8/7/2018 18:30:34
Receipt Date:	20171229
Manifest ID:	003077314GBF
Trans EPA ID:	CAR000164327
Trans Name:	T & R ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	WASTE MANAGEMENT - KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171227
Creation Date:	8/7/2018 18:30:34
Receipt Date:	20171228
Manifest ID:	003077318GBF
Trans EPA ID:	CAR000164327
Trans Name:	T & R ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	WASTE MANAGEMENT - KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171219
Creation Date:	10/26/2018 18:30:27
Receipt Date:	20180105

TAMCO (Continued) **S113015539**

Manifest ID:	006419796SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBOR'S
TSDF EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171219
Creation Date:	10/16/2018 18:31:31
Receipt Date:	20180201
Manifest ID:	006419797SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBOR'S
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171219
Creation Date:	8/20/2018 18:30:11
Receipt Date:	20180105
Manifest ID:	006158360SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS OF WILMINGTON LLC

TAMCO (Continued) **S113015539**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171219
Creation Date:	7/5/2018 18:32:15
Receipt Date:	20171220
Manifest ID:	003074893GBF
Trans EPA ID:	CAR000164327
Trans Name:	T & R ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171215
Creation Date:	6/13/2018 18:31:31
Receipt Date:	20171215
Manifest ID:	003077414GBF
Trans EPA ID:	CAR000164327
Trans Name:	T & R ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	WASTE MANAGEMENT - KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	13.4848

TAMCO (Continued) **S113015539**

Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171212
Creation Date:	6/13/2018 18:31:31
Receipt Date:	20171213
Manifest ID:	016092461JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171211
Creation Date:	6/13/2018 18:31:31
Receipt Date:	20171212
Manifest ID:	016092460JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TAMCO (Continued) **S113015539**

Additional Info:

Year:	2016
Gen EPA ID:	CAD982361404
Shipment Date:	20151223
Creation Date:	5/16/2016 18:30:15
Receipt Date:	20160112
Manifest ID:	005232061SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151223
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20151223
Manifest ID:	005232062SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151223
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20151223

TAMCO (Continued) **S113015539**

Manifest ID:	005232062SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.407
Waste Quantity:	335
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151223
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151223
Manifest ID:	013483095JJK
Trans EPA ID:	CAD053866794
Trans Name:	PATRIOT ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20
Waste Quantity:	20
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151221
Manifest ID:	013483030JJK
Trans EPA ID:	CAD053866794
Trans Name:	PATRIOT ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA

TAMCO (Continued) **S113015539**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 16.856
Waste Quantity: 20
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151218
Creation Date: 6/30/2016 18:31:00
Receipt Date: 20151218
Manifest ID: 013483036JJK
Trans EPA ID: CAD053866794
Trans Name: PATRIOT ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 12.642
Waste Quantity: 15
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151217
Creation Date: 6/30/2016 18:31:00
Receipt Date: 20151217
Manifest ID: 013483047JJK
Trans EPA ID: CAD053866794
Trans Name: PATRIOT ENVIRONMENTAL SERVICE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 12.642

TAMCO (Continued) **S113015539**

Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151211
Creation Date:	6/10/2016 18:32:33
Receipt Date:	20151210
Manifest ID:	013483073JJK
Trans EPA ID:	CAD053866794
Trans Name:	PATRIOT ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15
Waste Quantity:	15
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151208
Creation Date:	2/8/2016 22:17:20
Receipt Date:	Not reported
Manifest ID:	005131422SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TAMCO (Continued) **S113015539**

Shipment Date:	20151208
Creation Date:	6/8/2016 18:31:29
Receipt Date:	20151223
Manifest ID:	005131421SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD982361404
Shipment Date:	20151223
Creation Date:	5/16/2016 18:30:15
Receipt Date:	20160112
Manifest ID:	005232061SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151223
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20151223

TAMCO (Continued) **S113015539**

Manifest ID:	005232062SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151223
Creation Date:	2/9/2016 22:16:04
Receipt Date:	20151223
Manifest ID:	005232062SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.407
Waste Quantity:	335
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151223
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151223
Manifest ID:	013483095JJK
Trans EPA ID:	CAD053866794
Trans Name:	PATRIOT ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA

TAMCO (Continued) **S113015539**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20
Waste Quantity:	20
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	9/26/2016 18:30:40
Receipt Date:	20151221
Manifest ID:	013483030JJK
Trans EPA ID:	CAD053866794
Trans Name:	PATRIOT ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151218
Creation Date:	6/30/2016 18:31:00
Receipt Date:	20151218
Manifest ID:	013483036JJK
Trans EPA ID:	CAD053866794
Trans Name:	PATRIOT ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642

TAMCO (Continued) **S113015539**

Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151217
Creation Date:	6/30/2016 18:31:00
Receipt Date:	20151217
Manifest ID:	013483047JJK
Trans EPA ID:	CAD053866794
Trans Name:	PATRIOT ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151211
Creation Date:	6/10/2016 18:32:33
Receipt Date:	20151210
Manifest ID:	013483073JJK
Trans EPA ID:	CAD053866794
Trans Name:	PATRIOT ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15
Waste Quantity:	15
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TAMCO (Continued) **S113015539**

Shipment Date:	20151208
Creation Date:	2/8/2016 22:17:20
Receipt Date:	Not reported
Manifest ID:	005131422SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151208
Creation Date:	2/8/2016 22:17:20
Receipt Date:	Not reported
Manifest ID:	005131422SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD982361404

Shipment Date:	20141219
Creation Date:	5/18/2015 22:15:16
Receipt Date:	20141229

TAMCO (Continued) **S113015539**

Manifest ID:	013856461JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141219
Creation Date:	5/18/2015 22:15:16
Receipt Date:	20141229
Manifest ID:	013856460JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141217
Creation Date:	7/9/2015 22:15:23
Receipt Date:	20150103
Manifest ID:	000320951JJK
Trans EPA ID:	MND048341788
Trans Name:	BNSF
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXR000047670
Trans Name:	ZINC NACIONAL SA C/O VDC CORP

TAMCO (Continued) **S113015539**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141217
Creation Date:	7/9/2015 22:15:23
Receipt Date:	20150103
Manifest ID:	000320950JJK
Trans EPA ID:	MND048341788
Trans Name:	BNSF
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXR000047670
Trans Name:	ZINC NACIONAL SA C/O VDC CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141216
Creation Date:	6/25/2015 22:15:29
Receipt Date:	20150103
Manifest ID:	004691913SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	D007

TAMCO (Continued) **S113015539**

Additional Code 2:	D006
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141216
Creation Date:	3/5/2015 22:15:15
Receipt Date:	20141216
Manifest ID:	004611124SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.638
Waste Quantity:	390
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141216
Creation Date:	3/5/2015 22:15:15
Receipt Date:	20141216
Manifest ID:	004611124SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141211
Creation Date:	5/7/2015 22:15:07

TAMCO (Continued) **S113015539**

Receipt Date:	20141212
Manifest ID:	013201696JJK
Trans EPA ID:	CAR000148338
Trans Name:	AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	13.4848
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141211
Creation Date:	3/6/2015 22:15:05
Receipt Date:	20141215
Manifest ID:	013856391JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141211
Creation Date:	5/7/2015 22:15:07
Receipt Date:	20141212
Manifest ID:	013201697JJK
Trans EPA ID:	CAR000148338
Trans Name:	AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000

TAMCO (Continued) **S113015539**

Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	13.4848
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD982361404
Shipment Date:	20131227
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20140102
Manifest ID:	012157404JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131218
Creation Date:	5/14/2014 22:15:08
Receipt Date:	20131219
Manifest ID:	012371874JJK
Trans EPA ID:	CAR000148338
Trans Name:	AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

TAMCO (Continued) **S113015539**

Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	18.88
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131218
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20131223
Manifest ID:	012157308JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131218
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20131223
Manifest ID:	012157307JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y

TAMCO (Continued) **S113015539**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131218
Creation Date:	5/14/2014 22:15:08
Receipt Date:	20131219
Manifest ID:	012371875JJK
Trans EPA ID:	CAR000148338
Trans Name:	AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131218
Creation Date:	1/29/2014 22:15:13
Receipt Date:	20131220
Manifest ID:	012157310JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131218

TAMCO (Continued) **S113015539**

Creation Date:	2/24/2014 22:15:23
Receipt Date:	20131219
Manifest ID:	012157309JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131217
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131217
Manifest ID:	004096803SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131217
Creation Date:	5/1/2014 22:14:57
Receipt Date:	20140102
Manifest ID:	004096835SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835

TAMCO (Continued) **S113015539**

Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131217
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131217
Manifest ID:	004096803SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.596
Waste Quantity:	380
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD982361404
Shipment Date:	20121221
Creation Date:	3/7/2013 22:15:18
Receipt Date:	20121226
Manifest ID:	010964709JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

TAMCO (Continued) **S113015539**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	10
Waste Quantity:	10
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121221
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20121226
Manifest ID:	010615691JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	10
Waste Quantity:	10
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121219
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121221
Manifest ID:	010964604JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	18
Waste Quantity:	18
Quantity Unit:	T
Additional Code 1:	Not reported

TAMCO (Continued) **S113015539**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121219
Creation Date:	2/14/2013 22:15:30
Receipt Date:	20121220
Manifest ID:	010608766JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	18
Waste Quantity:	18
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121218
Creation Date:	4/21/2013 22:15:04
Receipt Date:	20121218
Manifest ID:	003455126SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.89
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121218
Creation Date:	5/21/2013 22:15:06

TAMCO (Continued) **S113015539**

Receipt Date:	20130103
Manifest ID:	003111052SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS, INC.
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121218
Creation Date:	5/4/2013 22:15:12
Receipt Date:	20121226
Manifest ID:	003111401SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121217
Creation Date:	2/14/2013 22:15:30
Receipt Date:	20121220
Manifest ID:	010964603JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA

TAMCO (Continued) **S113015539**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	20
Waste Quantity:	20
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121211
Creation Date:	6/9/2013 22:15:06
Receipt Date:	20130103
Manifest ID:	000320836JJK
Trans EPA ID:	MND048341788
Trans Name:	BNSF
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXR000047670
Trans Name:	ZINC NACIONAL SA C/O VDC CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	591 - Baghouse waste
RCRA Code:	K061
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121207
Creation Date:	3/7/2013 22:15:23
Receipt Date:	20121210
Manifest ID:	010971444JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	18
Waste Quantity:	18

TAMCO (Continued) **S113015539**

Quantity Unit: T
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: TAMCO
Address: 12459-B ARROW ROUTE
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91739
EPA ID: CAD982361404
Inactive Date: Not reported
Create Date: 06/29/1990
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 911
Mailing Address 2: Not reported
Mailing City,State,Zip: SEGUIN, TX 781560911
Owner Name: TAMCO
Owner Address: 12459-B ARROW ROUTE HWY
Owner Address 2: Not reported
Owner City,State,Zip: RANCHO CUCAMONGA, CA 917390000
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: ALBERTO D. MENDOZA
Contact Address: PO BOX 911
Contact Address 2: Not reported
City,State,Zip: SEGUIN, TX 78156
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Active
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 34.098958
Longitude: -117.53284

NAICS:
EPA ID: CAD982361404
Create Date: 2020-03-03 16:55:57.990
NAICS Code: 331110
NAICS Description: Iron and Steel Mills and Ferroalloy Manufacturing
Issued EPA ID Date: 1990-06-29 00:00:00
Inactive Date: Not reported
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
Facility Address 2: Not reported
Facility City: RANCHO CUCAMONGA
Facility County: Not reported
Facility State: CA
Facility Zip: 917390000

EPA ID: CAD982361404
Create Date: 2020-03-03 16:55:57.990
NAICS Code: 331110
NAICS Description: Iron and Steel Mills and Ferroalloy Manufacturing

TAMCO (Continued) **S113015539**

Issued EPA ID Date:	1990-06-29 00:00:00
Inactive Date:	Not reported
Facility Name:	TAMCO
Facility Address:	12459-B ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000
EPA ID:	CAD982361404
Create Date:	2017-04-07 12:37:39.210
NAICS Code:	331111
NAICS Description:	Iron and Steel Mills
Issued EPA ID Date:	1990-06-29 00:00:00
Inactive Date:	Not reported
Facility Name:	TAMCO
Facility Address:	12459-B ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000

A24 **BTC III ARROW ROUTE** **ENVIROSTOR** **S105557570**
Target **12451 ARROW ROUTE** **VCP** **N/A**
Property **RANCHO CUCAMONGA, CA 91739** **NPDES**
San Bern. Co. Permit
Site 24 of 103 in cluster A **CIWQS**
CERS

Actual:
1140 ft.

ENVIROSTOR:

Name:	BTC III ARROW ROUTE
Address:	12451 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	36340066
Status:	Active
Status Date:	08/24/2022
Site Code:	400885
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	95
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Sara Vela
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	50
Senate:	29
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.09794
Longitude:	-117.5341
APN:	22912135

BTC III ARROW ROUTE (Continued) **S105557570**

Past Use: MANUFACTURING - METAL
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: FONTANA STEEL, INC.
Alias Type: Alternate Name
Alias Name: 022912135
Alias Type: APN
Alias Name: 110008061649
Alias Type: EPA (FRS #)
Alias Name: 400885
Alias Type: Project Code (Site Code)
Alias Name: 36340066
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/20/2001
Comments: PEA completed with no further action (NFA) determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/22/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Docket Number HSA-A 00/01-153) with Fontana Steel, Inc. to provide oversight for a Preliminary Endangerment Assessment for the site.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Site Screening
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: BTC III ARROW ROUTE
Address: 12451 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Facility ID: 36340066
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 95
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Sara Vela
Supervisor: Jose Diaz
Division Branch: Cleanup Chatsworth
Site Code: 400885

BTC III ARROW ROUTE (Continued) **S105557570**

Assembly:	50
Senate:	29
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Active
Status Date:	08/24/2022
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.09794 / -117.5341
APN:	22912135
Past Use:	MANUFACTURING - METAL
Potential COC:	NONE SPECIFIED,31000
Confirmed COC:	31000
Potential Description:	NMA
Alias Name:	FONTANA STEEL, INC.
Alias Type:	Alternate Name
Alias Name:	022912135
Alias Type:	APN
Alias Name:	110008061649
Alias Type:	EPA (FRS #)
Alias Name:	400885
Alias Type:	Project Code (Site Code)
Alias Name:	36340066
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	12/20/2001
Comments:	PEA completed with no further action (NFA) determination.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	12/22/2000
Comments:	DTSC entered into a Voluntary Cleanup Agreement (Docket Number HSA-A 00/01-153) with Fontana Steel, Inc. to provide oversight for a Preliminary Endangerment Assessment for the site.

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Site Screening
Future Due Date:	2023
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

NPDES:

Name:	CMC REBAR ETIWANDA
Address:	12451 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	8
Agency Number:	0

BTC III ARROW ROUTE (Continued) **S105557570**

Regulatory Measure ID:	213422
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I013647
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/31/1997
Termination Date Of Regulatory Measure:	01/27/2022
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 2219
Discharge Name:	Fontana Steel
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91729
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213422
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I013647
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	12/31/1997
Status:	Active
Status Date:	12/31/1997
Place Size:	15.31
Place Size Unit:	Acres
Contact:	Eduardo Medina
Contact Title:	Not reported
Contact Phone:	909-899-9993
Contact Phone Ext:	Not reported
Contact Email:	eduardo.medina@cmc.com
Operator Name:	Fontana Steel
Operator Address:	PO Box 2219
Operator City:	Rancho Cucamonga
Operator State:	California

BTC III ARROW ROUTE (Continued) **S105557570**

Operator Zip:	91729
Operator Contact:	Adam Raines
Operator Contact Title:	Not reported
Operator Contact Phone:	909-803-1555
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Adam.Raines@cmc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-899-9993
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	Adam Raines
Certifier Title:	Operations Manager
Certification Date:	24-JUL-15
Primary Sic:	3499-Fabricated Metal Products, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213422
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I013647
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/31/1997
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Fontana Steel

BTC III ARROW ROUTE (Continued) **S105557570**

Discharge Address:	PO Box 2219
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91729
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported

BTC III ARROW ROUTE (Continued) **S105557570**

Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

San Bern. Co. Permit:
Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003266
Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0004318
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 10/31/2022

Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003266
Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0004319
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 10/31/2022

Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003266
Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0036721
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 10/31/2017

Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003266
Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0010905
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2017

Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003266
Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0025592

BTC III ARROW ROUTE (Continued) **S105557570**

Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 10/31/2013

CIWQS:

Name:	CMC REBAR ETIWANDA
Address:	12451 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Agency:	Fontana Steel
Agency Address:	PO Box 2219, Rancho Cucamonga, CA 91729
Place/Project Type:	Industrial - Fabricated Metal Products, NEC
SIC/NAICS:	3499
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I013647
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/31/1997
Termination Date:	01/27/2022
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09905
Longitude:	-117.53413

CERS:

Name:	CMC REBAR ETIWANDA
Address:	12451 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Site ID:	20526
CERS ID:	91739FNTNS12451
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	Adam Raines
Entity Title:	Operations Manager
Affiliation Address:	PO BOX 2219
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,

Affiliation Type Desc:	Technical Contact
Entity Name:	Alberto D. Mendoza
Entity Title:	Not reported
Affiliation Address:	PO BOX 2219
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA

BTC III ARROW ROUTE (Continued) **S105557570**

Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9096467822,

Affiliation Type Desc: Parent Company
Entity Name: COMMERCIAL METALS CO
Entity Title: Not reported
Affiliation Address: PO BOX 2219
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Adam Raines
Entity Title: Not reported
Affiliation Address: PO BOX 2219
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9098031555,

A25 **AMERON SO CA DIV** **RCRA-SQG** **1000367623**
Target **12455 ARROW RTE** **HIST UST** **CAT080033202**
Property **ETIWANDA, CA 91739**

Site 25 of 103 in cluster A

Actual:
1140 ft.

RCRA Listings:
Date Form Received by Agency: 19960901
Handler Name: Ameron So Ca Div
Handler Address: 12455 ARROW RTE
Handler City,State,Zip: ETIWANDA, CA 91739
EPA ID: CAT080033202
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Ca
State District: 4
Mailing Address: PO BOX 2024
Mailing City,State,Zip: MONTEREY PARK, CA 91754
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Not Required

AMERON SO CA DIV (Continued) **1000367623**

Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: AMERON INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator

AMERON SO CA DIV (Continued) **1000367623**

Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: AMERON SO CA DIV
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19810608
Handler Name: AMERON SO CA DIV
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32739
NAICS Description: OTHER CONCRETE PRODUCT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HIST UST:
Name: AMERON PIPE ARROW PLANT
Address: 12455 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
File Number: Not reported
URL: Not reported

AMERON SO CA DIV (Continued) **1000367623**

Region:	STATE
Facility ID:	00000028207
Facility Type:	Other
Other Type:	MANUFACTURER
Contact Name:	R.J. REILLY
Telephone:	7148991716
Owner Name:	AMERON, INC.
Owner Address:	4700 RAMONA BLVD.
Owner City,St,Zip:	MONTEREY PARK, CA 91754
Total Tanks:	0009
Tank Num:	001
Container Num:	1
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	5
Year Installed:	1980
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	006

AMERON SO CA DIV (Continued) **1000367623**

Container Num:	6
Year Installed:	1980
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	007
Container Num:	7
Year Installed:	1972
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	10
Leak Detection:	Stock Inventor
Tank Num:	008
Container Num:	8
Year Installed:	1972
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	12
Leak Detection:	None
Tank Num:	009
Container Num:	9
Year Installed:	1972
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	None

A26 **OLYMPIC MILL SERVICE** **HAZNET** **S113116131**
Target **12459 ARROW RTE** **HWTS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 26 of 103 in cluster A

Actual: **1140 ft.**

HAZNET:

Name:	OLYMPIC MILL SERVICE
Address:	12459 ARROW RTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Contact:	BRETT BELEW
Telephone:	9098991356
Mailing Name:	Not reported
Mailing Address:	PO BOX 177
Year:	2003
Gepaid:	CAL000235068
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.0336

OLYMPIC MILL SERVICE (Continued) **S113116131**

Additional Info:

Year:	2003
Gen EPA ID:	CAL000235068
Shipment Date:	20030527
Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030527
Manifest ID:	22386210
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0336
Waste Quantity:	8
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	OLYMPIC MILL SERVICE
Address:	12459 ARROW RTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000235068
Inactive Date:	06/30/2008
Create Date:	03/13/2002
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 177
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	TUBE CITY INC
Owner Address:	12459 ARROW RTE
Owner Address 2:	Not reported
Owner City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	BRETT BELEW
Contact Address:	12459 ARROW RTE
Contact Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE

OLYMPIC MILL SERVICE (Continued) **S113116131**

Latitude: 34.099069
Longitude: -117.533789

NAICS:
EPA ID: CAL000235068
Create Date: 2002-03-14 16:36:29.000
NAICS Code: 2123
NAICS Description: Nonmetallic Mineral Mining and Quarrying
Issued EPA ID Date: 2002-03-13 00:00:00
Inactive Date: 2008-06-30 00:00:00
Facility Name: OLYMPIC MILL SERVICE
Facility Address: 12459 ARROW RTE
Facility Address 2: Not reported
Facility City: RANCHO CUCAMONGA
Facility County: Not reported
Facility State: CA
Facility Zip: 917399601

A27 **CMC REBAR ETIWANDA** **FINDS** **1018321409**
Target **12451 ARROW ROUTE** **ECHO** **N/A**
Property **ETIWANDA, CA 91739**

Site 27 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110008061649

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1018321409
Registry ID: 110008061649
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110008061649
Name: CMC REBAR ETIWANDA
Address: 12451 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739

A28 **AMERON INTERNATIONAL** **HAZNET** **S123582590**
Target **12455 ARROW RTE** **HWTS** **N/A**
Property **ETIWANDA, CA 91739**

Site 28 of 103 in cluster A

Actual:
1140 ft.

HAZNET:

Name:	AMERON INTERNATIONAL
Address:	12455 ARROW RTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 917399601
Contact:	MYLES CULHANE
Telephone:	6266834000
Mailing Name:	Not reported
Mailing Address:	245 S LOS ROBLES AVE
Year:	2005
Gepaid:	CAC002598872
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	8.428

Additional Info:

Year:	2005
Gen EPA ID:	CAC002598872
Shipment Date:	20051229
Creation Date:	3/22/2006 18:31:37
Receipt Date:	20051229
Manifest ID:	24705944
Trans EPA ID:	CAR000017657
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	AMERON INTERNATIONAL
Address:	12455 ARROW RTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAC002598872

AMERON INTERNATIONAL (Continued) **S123582590**

Inactive Date:	06/27/2006
Create Date:	12/28/2005
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	245 S LOS ROBLES AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PASADENA, CA 91101
Owner Name:	AMERON INTERNATIONAL
Owner Address:	245 S LOS ROBLES AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	PASADENA, CA 91101
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	MYLES CULHANE
Contact Address:	245 S LOS ROBLES AVE
Contact Address 2:	Not reported
City,State,Zip:	PASADENA, CA 91101
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.09907
Longitude:	-117.533878

A29 **SOUTHERN CALIFORNIA EDISON** **HWTS** **S124568517**
Target **12459 ARROW HWY** **N/A**
Property **ETIWANDA, CA 91739**

Site 29 of 103 in cluster A

Actual: **1140 ft.**

HWTS:

Name:	SOUTHERN CALIFORNIA EDISON
Address:	12459 ARROW HWY
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAC002378383
Inactive Date:	01/11/2002
Create Date:	07/16/2001
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 800 QUAD 1A
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ROSEMEAD, CA 917700000
Owner Name:	SOUTHERN CALIFORNIA EDISON
Owner Address:	PO BOX 800 QUAD 1A
Owner Address 2:	Not reported
Owner City,State,Zip:	ROSEMEAD, CA 917700000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	STEVE BLAYLOCK
Contact Address:	PO BOX 800 QUAD 1A
Contact Address 2:	Not reported
City,State,Zip:	ROSEMEAD, CA 917700000
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY

SOUTHERN CALIFORNIA EDISON (Continued) **S124568517**

Category: STATE
Latitude: 34.099092
Longitude: -117.533835

A30 **TAMCO** **SEMS-ARCHIVE** **1000174704**
Target **12459 B ARROW ROUTE** **RCRA-SQG** **CAD982361404**
Property **RANCHO CUCAMONGA, CA 91739** **ENVIROSTOR**
LUST
Site 30 of 103 in cluster A **CPS-SLIC**
UST
Actual: **VCP**
1140 ft. **CERS HAZ WASTE**
SWEEPS UST
HIST UST
EPA WATCH LIST
Cortese
HIST CORTESE
San Bern. Co. Permit
CERS

SEMS Archive:
Site ID: 0904936
EPA ID: CAD982361404
Name: TAMCO
Address: 12459 ARROW HIGHWAY
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Cong District: 36
FIPS Code: 06071
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0904936
EPA ID: CAD982361404
Site Name: TAMCO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1994-06-21 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0904936
EPA ID: CAD982361404
Site Name: TAMCO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA

TAMCO (Continued) **1000174704**

SEQ: 1
Start Date: Not reported
Finish Date: 1994-06-21 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0904936
EPA ID: CAD982361404
Site Name: TAMCO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1993-03-29 05:00:00
Finish Date: 1993-03-29 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

RCRA Listings:
Date Form Received by Agency: 20220620
Handler Name: Btc Iii Arrow Route Cc Lp
Handler Address: ARROW ROUTE
Handler City,State,Zip: RANCHO CUCAMONGA, CA 91739-0000
EPA ID: CAD982361404
Contact Name: CHRIS SANFORD
Contact Address: MACARTHUR CT STE 625
Contact City,State,Zip: NEWPORT BEACH, CA 92660
Contact Telephone: 949-892-4811
Contact Fax: Not reported
Contact Email: CSANFORD@ARESMGMT.COM
Contact Title: PRINCIPAL
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: MACARTHUR CT STE 625
Mailing City,State,Zip: NEWPORT BEACH, CA 92660
Owner Name: Btc Iii Arrow Route Cc Lp
Owner Type: Private
Operator Name: Btc Iii Arrow Route Cc Lp
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No

TAMCO (Continued) **1000174704**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220727
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

TAMCO (Continued) **1000174704**

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D004
Waste Description: Arsenic

Waste Code: D005
Waste Description: Barium

Waste Code: D006
Waste Description: Cadmium

Waste Code: D007
Waste Description: Chromium

Waste Code: D008
Waste Description: Lead

Waste Code: D035
Waste Description: Methyl Ethyl Ketone

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: K061
Waste Description: Emission Control Dust/Sludge From The Primary Production Of Steel In

TAMCO (Continued) **1000174704**

Electric Furnaces.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325

TAMCO (Continued) **1000174704**

Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: 7835
Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 325
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JACK D. STUTZ
Legal Status: Private
Date Became Current: 19970106
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private

TAMCO (Continued) **1000174704**

Date Became Current:	19970802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	12459-B ARROW ROUTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: BTC III ARROW ROUTE CC LP	
Legal Status:	Private
Date Became Current:	20211228
Date Ended Current:	Not reported
Owner/Operator Address:	4675 MACARTHUR CT STE 625
Owner/Operator City,State,Zip:	NEWPORT BEACH, CA 92660
Owner/Operator Telephone:	303-953-3847
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JLINKER@ARESMGMT.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: JACK S. STUTZ	
Legal Status:	Private
Date Became Current:	19970106
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TAMCO (Continued) **1000174704**

Owner/Operator Indicator:	Operator
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	12459-B ARROW ROUTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	12459-B ARROW ROUTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835

TAMCO (Continued) **1000174704**

Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: 12459-B ARROW ROUTE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: 7835
Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 325
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: 12459-B ARROW ROUTE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: 7835
Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JACK D. STUTZ
Legal Status: Private
Date Became Current: 19970106
Date Ended Current: Not reported
Owner/Operator Address: 12459 ARROW HWY STE B

TAMCO (Continued) **1000174704**

Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 325
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: 7835
Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: BTC III ARROW ROUTE CC LP
Legal Status: Private
Date Became Current: 20211228
Date Ended Current: Not reported
Owner/Operator Address: 1200 17TH ST STE 2900
Owner/Operator City,State,Zip: DENVER, CO 80202
Owner/Operator Telephone: 303-953-3847
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JLINKER@ARESMGMT.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: P.O.BOX 325
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JACK STUTZ
Legal Status: Private
Date Became Current: 19970106
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120223
Handler Name: TAMCO

TAMCO (Continued) **1000174704**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140301
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20160229
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20180824
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	Yes
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20200224
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	Yes

TAMCO (Continued) **1000174704**

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20220228
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	Yes
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20220426
Handler Name: TAMCO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	19960901
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19831005
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

TAMCO (Continued) **1000174704**

Receive Date:	19831005
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980205
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20110427
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20200303
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	Yes
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20220620
Handler Name: BTC III ARROW ROUTE CC LP	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

TAMCO (Continued) **1000174704**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	19920228
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19940331
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19960320
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19990415
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

TAMCO (Continued) **1000174704**

Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20001012
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20020222
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20040220
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20060330
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20080215
Handler Name: TAMCO	

TAMCO (Continued) **1000174704**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	33111
NAICS Description:	IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING
NAICS Code:	331110
NAICS Description:	IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING
NAICS Code:	331111
NAICS Description:	IRON AND STEEL MILLS
NAICS Code:	331221
NAICS Description:	ROLLED STEEL SHAPE MANUFACTURING
NAICS Code:	531390
NAICS Description:	OTHER ACTIVITIES RELATED TO REAL ESTATE

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20060605
Actual Return to Compliance Date:	20060605
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	501
Date of Enforcement Action:	20060605
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported

TAMCO (Continued) **1000174704**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050120
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20060927
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 55860
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

TAMCO (Continued) **1000174704**

Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported

TAMCO (Continued) **1000174704**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20031016
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20031016
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

TAMCO (Continued) **1000174704**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20031016
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20060927
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

TAMCO (Continued) **1000174704**

SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	55860
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20031016
Actual Return to Compliance Date:	20070502
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	20050725
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported

TAMCO (Continued) **1000174704**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050120
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20050727
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

TAMCO (Continued) **1000174704**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050120
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20070502
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 44500
Paid Amount: Not reported
Final Count: 1
Final Amount: 49500

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

TAMCO (Continued) **1000174704**

Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050120
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 502
Date of Enforcement Action: 20050727
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

TAMCO (Continued) **1000174704**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Unknown
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

TAMCO (Continued) **1000174704**

Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20031016
Actual Return to Compliance Date:	20070502
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20070502
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported

TAMCO (Continued) **1000174704**

SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	44500
Paid Amount:	Not reported
Final Count:	1
Final Amount:	49500

Evaluation Action Summary:

Evaluation Date:	20060605
Evaluation Responsible Agency:	Local
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060605
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20050120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070502
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NO LONGER A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20131202
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NO LONGER A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

TAMCO (Continued) **1000174704**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120321
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TAMCO (Continued) **1000174704**

Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20050120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20050120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20011127
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20050120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported

TAMCO (Continued) **1000174704**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030806
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180615
Evaluation Responsible Agency:	EPA
Found Violation:	Undetermined
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	AKENN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ENVIROSTOR:

Name:	AMERON/STEEL & WIRE PROPERTY
Address:	12459 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Facility ID:	36340064
Status:	No Further Action
Status Date:	04/23/1996
Site Code:	Not reported
Site Type:	Voluntary Cleanup

TAMCO (Continued) **1000174704**

Site Type Detailed: Voluntary Agreement
Acres: Not reported
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 50
Senate: 29
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.09408
Longitude: -117.5303
APN: 22913119
Past Use: RECYCLING - SCRAP METAL, VEHICLE MAINTENANCE
Potential COC: * HYDROCARBON SOLVENTS * Metals - Other Inorganic Solid Waste * UNSPECIFIED SOLVENT MIXTURES * OTHER INORGANIC SOLID WASTE Lead Cadmium and compounds
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: AMERON STEEL & WIRE PROPERTY
Alias Type: Alternate Name
Alias Name: INDUSTRIAL WIRE PRODUCTS, INC.
Alias Type: Alternate Name
Alias Name: IWP
Alias Type: Alternate Name
Alias Name: 022913119
Alias Type: APN
Alias Name: 110033615960
Alias Type: EPA (FRS #)
Alias Name: 400526
Alias Type: Site Code - Historical
Alias Name: 36340064
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/11/1997
Comments: DTSC considered the provided information as a PEA Equivalent Reports and issued a No Further Action Determination at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/08/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 06/08/1995
Comments: Due to evidence of contamination, DTSC recommends a PEA. A Voluntary Cleanup Agreement has been signed between DTSC and RP to remediate

TAMCO (Continued) **1000174704**

the site. The purpose of the agreement is for DTSC to provide an oversight for a Removal Action Workplan for the site based on health-based risk assessment (HRA).

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 8:

Name:	TAMCO
Address:	12459 ARROW HWY
City:	RANCHO CUCAMONGA
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083602379T
Local Case Num:	93063
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0607100309
How Stopped Date:	11/4/1993
Enter Date:	1/14/1994
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/4/1993
Enforcement Date:	Not reported
Close Date:	5/11/1994
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	1/14/1994
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Yes
Oversite Program:	LUST
Latitude:	34.1007265

TAMCO (Continued) **1000174704**

Longitude:	-117.5235672
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

SLIC REG 8:

Name:	TAMCO
Address:	12459 ARROW HIGHWAY
City:	ETIWANDA
Type:	Soil
Facility Status:	Closed
Staff:	XXX
Substance:	LEAD
Lead Agency:	Regional Board
Location Code:	Not reported
Thomas Bros Code:	Not reported

CPS-SLIC:

Name:	TAMCO
Address:	12459 ARROW HIGHWAY
City,State,Zip:	ETIWANDA, CA 91739
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/07/1990
Global Id:	SLT8R1914124
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	34.1264107928994
Longitude:	-117.521541508876
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	SLT8R191
File Location:	Regional Board
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	Not reported
Leak Reported Date:	Not reported

TAMCO (Continued) **1000174704**

How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	11/07/1990
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	56-60%
CA Enviroscreen 4 Score:	45-50%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

UST:

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	86008874
Permitting Agency:	SAN BERNARDINO COUNTY
CERSID:	Not reported
Latitude:	34.09906
Longitude:	-117.53427
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported

TAMCO (Continued) **1000174704**

Tank piping construction: Not reported
Tank sacrificial anode: Not reported
Tank cp impressed current: Not reported
Tank cp shutoff: Not reported
Tank alarms: Not reported
Tank ball float: Not reported
Tank spill bucket: Not reported

VCP:
Name: AMERON/STEEL & WIRE PROPERTY
Address: 12459 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
Facility ID: 36340064
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: Not reported
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: Not reported
Assembly: 50
Senate: 29
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: No Further Action
Status Date: 04/23/1996
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.09408 / -117.5303
APN: 22913119
Past Use: RECYCLING - SCRAP METAL, VEHICLE MAINTENANCE
Potential COC: 10009, 10034, 10198, 20011, 30013, 30108
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: AMERON STEEL & WIRE PROPERTY
Alias Type: Alternate Name
Alias Name: INDUSTRIAL WIRE PRODUCTS, INC.
Alias Type: Alternate Name
Alias Name: IWP
Alias Type: Alternate Name
Alias Name: 022913119
Alias Type: APN
Alias Name: 110033615960
Alias Type: EPA (FRS #)
Alias Name: 400526
Alias Type: Site Code - Historical
Alias Name: 36340064
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report

TAMCO (Continued) **1000174704**

Completed Date: 06/11/1997
Comments: DTSC considered the provided information as a PEA Equivalent Reports and issued a No Further Action Determination at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/08/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 06/08/1995
Comments: Due to evidence of contamination, DTSC recommends a PEA. A Voluntary Cleanup Agreement has been signed between DTSC and RP to remediate the site. The purpose of the agreement is for DTSC to provide an oversight for a Removal Action Workplan for the site based on health-based risk assessment (HRA).

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS HAZ WASTE:
Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 404054
CERS ID: 10040527
CERS Description: Hazardous Waste Generator

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 404054
CERS ID: 10040527
CERS Description: RCRA LQ HW Generator

SWEEPS UST:
Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Active
Comp Number: 8874
Number: 9
Board Of Equalization: 44-020613
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88

TAMCO (Continued) **1000174704**

Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000005
Tank Status: A
Capacity: 10000
Active Date: 08-29-88
Tank Use: PETROLEUM
STG: P
Content: DIESEL
Number Of Tanks: 2

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Active
Comp Number: 8874
Number: 9
Board Of Equalization: 44-020613
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000006
Tank Status: A
Capacity: 2000
Active Date: 08-29-88
Tank Use: PETROLEUM
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Not reported
Comp Number: 8874
Number: Not reported
Board Of Equalization: 44-020613
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000001
Tank Status: Not reported
Capacity: 50000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 4

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Not reported
Comp Number: 8874
Number: Not reported
Board Of Equalization: 44-020613

TAMCO (Continued) **1000174704**

Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000002
Tank Status: Not reported
Capacity: 50000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: FUEL OIL
Number Of Tanks: Not reported

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Not reported
Comp Number: 8874
Number: Not reported
Board Of Equalization: 44-020613
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000003
Tank Status: Not reported
Capacity: 50000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: FUEL OIL
Number Of Tanks: Not reported

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Not reported
Comp Number: 8874
Number: Not reported
Board Of Equalization: 44-020613
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000004
Tank Status: Not reported
Capacity: 50000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:
Name: TAMCO
Address: 12459 ARROW HWY
City,State,Zip: ETIWANDA, CA 91739

TAMCO (Continued) **1000174704**

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000015449
Facility Type:	Other
Other Type:	STEEL MILL
Contact Name:	Not reported
Telephone:	7149872521
Owner Name:	TAMCO
Owner Address:	12459 ARROW HIGHWAY
Owner City,St,Zip:	ETIWANDA, CA 91739
Total Tanks:	0004
Tank Num:	001
Container Num:	004
Year Installed:	1975
Tank Capacity:	00050000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None
Tank Num:	002
Container Num:	003
Year Installed:	1975
Tank Capacity:	00050000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None
Tank Num:	003
Container Num:	002
Year Installed:	1975
Tank Capacity:	00050000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None
Tank Num:	004
Container Num:	001
Year Installed:	1975
Tank Capacity:	00050000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None

EPA WATCH LIST:

Facility ID:	CAD982361404
Program:	RCRA Facilities
List date:	December 2012 Watch List
Facility ID:	CAD982361404
Program:	RCRA Facilities
List date:	July 2013 Watch List

TAMCO (Continued) **1000174704**

Facility ID: CAD982361404
Program: RCRA Facilities
List date: June 2013 RCRA Watch List

Facility ID: CAD982361404
Program: RCRA Facilities
List date: April 2013 RCRA Watch List

Facility ID: CAD982361404
Program: RCRA Facilities
List date: March 2013 RCRA Watch List

Facility ID: CAD982361404
Program: RCRA Facilities
List date: May 2013 RCRA Watch List

Facility ID: CAD982361404
Program: RCRA Facilities
List date: August 2013 Watch List

CORTESE:
Name: TAMCO
Address: 12459 ARROW HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607100309
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: TAMCO
edr_fadd1: 12459 ARROW
City,State,Zip: ETIWANDA, CA 91769
Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 083602379T

TAMCO (Continued) **1000174704**

San Bern. Co. Permit:
Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0004840
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2023

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0004839
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2023

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0036816
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2018

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0020082
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 05/31/2014

Name: TUBE CITY IMS
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005052
Owner: TUBE CITY IMS
Permit Number: PT0007227
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 11/30/2012

Name: TUBE CITY IMS

TAMCO (Continued) **1000174704**

Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005052
Owner: TUBE CITY IMS
Permit Number: PT0024299
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 11/30/2012

Name: TUBE CITY IMS
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005052
Owner: TUBE CITY IMS
Permit Number: PT0007226
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 11/30/2012

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0004837
Permit Category: ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)
Facility Status: INACTIVE
Expiration Date: 05/31/2008

CERS:
Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 404054
CERS ID: 10040527
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 404054
Site Name: TI WIRE
Violation Date: 05-08-2017
Citation: 22 CCR 31 67100.8 - California Code of Regulations, Title 22, Chapter 31, Section(s) 67100.8
Violation Description: Failure of a generator to conduct, when required, a source reduction evaluation review and plan every four years, and/or failure of the review and plan to contain all required information.
Violation Notes: Returned to compliance on 07/17/2017. SB 14 not filed by this facility.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection

TAMCO (Continued) **1000174704**

Eval Date: 01-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-08-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Coordinates:
Site ID: 404054
Facility Name: TI WIRE
Env Int Type Code: HMBP
Program ID: 10040527
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.099054
Longitude: -117.540866

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Eric Jensen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

TAMCO (Continued) **1000174704**

Affiliation Type Desc:	Identification Signer
Entity Name:	Eric Jensen
Entity Title:	EH&S Compliance Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	KRISH SINGH
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 595-0439,

Affiliation Type Desc:	Parent Corporation
Entity Name:	TREE ISLAND WIRE USA, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	TREE ISLAND INDUSTRIES LTD
Entity Title:	Not reported
Affiliation Address:	3933 BOUNDARY RD
Affiliation City:	RICHMOND
Affiliation State:	BC
Affiliation Country:	Canada
Affiliation Zip:	6V61TB
Affiliation Phone:	(800) 663-8757,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Environmental Contact
Entity Name:	ERIC JENSEN
Entity Title:	Not reported
Affiliation Address:	5080 HALLMARK PKWY
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	Not reported

TAMCO (Continued) **1000174704**

Affiliation Zip:	92407
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5080 HALLMARK PKWY
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92407
Affiliation Phone:	,
Name:	TAMCO
Address:	12459 ARROW HIGHWAY
City,State,Zip:	ETIWANDA, CA 91739
Site ID:	688976
CERS ID:	SLT8R1914124
CERS Description:	Cleanup Program Site

A31 **GERDAU STEEL** **CIWQS** **S119085245**
Target **12459 ARROW ROUTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 31 of 103 in cluster A

Actual: **1140 ft.**

CIWQS:

Name:	GERDAU STEEL
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Tamco
Agency Address:	PO Box 325, Rancho Cucamonga, CA 91739
Place/Project Type:	Construction - Other: RailRoad Spur
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C364895
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/26/2012
Termination Date:	05/07/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09903
Longitude:	-117.5282

A32 **CHMIRS** **S122215008**
Target Property **12459 B ARROW ROUTE**
RANCHO CUCAMONGA, CA 91739 **N/A**

Site 32 of 103 in cluster A

Actual:
1140 ft.

CHMIRS:

Name:	Not reported
Address:	12459 B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
OES Incident Number:	18-1976
OES notification:	03/26/2018
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1315
Year:	2018
Agency:	TAMCO
Incident Date:	03/26/2018
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported

(Continued) **S122215008**

E Date:	Not reported
Substance:	Diesel Fuel
Quantity Released:	50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states reelase was due to a diesel truck ran into a piece of equipment and punctured the fuel tank, material spilled onto soil and was contained on site, no waterways were impacted, contrator on site handling cleanup.

A33 **LOGISTICS EXPRESS INC** **HAZNET** **S112952229**
Target **12459 ARROW RTE ON THE STREET IN FRONT OF ADDRESS** **HWTS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 33 of 103 in cluster A

Actual: **1140 ft.**

HAZNET:

Name:	LOGISTICS EXPRESS INC
Address:	12459 ARROW RTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Contact:	KAY KARLISLE
Telephone:	7149720445
Mailing Name:	Not reported
Mailing Address:	1100 W TOWN AND COUNTRY RD
Year:	2006
Gepaid:	CAC002601651
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	-
Tons:	0.3
Year:	2006
Gepaid:	CAC002601651
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H01 - Transfer Station
Tons:	0.3

Additional Info:

LOGISTICS EXPRESS INC (Continued) **S112952229**

Year:	2006
Gen EPA ID:	CAC002601651
Shipment Date:	20060323
Creation Date:	7/14/2006 18:31:05
Receipt Date:	20060323
Manifest ID:	24329402
Trans EPA ID:	CAD000628636
Trans Name:	PATRIOT ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060322
Creation Date:	7/7/2006 18:30:36
Receipt Date:	Not reported
Manifest ID:	24329402
Trans EPA ID:	CAD000628636
Trans Name:	PATRIOT ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	LOGISTICS EXPRESS INC
Address:	12459 ARROW RTE ON THE STREET IN FRONT OF ADDRESS
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC002601651

LOGISTICS EXPRESS INC (Continued) **S112952229**

Inactive Date:	09/19/2006
Create Date:	03/22/2006
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1100 W TOWN AND COUNTRY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ORANGE, CA 928684600
Owner Name:	LOGISTICS EXPRESS INC
Owner Address:	1100 W TOWN AND COUNTRY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	ORANGE, CA 928684600
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	KAY KARLISLE
Contact Address:	1100 W TOWN AND COUNTRY RD
Contact Address 2:	Not reported
City,State,Zip:	ORANGE, CA 928684600
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.099069
Longitude:	-117.533789

A34 **TUBECITY IMS LLC** **HAZNET** **S113798484**
Target **12459 ARROW HIGHWAY** **CERS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739** **HWTS**

Site 34 of 103 in cluster A

Actual: **1140 ft.**

HAZNET:

Name:	PIPE SUBSTATION
Address:	12459 ARROW HWY
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
Contact:	SARA M. DUVALL
Telephone:	6268628458
Mailing Name:	Not reported
Mailing Address:	PO BOX 800
Year:	2020
Gepaid:	CAC003082971
TSD EPA ID:	CAD050806850
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	7.9154
Year:	2012
Gepaid:	CAL000349774
TSD EPA ID:	NVT330010000
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.125
Year:	2012

TUBECITY IMS LLC (Continued) **S113798484**

Gepaid: CAL000349774
TSD EPA ID: CAT000613893
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1

Year: 2012
Gepaid: CAL000349774
TSD EPA ID: TXD077603371
CA Waste Code: 491 - Unspecified sludge waste
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.1

Year: 2012
Gepaid: CAL000349774
TSD EPA ID: TXD077603371
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.0125

Year: 2012
Gepaid: CAL000349774
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.6

Year: 2012
Gepaid: CAL000349774
TSD EPA ID: NVT330010000
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.3

Additional Info:
Year: 2020
Gen EPA ID: CAC003082971

Shipment Date: 9/24/2020
Creation Date: 11/12/2020
Receipt Date: 9/24/2020
Manifest ID: 015169624FLE
Trans EPA ID: FLR000168203
Trans Name: FLORIDA TRANSFORMER LLC DBA EMERALD TRANSFORMER
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD050806850
Trans Name: CLEAN HARBORS LOS ANGLES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

TUBECITY IMS LLC (Continued) **S113798484**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	7.9154
Waste Quantity:	2083
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000349774
Shipment Date:	20120702
Creation Date:	5/24/2013 22:15:24
Receipt Date:	20120712
Manifest ID:	002924053SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120702
Creation Date:	6/5/2013 22:15:06
Receipt Date:	20120705
Manifest ID:	003303180SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200

TUBECITY IMS LLC (Continued) **S113798484**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120702
Creation Date:	5/24/2013 22:15:17
Receipt Date:	20120712
Manifest ID:	003303181SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D040
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	D039
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120702
Creation Date:	5/24/2013 22:15:24
Receipt Date:	20120712
Manifest ID:	003303182SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120702

TUBECITY IMS LLC (Continued) **S113798484**

Creation Date:	5/24/2013 22:15:24
Receipt Date:	20120712
Manifest ID:	003303182SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120702
Creation Date:	5/24/2013 22:15:24
Receipt Date:	20120712
Manifest ID:	003303182SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120702
Creation Date:	5/24/2013 22:15:24
Receipt Date:	20120712
Manifest ID:	003303182SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC

TUBECITY IMS LLC (Continued) **S113798484**

TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120702
Creation Date: 5/24/2013 22:15:17
Receipt Date: 20120712
Manifest ID: 003303181SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: TXD077603371
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 491 - Unspecified sludge waste
RCRA Code: F005
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: F003
Additional Code 2: D035
Additional Code 3: D001
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: TAMCO
Address: 12459 ARROW HIGHWAY
City,State,Zip: RANCHO CUCAMONGA, CA 91739-9601
Site ID: 497646
CERS ID: 110000477788
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: GIANNINA ESPINOZA
Entity Title: Not reported
Affiliation Address: POBOX 325
Affiliation City: RANCHOCUCAMONGA
Affiliation State: Not reported
Affiliation Country: Not reported

TUBECITY IMS LLC (Continued) **S113798484**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JEFFREY C DAMBRUN
Entity Title: ENVIRONMENTAL MGR
Affiliation Address: POBOX 325
Affiliation City: RANCHOCUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JESSE J WHT
Entity Title: ENVIRONMENTAL MANAGER
Affiliation Address: POBOX 325
Affiliation City: RANCHOCUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT SANTA ANA RWQCB REGN 8
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREETNA SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MARK OLSON
Entity Title: VICE PRESIDENT / GENERAL MANAGER
Affiliation Address: POBOX 325
Affiliation City: RANCHOCUCAMONGA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MR JAMES CROMPTON
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: GERALD ADAMS
Entity Title: Not reported
Affiliation Address: Not reported

TUBECITY IMS LLC (Continued) **S113798484**

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Mark Olson
Entity Title: Not reported
Affiliation Address: POBOX 325
Affiliation City: RANCHOCUCAMONGA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST PO Name
Entity Name: TAMCO
Entity Title: Not reported
Affiliation Address: POBOX 325
Affiliation City: RANCHOCUCAMONGA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: PIPE SUBSTATION
Address: 12459 ARROW HWY
Address 2: Not reported
City,State,Zip: ETIWANDA, CA 91739
EPA ID: CAC003082971
Inactive Date: 12/09/2020
Create Date: 09/09/2020
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 800
Mailing Address 2: Not reported
Mailing City,State,Zip: ROSEMEAD, CA 917700000
Owner Name: SOUTHERN CALIFORNIA EDISON
Owner Address: PO BOX 800
Owner Address 2: Not reported
Owner City,State,Zip: ROSEMEAD, CA 917700000
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: SARA M. DUVALL
Contact Address: P.O. BOX 800
Contact Address 2: Not reported
City,State,Zip: ROSEMEAD, CA 91770
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 34.09896349
Longitude: -117.53382

TUBECITY IMS LLC (Continued) **S113798484**

NAICS:

EPA ID:	CAC003082971
Create Date:	2020-09-09 12:21:39.653
NAICS Code:	221121
NAICS Description:	Electric Bulk Power Transmission and Control
Issued EPA ID Date:	2020-09-09 12:21:39.65300
Inactive Date:	2020-12-09 12:21:39.65300
Facility Name:	PIPE SUBSTATION
Facility Address:	12459 ARROW HWY
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91739

Name:	TUBECITY IMS LLC
Address:	12459 ARROW HIGHWAY
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000349774
Inactive Date:	01/24/2013
Create Date:	02/04/2010
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1155 BUSINESS CENTER DRIVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	HORSHAM, PA 190440000
Owner Name:	TUBECITY IMS LLC
Owner Address:	1155 BUSINESS CENTER DR
Owner Address 2:	Not reported
Owner City,State,Zip:	HORSHAM, PA 190440000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	MICHAEL CONNOLLY
Contact Address:	1155 BUSINESS CENTER DR
Contact Address 2:	Not reported
City,State,Zip:	HORSHAM, PA 190440000
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.099069
Longitude:	-117.533789

NAICS:

EPA ID:	CAL000349774
Create Date:	2010-02-04 09:17:59.900
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2010-02-04 09:17:59.83700
Inactive Date:	2013-01-24 00:00:00
Facility Name:	TUBECITY IMS LLC
Facility Address:	12459 ARROW HIGHWAY
Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA

TUBECITY IMS LLC (Continued) **S113798484**

Facility County: Not reported
Facility State: CA
Facility Zip: 91739

A35 **FONTANA STEEL** **FINDS** **1017808312**
Target **12451 ARROW ROUTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 35 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110064241002

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California's Department of Toxic Substances Control's (DTSC's)-EnviroStor database is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A36 **TAMCO** **TSCA** **1015779913**
Target **12459-B ARROW ROUTE** **ICIS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739** **US AIRS**

Site 36 of 103 in cluster A

Actual:
1140 ft.

TSCA:
Site Name: TAMCO
Site Address: 12459-B ARROW ROUTE
Site City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site County: Not reported
Facility ID: Not reported

TSCA 2016-2019:
Chemical ID Number: 65996-71-6
Case Number: 65996716
Chemical Name: Slags, steelmaking
Activity: Manufacture
Number of Workers: 100 - 499
Max Concentration: 90% +
Chemical Recycled: Yes
Physical Forms: Other Solid
Site Name: TAMCO
Site Address: 12459-B ARROW ROUTE
Site Address 2: Not reported
Site City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site County: SAN BERNARDINO
Chemical ID type: CASRN
Domestic parent company name: Commercial Metals Co

TAMCO (Continued) **1015779913**

Domestic pc address line1:	6565 Macarthur Blvd
Domestic pc address line2:	Suite 800
Domestic pc city:	Rancho Cucamonga
Domestic pc county / parish:	Irving
Domestic pc state:	TX
Domestic pc postal code:	75039
Domestic pc dun and bradstreet number:	00-792-5845
Foreign parent company name:	Not reported
Foreign pc address line1:	Not reported
Foreign pc address line2:	Not reported
Foreign pc city:	Not reported
Foreign pc county / parish:	Not reported
Foreign pc postal code:	Not reported
Foreign pc country code:	Not reported
Foreign pc dun and bradstreet number:	Not reported
Site latitude:	34.09787
Site longitude:	-117.529362
Site dun and bradstreet number:	00-409-3456
Epa-tsca program id:	TSCA8593
Epa facility registry id:	110000477790
Site naics code 1:	331111 Iron And Steel Mills
Site naics activity 1:	Manufacture
Site naics code 2:	Not reported
Site naics activity 2:	Not reported
Site naics code 3:	Not reported
Site naics activity 3:	Not reported
2019 domestic pv:	64370765
2019 import pv:	0
2019 pv:	64370765
2018 pv:	54050479
2017 pv:	110278996
2016 pv:	88041595
2019 nationally aggregated pv:	20,000,000,000 - <30,000,000,000 lb
2018 nationally aggregated pv:	20,000,000,000 - <30,000,000,000 lb
2017 nationally aggregated pv:	20,000,000,000 - <30,000,000,000 lb
2016 nationally aggregated pv:	20,000,000,000 - <30,000,000,000 lb
Imported chem never at site:	Not reported
2019 v used on-site:	0
2019 v exported:	0
Pct byp code:	B4
Percent byproduct:	100 percent by weight
Workers code:	W5
Max conc code:	M5
Joint fc code:	Not reported
Joint function category:	Not reported
Joint funct cat other desc:	Not reported

2016-2019 Consumer:

Product Category:	Not reported
Children Products:	Not reported
Max Concentration:	Not reported
Number of Workers:	Not reported
Chemical Name:	Slags, steelmaking
Chemical ID:	65996-71-6
C / c prod cat code:	Not reported
Cons / comm prod cat other desc:	Not reported
C / c fc code:	Not reported
Cons / comm function category:	Not reported

TAMCO (Continued) **1015779913**

Cons / comm funct cat other desc:	Not reported
Cons or comm use:	Not reported
C / c pv pct:	Not reported
C / c max conc code:	Not reported
Comm workers code:	Not reported

2016-2019 Industrial:

Type Process Use:	Processing-repackaging
Sector:	Non-metallic Mineral Product Manufacturing (includes clay, glass, cement, concrete, lime, gypsum, and other non-metallic mineral product manufacturing)
Function Category:	Filler
Number of Sites:	< 10
Number of Workers:	100 - 499
Chemical Name:	Slags, steelmaking
Chemical ID:	65996-71-6
Case Number:	65996716
Ind type code:	PK
Ind sect code:	IS37
Ind sector other desc:	Not reported
Ind fc code:	F022
Ind funct cat other desc:	Not reported
Ind pv pct:	100
Ind sites code:	S1
Ind workers code:	W5

Chemical ID Number:	65996-72-7
Case Number:	65996727
Chemical Name:	Dust, steelmaking
Activity:	Manufacture
Number of Workers:	100 - 499
Max Concentration:	90% +
Chemical Recycled:	Yes
Physical Forms:	Dry Powder
Site Name:	TAMCO
Site Address:	12459-B ARROW ROUTE
Site Address 2:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site County:	SAN BERNARDINO
Chemical ID type:	CASRN
Domestic parent company name:	Commercial Metals Co
Domestic pc address line1:	6565 Macarthur Blvd
Domestic pc address line2:	Suite 800
Domestic pc city:	Rancho Cucamonga
Domestic pc county / parish:	Irving
Domestic pc state:	TX
Domestic pc postal code:	75039
Domestic pc dun and bradstreet number:	00-792-5845
Foreign parent company name:	Not reported
Foreign pc address line1:	Not reported
Foreign pc address line2:	Not reported
Foreign pc city:	Not reported
Foreign pc county / parish:	Not reported
Foreign pc postal code:	Not reported
Foreign pc country code:	Not reported
Foreign pc dun and bradstreet number:	Not reported

TAMCO (Continued) **1015779913**

Site latitude:	34.09787
Site longitude:	-117.529362
Site dun and bradstreet number:	00-409-3456
Epa-tsca program id:	TSCA8593
Epa facility registry id:	110000477790
Site naics code 1:	331111 Iron And Steel Mills
Site naics activity 1:	Manufacture
Site naics code 2:	Not reported
Site naics activity 2:	Not reported
Site naics code 3:	Not reported
Site naics activity 3:	Not reported
2019 domestic pv:	8616000
2019 import pv:	0
2019 pv:	8616000
2018 pv:	11837282
2017 pv:	11876682
2016 pv:	9502358
2019 nationally aggregated pv:	1,000,000,000 - <5,000,000,000 lb
2018 nationally aggregated pv:	1,000,000,000 - <5,000,000,000 lb
2017 nationally aggregated pv:	1,000,000,000 - <5,000,000,000 lb
2016 nationally aggregated pv:	1,000,000,000 - <5,000,000,000 lb
Imported chem never at site:	Not reported
2019 v used on-site:	0
2019 v exported:	8616000
Pct byp code:	B4
Percent byproduct:	100 percent by weight
Workers code:	W5
Max conc code:	M5
Joint fc code:	Not reported
Joint function category:	Not reported
Joint funct cat other desc:	Not reported

2016-2019 Consumer:

Product Category:	Not reported
Children Products:	Not reported
Max Concentration:	Not reported
Number of Workers:	Not reported
Chemical Name:	Dust, steelmaking
Chemical ID:	65996-72-7
C / c prod cat code:	Not reported
Cons / comm prod cat other desc:	Not reported
C / c fc code:	Not reported
Cons / comm function category:	Not reported
Cons / comm funct cat other desc:	Not reported
Cons or comm use:	Not reported
C / c pv pct:	Not reported
C / c max conc code:	Not reported
Comm workers code:	Not reported

2016-2019 Industrial:

Type Process Use:	Not reported
Sector:	Not reported
Function Category:	Not reported
Number of Sites:	Not reported
Number of Workers:	Not reported
Chemical Name:	Dust, steelmaking
Chemical ID:	65996-72-7

TAMCO (Continued) **1015779913**

Case Number:	65996727
Ind type code:	Not reported
Ind sect code:	Not reported
Ind sector other desc:	Not reported
Ind fc code:	Not reported
Ind funct cat other desc:	Not reported
Ind pv pct:	Not reported
Ind sites code:	Not reported
Ind workers code:	Not reported

Chemical ID Number:	65996-74-9
Case Number:	65996749
Chemical Name:	Mill scale (ferrous metal)
Activity:	Manufacture
Number of Workers:	50 - 99
Max Concentration:	90% +
Chemical Recycled:	Yes
Physical Forms:	Water or Solvent Wet Solid
Site Name:	TAMCO
Site Address:	12459-B ARROW ROUTE
Site Address 2:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site County:	SAN BERNARDINO
Chemical ID type:	CASRN
Domestic parent company name:	Commercial Metals Co
Domestic pc address line1:	6565 Macarthur Blvd
Domestic pc address line2:	Suite 800
Domestic pc city:	Rancho Cucamonga
Domestic pc county / parish:	Irving
Domestic pc state:	TX
Domestic pc postal code:	75039
Domestic pc dun and bradstreet number:	00-792-5845
Foreign parent company name:	Not reported
Foreign pc address line1:	Not reported
Foreign pc address line2:	Not reported
Foreign pc city:	Not reported
Foreign pc county / parish:	Not reported
Foreign pc postal code:	Not reported
Foreign pc country code:	Not reported
Foreign pc dun and bradstreet number:	Not reported
Site latitude:	34.09787
Site longitude:	-117.529362
Site dun and bradstreet number:	00-409-3456
Epa-tsca program id:	TSCA8593
Epa facility registry id:	110000477790
Site naics code 1:	331111 Iron And Steel Mills
Site naics activity 1:	Manufacture
Site naics code 2:	Not reported
Site naics activity 2:	Not reported
Site naics code 3:	Not reported
Site naics activity 3:	Not reported
2019 domestic pv:	109083
2019 import pv:	0
2019 pv:	109083
2018 pv:	80067
2017 pv:	165935

TAMCO (Continued) **1015779913**

2016 pv:	143223
2019 nationally aggregated pv:	1,000,000,000 - <5,000,000,000 lb
2018 nationally aggregated pv:	1,000,000,000 - <5,000,000,000 lb
2017 nationally aggregated pv:	1,000,000,000 - <5,000,000,000 lb
2016 nationally aggregated pv:	1,000,000,000 - <5,000,000,000 lb
Imported chem never at site:	Not reported
2019 v used on-site:	0
2019 v exported:	0
Pct byp code:	B4
Percent byproduct:	100 percent by weight
Workers code:	W4
Max conc code:	M5
Joint fc code:	Not reported
Joint function category:	Not reported
Joint funct cat other desc:	Not reported

2016-2019 Consumer:

Product Category:	Not reported
Children Products:	Not reported
Max Concentration:	Not reported
Number of Workers:	Not reported
Chemical Name:	Mill scale (ferrous metal)
Chemical ID:	65996-74-9
C / c prod cat code:	Not reported
Cons / comm prod cat other desc:	Not reported
C / c fc code:	Not reported
Cons / comm function category:	Not reported
Cons / comm funct cat other desc:	Not reported
Cons or comm use:	Not reported
C / c pv pct:	Not reported
C / c max conc code:	Not reported
Comm workers code:	Not reported

2016-2019 Industrial:

Type Process Use:	Processing-incorporation into formulation, mixture, or reaction product
Sector:	Non-metallic Mineral Product Manufacturing (includes clay, glass, cement, concrete, lime, gypsum, and other non-metallic mineral product manufacturing)
Function Category:	Fillers
Number of Sites:	< 10
Number of Workers:	100 - 499
Chemical Name:	Mill scale (ferrous metal)
Chemical ID:	65996-74-9
Case Number:	65996749
Ind type code:	PF
Ind sect code:	IS37
Ind sector other desc:	Not reported
Ind fc code:	U009
Ind funct cat other desc:	Not reported
Ind pv pct:	100
Ind sites code:	S1
Ind workers code:	W5

Chemical ID Number:	65997-19-5
Case Number:	65997195

TAMCO (Continued) **1015779913**

Chemical Name:	Steel manufacture, chemicals
Activity:	Manufacture
Number of Workers:	100 - 499
Max Concentration:	1% - < 30%
Chemical Recycled:	No
Physical Forms:	Other Solid
Site Name:	TAMCO
Site Address:	12459-B ARROW ROUTE
Site Address 2:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site County:	SAN BERNARDINO
Chemical ID type:	CASRN
Domestic parent company name:	Commercial Metals Co
Domestic pc address line1:	6565 Macarthur Blvd
Domestic pc address line2:	Suite 800
Domestic pc city:	Rancho Cucamonga
Domestic pc county / parish:	Irving
Domestic pc state:	TX
Domestic pc postal code:	75039
Domestic pc dun and bradstreet number:	00-792-5845
Foreign parent company name:	Not reported
Foreign pc address line1:	Not reported
Foreign pc address line2:	Not reported
Foreign pc city:	Not reported
Foreign pc county / parish:	Not reported
Foreign pc postal code:	Not reported
Foreign pc country code:	Not reported
Foreign pc dun and bradstreet number:	Not reported
Site latitude:	34.09787
Site longitude:	-117.529362
Site dun and bradstreet number:	00-409-3456
Epa-tsca program id:	TSCA8593
Epa facility registry id:	110000477790
Site naics code 1:	331111 Iron And Steel Mills
Site naics activity 1:	Manufacture
Site naics code 2:	Not reported
Site naics activity 2:	Not reported
Site naics code 3:	Not reported
Site naics activity 3:	Not reported
2019 domestic pv:	10880736
2019 import pv:	0
2019 pv:	10880736
2018 pv:	34089226
2017 pv:	27469097
2016 pv:	20448530
2019 nationally aggregated pv:	10,000,000,000 - <20,000,000,000 lb
2018 nationally aggregated pv:	10,000,000,000 - <20,000,000,000 lb
2017 nationally aggregated pv:	10,000,000,000 - <20,000,000,000 lb
2016 nationally aggregated pv:	10,000,000,000 - <20,000,000,000 lb
Imported chem never at site:	Not reported
2019 v used on-site:	0
2019 v exported:	0
Pct byp code:	B1
Percent byproduct:	0 percent by weight
Workers code:	W5
Max conc code:	M2
Joint fc code:	Not reported

TAMCO (Continued) **1015779913**

Joint function category: Not reported
Joint funct cat other desc: Not reported

2016-2019 Consumer:
Product Category: Building/Construction Materials not covered elsewhere
Children Products: 100
Max Concentration: 1% - < 30%
Number of Workers: Not Known or Reasonably Ascertainable
Chemical Name: Steel manufacture, chemicals
Chemical ID: 65997-19-5
C / c prod cat code: C204
Cons / comm prod cat other desc: Not reported
C / c fc code: U999
Cons / comm function category: Other (specify)
Cons / comm funct cat other desc: Metal Alloy Constituent
Cons or comm use: Both
C / c pv pct: Yes
C / c max conc code: M2
Comm workers code: NKRA

2016-2019 Industrial:
Type Process Use: Processing-incorporation into article
Sector: Fabricated Metal Product Manufacturing
Function Category: Other (specify)
Number of Sites: 25 - 99
Number of Workers: Not Known or Reasonably Ascertainable
Chemical Name: Steel manufacture, chemicals
Chemical ID: 65997-19-5
Case Number: 65997195
Ind type code: PA
Ind sect code: IS39
Ind sector other desc: Not reported
Ind fc code: U999
Ind funct cat other desc: Metal Alloy Constituent
Ind pv pct: 65
Ind sites code: S3
Ind workers code: NKRA

Type Process Use: Processing-repackaging
Sector: Fabricated Metal Product Manufacturing
Function Category: Other (specify)
Number of Sites: < 10
Number of Workers: Not Known or Reasonably Ascertainable
Chemical Name: Steel manufacture, chemicals
Chemical ID: 65997-19-5
Case Number: 65997195
Ind type code: PK
Ind sect code: IS39
Ind sector other desc: Not reported
Ind fc code: U999
Ind funct cat other desc: Metal Alloy Constituent
Ind pv pct: 35
Ind sites code: S1
Ind workers code: NKRA

TAMCO (Continued) **1015779913**

TSCA 2012-2015:

Consolidated ID:	914492
Chemical ID Number:	65996-72-7
Stripped Chemical ID NUmber:	65996727
Chemical Name:	Dust, steelmaking
Activity:	Domestically Manufactured
DOM MFG LB:	10080000
Imported LB:	0
Dom Import:	10080000
Imported Never at Site:	Not reported
Volume Used:	0
Volume Exported:	10080000
Number of Workers:	At least 100 but fewer than 500 workers
Max Concentration:	Less than 1% by weight
Chemical Recycled:	YES
Physical Forms:	DryPowder
PPV 2014:	10678000
PPV 2013:	8981800
PPV 2012:	16750000
Parent Company Name:	GERDAU USA INC
Parent Address:	Arrow Route
Parent Supplemental Address:	Not reported
Parent City:	Rancho Cucamonga
Parent County:	California
Parent State:	CA
Parent Zip:	91739
Submitter First Name:	Jesse
Submitter Middle Initial:	Not reported
Submitter Last Name:	White
Submitter Suffix:	Not reported
Submitter Title:	Mr
Site Name:	TAMCO
Site Address:	12459-B ARROW ROUTE
Site Supplemental Address:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site County:	SAN BERNARDINO
NAT AGG PVV 2015:	1,000,000,000 - <5,000,000,000 lbs
NAT AGG PVV 2014:	1,000,000,000 - <5,000,000,000 lbs
NAT AGG PVV 2013:	1,000,000,000 - <5,000,000,000 lbs
NAT AGG PVV 2012:	1,000,000,000 - <5,000,000,000 lbs

Consolidated ID:	914495
Chemical ID Number:	65996-74-9
Stripped Chemical ID NUmber:	65996749
Chemical Name:	Mill scale (ferrous metal)
Activity:	Domestically Manufactured
DOM MFG LB:	52488000
Imported LB:	0
Dom Import:	52488000
Imported Never at Site:	Not reported
Volume Used:	0
Volume Exported:	52488000
Number of Workers:	At least 100 but fewer than 500 workers
Max Concentration:	Less than 1% by weight
Chemical Recycled:	YES
Physical Forms:	OtherSolid
PPV 2014:	69942000

TAMCO (Continued) **1015779913**

PPV 2013:	104010000
PPV 2012:	10193000
Parent Company Name:	GERDAU USA INC
Parent Address:	Arrow Route
Parent Supplemental Address:	Not reported
Parent City:	Rancho Cucamonga
Parent County:	California
Parent State:	CA
Parent Zip:	91739
Submitter First Name:	Jesse
Submitter Middle Initial:	Not reported
Submitter Last Name:	White
Submitter Suffix:	Not reported
Submitter Title:	Mr
Site Name:	TAMCO
Site Address:	12459-B ARROW ROUTE
Site Supplemental Address:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site County:	SAN BERNARDINO
NAT AGG PVV 2015:	1,000,000,000 - <5,000,000,000 lbs
NAT AGG PVV 2014:	4,093,822,556 lbs
NAT AGG PVV 2013:	4,027,152,908 lbs
NAT AGG PVV 2012:	3,759,826,350 lbs
Consolidated ID:	914493
Chemical ID Number:	65997-19-5
Stripped Chemical ID NUmber:	65997195
Chemical Name:	Steel manufacture, chemicals
Activity:	Domestically Manufactured
DOM MFG LB:	CBI
Imported LB:	0
Dom Import:	CBI
Imported Never at Site:	Not reported
Volume Used:	0
Volume Exported:	31277083
Number of Workers:	At least 100 but fewer than 500 workers
Max Concentration:	At least 90% by weight
Chemical Recycled:	YES
Physical Forms:	OtherSolid
PPV 2014:	36139800
PPV 2013:	29285137
PPV 2012:	30507700
Parent Company Name:	GERDAU USA INC
Parent Address:	Arrow Route
Parent Supplemental Address:	Not reported
Parent City:	Rancho Cucamonga
Parent County:	California
Parent State:	CA
Parent Zip:	91739
Submitter First Name:	Jesse
Submitter Middle Initial:	Not reported
Submitter Last Name:	White
Submitter Suffix:	Not reported
Submitter Title:	Mr
Site Name:	TAMCO
Site Address:	12459-B ARROW ROUTE
Site Supplemental Address:	Not reported

TAMCO (Continued) **1015779913**

Site City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site County: SAN BERNARDINO
NAT AGG PVV 2015: 20,000,000,000 - <30,000,000,000 lbs
NAT AGG PVV 2014: 30,000,000,000 - <40,000,000,000 lbs
NAT AGG PVV 2013: 30,000,000,000 - <40,000,000,000 lbs
NAT AGG PVV 2012: 30,000,000,000 - <40,000,000,000 lbs

2012-2015 Consumer:
Consolidated ID: 914493
Product Category: Metal products not covered elsewhere
Cons Comm Option: Both
Children Products: No
Percent Product Volume: 1
Max Concentration: Less than 1% by weight
Number of Workers: Not known or reasonably ascertainable

Consolidated ID: 914493
Product Category: Metal products not covered elsewhere
Cons Comm Option: Both
Children Products: Yes
Percent Product Volume: 50
Max Concentration: Less than 1% by weight
Number of Workers: Not known or reasonably ascertainable

Consolidated ID: 914493
Product Category: Metal products not covered elsewhere
Cons Comm Option: Commercial
Children Products: No
Percent Product Volume: 49
Max Concentration: Less than 1% by weight
Number of Workers: Not known or reasonably ascertainable

2012-2015 Industrial:
Consolidated ID: 914493
Type Process Use: Processing incorporation into article
Sector: Fabricated metal product manufacturing
Function Category: Metal Alloy Constituent
Percent Product Volume: 50
Number of Sites: Fewer than 10 sites
Number of Workers: Not known or reasonably ascertainable

Consolidated ID: 914493
Type Process Use: Processing repackaging
Sector: Fabricated metal product manufacturing
Function Category: Metal Alloy Constituent
Percent Product Volume: 50
Number of Sites: At least 25 but fewer than 100 sites
Number of Workers: Not known or reasonably ascertainable

Consolidated ID: 914494
Chemical ID Number: 65996-71-6
Stripped Chemical ID NUmber: 65996716
Chemical Name: Slags, steelmaking
Activity: Domestically Manufactured
DOM MFG LB: CBI
Imported LB: 0

TAMCO (Continued) **1015779913**

Dom Import:	CBI
Imported Never at Site:	Not reported
Volume Used:	0
Volume Exported:	CBI
Number of Workers:	At least 100 but fewer than 500 workers
Max Concentration:	Less than 1% by weight
Chemical Recycled:	YES
Physical Forms:	DryPowder
PPV 2014:	120460000
PPV 2013:	58495420
PPV 2012:	183126000
Parent Company Name:	GERDAU USA INC
Parent Address:	Arrow Route
Parent Supplemental Address:	Not reported
Parent City:	Rancho Cucamonga
Parent County:	California
Parent State:	CA
Parent Zip:	91739
Submitter First Name:	Jesse
Submitter Middle Initial:	Not reported
Submitter Last Name:	White
Submitter Suffix:	Not reported
Submitter Title:	Mr
Site Name:	TAMCO
Site Address:	12459-B ARROW ROUTE
Site Supplemental Address:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site County:	SAN BERNARDINO
NAT AGG PVV 2015:	20,000,000,000 - <30,000,000,000 lbs
NAT AGG PVV 2014:	20,000,000,000 - <30,000,000,000 lbs
NAT AGG PVV 2013:	20,000,000,000 - <30,000,000,000 lbs
NAT AGG PVV 2012:	20,000,000,000 - <30,000,000,000 lbs

ICIS:

Enforcement Action ID:	CASCAA200140316
FRS ID:	110000477788
Action Name:	NOV P64405 ISSUED ON 7/19/2016 FOR RULE 2004
Facility Name:	TAMCO
Facility Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Enforcement Action Type:	Notice of Violation
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2759
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.09787
Longitude in Decimal Degrees:	-117.529362
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000607100517
Facility NAICS Code:	331111
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA200124101
FRS ID:	110000477788

TAMCO (Continued) **1015779913**

Action Name:	NOV P54931 RULE 2004(b)(1), (d)(1)
Facility Name:	TAMCO
Facility Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Enforcement Action Type:	Notice of Violation
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2759
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.09787
Longitude in Decimal Degrees:	-117.529362
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000607100517
Facility NAICS Code:	331111
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060710051700085
FRS ID:	110000477788
Action Name:	TAMCO 060710051700085
Facility Name:	TAMCO
Facility Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Enforcement Action Type:	Administrative Order
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2759
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.09787
Longitude in Decimal Degrees:	-117.529362
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000607100517
Facility NAICS Code:	331111
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060710051700084
FRS ID:	110000477788
Action Name:	TAMCO 060710051700084
Facility Name:	TAMCO
Facility Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Enforcement Action Type:	Notice of Violation
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2759
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.09787
Longitude in Decimal Degrees:	-117.529362
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000607100517
Facility NAICS Code:	331111
Tribal Land Code:	Not reported

TAMCO (Continued) **1015779913**

Enforcement Action ID: CASCAA0000060710051700079
FRS ID: 110000477788
Action Name: TAMCO 060710051700079
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Administrative Order
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700078
FRS ID: 110000477788
Action Name: TAMCO 060710051700078
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700061
FRS ID: 110000477788
Action Name: TAMCO 060710051700061
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Administrative Order
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517

TAMCO (Continued) **1015779913**

Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700060
FRS ID: 110000477788
Action Name: TAMCO 060710051700060
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700045
FRS ID: 110000477788
Action Name: TAMCO 060710051700045
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Administrative Order
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700044
FRS ID: 110000477788
Action Name: TAMCO 060710051700044
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787

TAMCO (Continued) **1015779913**

Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700040
FRS ID: 110000477788
Action Name: TAMCO 060710051700040
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Administrative Order
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700039
FRS ID: 110000477788
Action Name: TAMCO 060710051700039
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700036
FRS ID: 110000477788
Action Name: TAMCO 060710051700036
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Administrative Order
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO

TAMCO (Continued) **1015779913**

Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700035
FRS ID: 110000477788
Action Name: TAMCO 060710051700035
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700032
FRS ID: 110000477788
Action Name: TAMCO 060710051700032
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Administrative Order
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700031
FRS ID: 110000477788
Action Name: TAMCO 060710051700031
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO

TAMCO (Continued) **1015779913**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700028
FRS ID: 110000477788
Action Name: TAMCO 060710051700028
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Administrative Order
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060710051700027
FRS ID: 110000477788
Action Name: TAMCO 060710051700027
Facility Name: TAMCO
Facility Address: 12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2759
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.09787
Longitude in Decimal Degrees: -117.529362
Permit Type Desc: Not reported
Program System Acronym: CASCA0000607100517
Facility NAICS Code: 331111
Tribal Land Code: Not reported

US AIRS (AFS):
Region Code: 09
County Code: CA071
Programmatic ID: AIR CASCA0000607100517

TAMCO (Continued) **1015779913**

Facility Registry ID: 110000477788
D and B Number: Not reported
Facility Site Name: TAMCO
Primary SIC Code: 2759
NAICS Code: 331111
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA0000607100517
Facility Registry ID: 110000477788
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

Air Program: Title V Permits
Activity Date: 2016-08-29 00:00:00
Activity Status Date: 2016-10-07 13:36:16
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-08-05 00:00:00
Activity Status Date: 2016-09-08 17:27:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-08-05 00:00:00
Activity Status Date: 2016-09-08 17:28:31
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2016-08-05 00:00:00
Activity Status Date: 2016-09-08 17:28:31
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2016-08-05 00:00:00
Activity Status Date: 2016-09-08 17:27:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TAMCO (Continued) **1015779913**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-28 00:00:00
Activity Status Date: 2015-10-09 18:01:17
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-08-28 00:00:00
Activity Status Date: 2015-10-09 18:01:17
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-07-21 00:00:00
Activity Status Date: 2015-09-10 18:09:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-07-21 00:00:00
Activity Status Date: 2015-09-10 18:09:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-01-29 00:00:00
Activity Status Date: 2015-10-09 17:55:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-01-16 00:00:00
Activity Status Date: 2015-09-10 18:21:44
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-08-29 00:00:00
Activity Status Date: 2015-09-10 18:18:37
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-08-29 00:00:00
Activity Status Date: 2015-01-08 19:07:02
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits

TAMCO (Continued) **1015779913**

Activity Date: 2014-08-29 00:00:00
Activity Status Date: 2015-09-10 18:18:36
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-08-29 00:00:00
Activity Status Date: 2015-01-08 19:08:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-07-24 00:00:00
Activity Status Date: 2015-01-08 19:05:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-07-24 00:00:00
Activity Status Date: 2015-01-08 19:05:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2013-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-27 00:00:00

TAMCO (Continued) **1015779913**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-01-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-01-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-12-15 00:00:00
Activity Status Date: Not reported

TAMCO (Continued) **1015779913**

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TAMCO (Continued) **1015779913**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-04-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-10-22 00:00:00
Activity Status Date: 2009-10-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2009-10-22 00:00:00
Activity Status Date: 2009-10-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2009-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

TAMCO (Continued) **1015779913**

Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-04 00:00:00
Activity Status Date: 2009-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2009-08-04 00:00:00
Activity Status Date: 2009-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TAMCO (Continued) **1015779913**

Air Program: Title V Permits
Activity Date: 2009-07-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-03-24 00:00:00
Activity Status Date: 2009-03-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2009-03-24 00:00:00
Activity Status Date: 2009-03-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2009-01-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-11-14 00:00:00
Activity Status Date: 2008-11-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2008-11-14 00:00:00
Activity Status Date: 2008-11-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits

TAMCO (Continued) **1015779913**

Activity Date: 2008-08-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-03-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-25 00:00:00

TAMCO (Continued) **1015779913**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-18 00:00:00
Activity Status Date: Not reported

TAMCO (Continued) **1015779913**

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-04-25 00:00:00
Activity Status Date: 2006-04-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-04-25 00:00:00
Activity Status Date: 2006-04-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2006-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-10 00:00:00
Activity Status Date: 2006-02-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-02-10 00:00:00
Activity Status Date: 2006-02-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2004-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TAMCO (Continued) **1015779913**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2003-11-19 00:00:00
Activity Status Date: 2003-11-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-11-19 00:00:00
Activity Status Date: 2003-11-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-08-22 00:00:00
Activity Status Date: 2003-08-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2003-08-22 00:00:00
Activity Status Date: 2003-08-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2000-08-10 00:00:00
Activity Status Date: 2000-08-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2000-04-04 00:00:00
Activity Status Date: 2000-04-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2000-03-31 00:00:00
Activity Status Date: 2000-03-31 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

TAMCO (Continued) **1015779913**

Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2000-02-23 00:00:00
Activity Status Date: 2000-02-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 1999-08-03 00:00:00
Activity Status Date: 1999-08-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 1999-05-07 00:00:00
Activity Status Date: 1999-05-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 1998-10-20 00:00:00
Activity Status Date: 1998-10-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 1998-07-01 00:00:00
Activity Status Date: 1998-07-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 1997-10-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-10-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TAMCO (Continued) **1015779913**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-11-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-12-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-12-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-11-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

TAMCO (Continued) **1015779913**

Activity Date: 1987-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-02-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-03-17 00:00:00

TAMCO (Continued) **1015779913**

Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1979-03-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1978-06-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

A37 **AMERON STEEL AND WIRE** **LUST** **S100929496**
Target **12459 ARROW HWY** **Cortese** **N/A**
Property **ETIWANDA, CA 91769**

Site 37 of 103 in cluster A

Actual: **1140 ft.**

LUST REG 8:

Name:	AMERON STEEL AND WIRE
Address:	12459 ARROW HWY
City:	ETIWANDA
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083600432T
Local Case Num:	90047
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	None Taken
Funding:	Not reported
How Discovered:	OM
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0607100046
How Stopped Date:	9/25/1989
Enter Date:	3/6/1987
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	11/1/1989
Discover Date:	9/25/1989
Enforcement Date:	1/1/1965
Close Date:	12/4/1990
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	2/13/1990

AMERON STEEL AND WIRE (Continued) **S100929496**

Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	3/6/1987
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	No
Oversite Program:	LUST
Latitude:	34.1007265
Longitude:	-117.5235672
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	CAB
Staff Initials:	CR2
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

CORTESE:

Name:	AMERON STEEL AND WIRE
Address:	12459 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91769
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607100046
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

A38 **TAMCO INCORPORATED** **TSCA** **1016951374**
Target **12459 ARROW HIGHWAY** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 38 of 103 in cluster A

Actual:
1140 ft.

TSCA:

Site Name:	TAMCO INCORPORATED
Site Address:	12459 ARROW HIGHWAY
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9601
Site County:	SAN BERNARDINO
Facility ID:	Not reported

TSCA 2012:

Chemical ID Number:	65996-71-6
Stripped Chemical ID Number:	65996716
Number ID Code:	CASRN
Chemical Name:	Slags, steelmaking
Activity:	Manufacture
Domestic MFG LB:	160552000
Imported LB:	0
Imported Never at Site:	Not reported
Volume Used:	0
Volume Exported:	45559740
Number of Workers:	100 - 499
Max Concentration:	90% +
Chemical Recycled:	NO
Physical Forms:	OtherSolid
Past Product Volume:	108952000
Parent Company Name:	Gerdau Ameristeel US Inc.
Parent Address:	4221 West Boyscout Boulevard
Parent Supplemental Address:	Suite 600
Parent City,State,Zip:	Tampa, FL 33607
Parent County:	Hillsborough
Submitter First Name:	James
Submitter Middle Initial:	Not reported
Submitter Last Name:	Crompton
Submitter Suffix:	Not reported
Submitter Title:	Mr.
Site Name:	TAMCO INCORPORATED
Site Address:	12459 ARROW HIGHWAY
Site Supplemental Address:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9601
Site County:	SAN BERNARDINO

2012 Consumer:

Chemical Report ID:	563322
Product Category:	Metal Products not covered elsewhere
Consumer Comm Option:	Commercial
Children Products:	No
Consumer Percent Product Volume:	100
Consumer Max Concentration:	90% +
Consumer Number of Workers:	Not Known or Reasonably Ascertainable

2012 Industrial:

Chemical Report ID:	563322
Type Process Use:	Processing-repackaging
Sector:	Construction
Function Category:	Other (specify)
Industrial Percent Product Volume:	100

TAMCO INCORPORATED (Continued) **1016951374**

Number of Sites: Not Known or Reasonably Ascertainable
Industrial Number of Workers: < 10

Chemical ID Number: 65996-72-7
Stripped Chemical ID Number: 65996727
Number ID Code: CASRN
Chemical Name: Dust, steelmaking
Activity: Manufacture
Domestic MFG LB: 6396450
Imported LB: 0
Imported Never at Site: Not reported
Volume Used: 0
Volume Exported: 6396450
Number of Workers: 100 - 499
Max Concentration: 90% +
Chemical Recycled: NO
Physical Forms: OtherSolid
Past Product Volume: 6096950
Parent Company Name: Gerdau Ameristeel US Inc.
Parent Address: 4221 West Boyscout Boulevard
Parent Supplemental Address: Suite 600
Parent City,State,Zip: Tampa, FL 33607
Parent County: Hillsborough
Submitter First Name: James
Submitter Middle Initial: Not reported
Submitter Last Name: Crompton
Submitter Suffix: Not reported
Submitter Title: Mr.
Site Name: TAMCO INCORPORATED
Site Address: 12459 ARROW HIGHWAY
Site Supplemental Address: Not reported
Site City,State,Zip: RANCHO CUCAMONGA, CA 91739-9601
Site County: SAN BERNARDINO

2012 Industrial:
Chemical Report ID: 563220
Type Process Use: Processing as a reactant
Sector: Primary Metal Manufacturing
Function Category: Intermediates
Industrial Percent Product Volume: 100
Number of Sites: 100 - 499
Industrial Number of Workers: < 10

Chemical ID Number: 65996-74-9
Stripped Chemical ID Number: 65996749
Number ID Code: CASRN
Chemical Name: Mill scale (ferrous metal)
Activity: Manufacture
Domestic MFG LB: 6748540
Imported LB: 0
Imported Never at Site: Not reported
Volume Used: 0
Volume Exported: 6748540
Number of Workers: 100 - 499
Max Concentration: 90% +
Chemical Recycled: NO

TAMCO INCORPORATED (Continued) **1016951374**

Physical Forms:	OtherSolid
Past Product Volume:	5981201
Parent Company Name:	Gerdau Ameristeel US Inc.
Parent Address:	4221 West Boyscout Boulevard
Parent Supplemental Address:	Suite 600
Parent City,State,Zip:	Tampa, FL 33607
Parent County:	Hillsborough
Submitter First Name:	James
Submitter Middle Initial:	Not reported
Submitter Last Name:	Crompton
Submitter Suffix:	Not reported
Submitter Title:	Mr.
Site Name:	TAMCO INCORPORATED
Site Address:	12459 ARROW HIGHWAY
Site Supplemental Address:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9601
Site County:	SAN BERNARDINO

2012 Industrial:

Chemical Report ID:	563309
Type Process Use:	Processing-incorporation into article
Sector:	Other (requires additional information)
Function Category:	Intermediates
Industrial Percent Product Volume:	100
Number of Sites:	Not Known or Reasonably Ascertainable
Industrial Number of Workers:	< 10

Chemical ID Number:	65997-19-5
Stripped Chemical ID Number:	65997195
Number ID Code:	CASRN
Chemical Name:	Steel manufacture, chemicals
Activity:	Manufacture
Domestic MFG LB:	52894404
Imported LB:	0
Imported Never at Site:	Not reported
Volume Used:	0
Volume Exported:	34544088
Number of Workers:	100 - 499
Max Concentration:	< 1%
Chemical Recycled:	NO
Physical Forms:	OtherSolid
Past Product Volume:	46880073
Parent Company Name:	Gerdau Ameristeel US Inc.
Parent Address:	4221 West Boyscout Boulevard
Parent Supplemental Address:	Suite 600
Parent City,State,Zip:	Tampa, FL 33607
Parent County:	Hillsborough
Submitter First Name:	James
Submitter Middle Initial:	Not reported
Submitter Last Name:	Crompton
Submitter Suffix:	Not reported
Submitter Title:	Mr.
Site Name:	TAMCO INCORPORATED
Site Address:	12459 ARROW HIGHWAY
Site Supplemental Address:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9601
Site County:	SAN BERNARDINO

TAMCO INCORPORATED (Continued) **1016951374**

2012 Consumer:

Chemical Report ID:	563233
Product Category:	Metal Products not covered elsewhere
Consumer Comm Option:	Both
Children Products:	No
Consumer Percent Product Volume:	19
Consumer Max Concentration:	< 1%
Consumer Number of Workers:	Not Known or Reasonably Ascertainable

Chemical Report ID:	563233
Product Category:	Metal Products not covered elsewhere
Consumer Comm Option:	Both
Children Products:	Not Known or Reasonably Ascertainable
Consumer Percent Product Volume:	2
Consumer Max Concentration:	< 1%
Consumer Number of Workers:	Not Known or Reasonably Ascertainable

Chemical Report ID:	563233
Product Category:	Building/Construction Materials not covered elsewhere
Consumer Comm Option:	Both
Children Products:	No
Consumer Percent Product Volume:	2
Consumer Max Concentration:	< 1%
Consumer Number of Workers:	Not Known or Reasonably Ascertainable

Chemical Report ID:	563233
Product Category:	Metal Products not covered elsewhere
Consumer Comm Option:	Commercial
Children Products:	No
Consumer Percent Product Volume:	100
Consumer Max Concentration:	< 1%
Consumer Number of Workers:	Not Known or Reasonably Ascertainable

Chemical Report ID:	563233
Product Category:	Building/Construction Materials not covered elsewhere
Consumer Comm Option:	Commercial
Children Products:	No
Consumer Percent Product Volume:	38
Consumer Max Concentration:	< 1%
Consumer Number of Workers:	Not Known or Reasonably Ascertainable

2012 Industrial:

Chemical Report ID:	563233
Type Process Use:	Processing-repackaging
Sector:	Fabricated Metal Product Manufacturing
Function Category:	Other (specify)
Industrial Percent Product Volume:	2
Number of Sites:	Not Known or Reasonably Ascertainable
Industrial Number of Workers:	10 - 24

Chemical Report ID:	563233
Type Process Use:	Processing-incorporation into article
Sector:	Construction
Function Category:	Other (specify)
Industrial Percent Product Volume:	40
Number of Sites:	Not Known or Reasonably Ascertainable

TAMCO INCORPORATED (Continued) **1016951374**

Industrial Number of Workers: 10 - 24

Chemical Report ID: 563233
Type Process Use: Processing-incorporation into formulation, mixture, or reaction product
Sector: Primary Metal Manufacturing
Function Category: Other (specify)
Industrial Percent Product Volume: 100
Number of Sites: 100 - 499
Industrial Number of Workers: < 10

Chemical Report ID: 563233
Type Process Use: Processing-incorporation into article
Sector: Primary Metal Manufacturing
Function Category: Other (specify)
Industrial Percent Product Volume: 100
Number of Sites: 100 - 499
Industrial Number of Workers: < 10

Chemical Report ID: 563233
Type Process Use: Processing-incorporation into article
Sector: Fabricated Metal Product Manufacturing
Function Category: Other (specify)
Industrial Percent Product Volume: 23
Number of Sites: Not Known or Reasonably Ascertainable
Industrial Number of Workers: 25 - 99

A39 **AMERON PIPE DIV, ARROW PLT** **AST** **A100345517**
Target **12455 ARROW RT** **N/A**
Property **RANCHO CUCAMONGA, CA**

Site 39 of 103 in cluster A

Actual: AST:
1140 ft.

Name: AMERON PIPE DIV, ARROW PLT
Address: 12455 ARROW RT
City/Zip: RANCHO CUCAMONGA,
Certified Unified Program Agencies: San Bernardino
Owner: AMERON INT'L WATER TRANSMISSION
Total Gallons: 4,720
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported

AMERON PIPE DIV, ARROW PLT (Continued) **A100345517**

Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

A40 **PHOENIX SERVICES LLC** **HAZNET** **S124922834**
Target **12459 ARROW ROUTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 40 of 103 in cluster A

Actual: **1140 ft.**

HAZNET:

Name:	PHOENIX SERVICES LLC
Address:	12459 B ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact:	WENDY HATFIELD
Telephone:	9096729717
Mailing Name:	Not reported
Mailing Address:	PO BOX 323
Year:	2021
Gepaid:	CAL000436116
TSD EPA ID:	AZR000520304
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06
Year:	2020
Gepaid:	CAL000436116
TSD EPA ID:	CAT080025711
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.836
Year:	2019
Gepaid:	CAL000436116
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.00000
Year:	2019
Gepaid:	CAL000436116
TSD EPA ID:	CAT080025711
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00000
Year:	2019

PHOENIX SERVICES LLC (Continued) **S124922834**

Gepaid: CAL000436116
TSD EPA ID: AZR000520304
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.40000

Year: 2018
Gepaid: CAL000436116
TSD EPA ID: AZR000520304
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.04500

Year: 2018
Gepaid: CAL000436116
TSD EPA ID: CAT080025711
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00000

Additional Info:
Year: 2021
Gen EPA ID: CAL000436116

Shipment Date: 9/9/2020
Creation Date: 9/17/2020
Receipt Date: 9/9/2020
Manifest ID: 006664056GBF
Trans EPA ID: CAD980814446
Trans Name: MARK ALARCON'S WASTE OIL SVC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080025711
Trans Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.836
Waste Quantity: 220
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2020
Gen EPA ID: CAL000436116

PHOENIX SERVICES LLC (Continued) **S124922834**

Shipment Date:	9/9/2020
Creation Date:	9/17/2020
Receipt Date:	9/9/2020
Manifest ID:	006664056GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SVC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.836
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2019
EM Manifest ID:	726554
Shipment Date:	9/13/2019
Receipt Date:	9/21/2019
Manifest Number:	006202354GBF
Generator EPA ID:	CAL000436116
Name:	PHOENIX SERVICES LLC
Address:	12459 ARROW ROUTE
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	909-259-5437
Transporter 1 EPA ID:	CAD980814446
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	726554
Generator EPA ID:	CAL000436116
Shipment Date:	2019-09-13

PHOENIX SERVICES LLC (Continued) **S124922834**

Manifest Number:	006202354GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	44710
Shipment Date:	12/21/2018
Receipt Date:	12/31/2018
Manifest Number:	003796792GBF
Generator EPA ID:	CAL000436116
Name:	PHOENIX SERVICES LLC
Address:	12459 ARROW ROUTE
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739
Telephone:	800-535-5053
Contact:	Not reported
Contact Telephone:	909-259-5437
Transporter 1 EPA ID:	CAD980814446
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	44710
Generator EPA ID:	CAL000436116
Shipment Date:	2018-12-21
Manifest Number:	003796792GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04500
Quantity Waste:	90.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

A41 **CHMIRS** **S116777365**
Target Property **12459 ARROW ROUTE**
RANCHO CUCAMONGA, CA 91739 **N/A**

Site 41 of 103 in cluster A

Actual: 1140 ft.

CHMIRS:

Name:	Not reported
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
OES Incident Number:	4-0792
OES notification:	02/10/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	700
Year:	2014
Agency:	Tree Island Wire
Incident Date:	2/10/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported

(Continued) **S116777365**

E Date:	Not reported
Substance:	Sulfuric Acid/Water Mixture
Quantity Released:	50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Overflow
Fatals:	No
Comments:	Not reported
Description:	RP states that a three tenths of one percent sulfuric acid tank valve malfunctioned and release entered into secondary containment which over flowed onto the concrete floor. Release was neutralized and clean up complete.

A42 **AMERON STEEL & WIRE** **EMI** **S116288025**
Target **12459 ARROW HWY** **N/A**
Property **ETIWANDA, CA 91739**

Site 42 of 103 in cluster A

Actual: **1140 ft.**

EMI:

Name:	AMERON STEEL & WIRE
Address:	12459 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91739
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	14434
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

A43 **SCE-AMERON SUBSTATION** **AST** **S105047648**
Target **12459 ARROW** **N/A**
Property **RANCHO CUCAMONGA, CA**

Site 43 of 103 in cluster A

Actual: **1140 ft.**

AST:

Name:	SCE-AMERON SUBSTATION
Address:	12459 ARROW
City/Zip:	RANCHO CUCAMONGA,
Certified Unified Program Agencies:	San Bernardino
Owner:	SOUTHERN CALIFORNIA EDISON
Total Gallons:	24,908
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

A44 **AMERICAN STEEL AND WIRE DIVISION** **HIST UST** **S112839212**
Target **12459 ARROW HIGHWAY** **HAZNET** **N/A**
Property **ETIWANDA, CA 91739** **HWTS**

Site 44 of 103 in cluster A

Actual: **1140 ft.**

HIST UST:

Name:	AMERICAN STEEL AND WIRE DIVISION
Address:	12459 ARROW HIGHWAY
City,State,Zip:	ETIWANDA, CA 91739
File Number:	000298dd
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000298dd.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

AMERICAN STEEL AND WIRE DIVISION (Continued) **S112839212**

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

Name:	AMERON STEEL AND WIRE
Address:	12459 ARROW HIGHWAY
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 917390000
Contact:	ROBERT P STEINKAMP
Telephone:	8186834000
Mailing Name:	Not reported
Mailing Address:	245 SOUTH LOS ROBLES
Year:	1993
Gepaid:	CAC000710224
TSD EPA ID:	HAH038000330
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	H01 - Transfer Station
Tons:	0.688

Additional Info:

Year:	1993
Gen EPA ID:	CAC000710224
Shipment Date:	19930525
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930525
Manifest ID:	89564536
Trans EPA ID:	CAT080012776
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	HAH038000330
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	D008

AMERICAN STEEL AND WIRE DIVISION (Continued) **S112839212**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	AMERON STEEL AND WIRE
Address:	12459 ARROW HIGHWAY
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAC000710224
Inactive Date:	10/25/2000
Create Date:	05/20/1993
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	245 SOUTH LOS ROBLES
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PASADENA, CA 911012894
Owner Name:	AMERON INC
Owner Address:	245 SOUTH LOS ROBLES
Owner Address 2:	Not reported
Owner City,State,Zip:	PASADENA, CA 911012894
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	ROBERT P STEINKAMP
Contact Address:	245 SOUTH LOS ROBLES
Contact Address 2:	Not reported
City,State,Zip:	PASADENA, CA 911012894
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.099092
Longitude:	-117.533835

Name:	AMERON SUBSTATION
Address:	12459 ARROW HWY
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAC003184668
Inactive Date:	10/10/2022
Create Date:	07/11/2022
Last Act Date:	10/11/2022
Mailing Name:	Not reported
Mailing Address:	ESD, PROGRAMS & GOVERNANCE
Mailing Address 2:	P.O. BOX 5085
Mailing City,State,Zip:	ROSEMEAD, CA 91770
Owner Name:	SOUTHERN CALIFORNIA EDISON
Owner Address:	ESD, PROGRAMS & GOVERNANCE
Owner Address 2:	P.O. BOX 5085
Owner City,State,Zip:	ROSEMEAD, CA 91770

AMERICAN STEEL AND WIRE DIVISION (Continued) **S112839212**

Owner Phone:	6263021212
Owner Fax:	Not reported
Contact Name:	SOKHOM MANG
Contact Address:	ESD, PROGRAMS & GOVERNANCE
Contact Address 2:	P.O. BOX 5085
City,State,Zip:	ROSEMEAD, CA 91770
Contact Phone:	5626762835
Contact Fax:	Not reported
Facility Status:	Not reported
Facility Type:	Not reported
Category:	Not reported
Latitude:	Not reported
Longitude:	Not reported

A45 **SOUTHERN CALIFORNIA EDISON AMERON SUBSTATION** **HAZNET** **S112960284**
Target **12459 ARROW RTE** **HWTS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 45 of 103 in cluster A

Actual:
1140 ft.

HAZNET:

Name:	SOUTHERN CALIFORNIA EDISON AMERON SUBSTATION
Address:	12459 ARROW RTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Contact:	STAN MARSH
Telephone:	6263029711
Mailing Name:	Not reported
Mailing Address:	PO BOX 800
Year:	2007
Gepaid:	CAC002614812
TSD EPA ID:	CAD050806850
CA Waste Code:	261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method:	-
Tons:	12.093

Additional Info:

Year:	2007
Gen EPA ID:	CAC002614812
Shipment Date:	20070329
Creation Date:	8/28/2007 18:30:20
Receipt Date:	20070329
Manifest ID:	000945441FLE
Trans EPA ID:	CAT080032253
Trans Name:	OC VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported

SOUTHERN CALIFORNIA EDISON AMERON SUBSTATION (Continued) **S112960284**

Quantity Tons:	12.093
Waste Quantity:	2900
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SOUTHERN CALIFORNIA EDISON AMERON SUBSTATION
Address:	12459 ARROW RTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC002614812
Inactive Date:	09/23/2007
Create Date:	03/26/2007
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 800
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ROSEMEAD, CA 917700800
Owner Name:	SOUTHERN CALIFORNIA EDISON
Owner Address:	PO BOX 800
Owner Address 2:	Not reported
Owner City,State,Zip:	ROSEMEAD, CA 917700800
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	STAN MARSH
Contact Address:	PO BOX 800
Contact Address 2:	Not reported
City,State,Zip:	ROSEMEAD, CA 917700800
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.099069
Longitude:	-117.533789

A46 **TERVITA LLC** **ECHO** **1018071795**
Target **12459-B ARROW ROUTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 46 of 103 in cluster A

Actual:
1140 ft.

ECHO:

Envid:	1018071795
Registry ID:	110056294905
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110056294905
Name:	TERVITA LLC
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739

A47 **PHOENIX SERVICES LLC** **HWTS** **S127608632**
Target **12459 B ARROW ROUTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 47 of 103 in cluster A

Actual:
1140 ft.

HWTS:

Name:	PHOENIX SERVICES LLC
Address:	12459 B ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000436116
Inactive Date:	Not reported
Create Date:	05/15/2018
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 323
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	PHOENIX SERVICES LLC
Owner Address:	4 RADNOR CORPORATE CENTER STE 520
Owner Address 2:	Not reported
Owner City,State,Zip:	RADNOR, PA 19087
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	WENDY HATFIELD
Contact Address:	12459 ARROW RTE
Contact Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.096158
Longitude:	-117.5305095

NAICS:

EPA ID:	CAL000436116
Create Date:	2021-06-22 10:41:32.120
NAICS Code:	327992
NAICS Description:	Ground or Treated Mineral and Earth Manufacturing
Issued EPA ID Date:	2018-05-15 15:23:43.37700
Inactive Date:	Not reported
Facility Name:	PHOENIX SERVICES LLC
Facility Address:	12459 B ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91739

EPA ID:	CAL000436116
Create Date:	2018-05-15 15:23:43.390
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2018-05-15 15:23:43.37700
Inactive Date:	Not reported
Facility Name:	PHOENIX SERVICES LLC
Facility Address:	12459 B ARROW ROUTE

PHOENIX SERVICES LLC (Continued) **S127608632**

Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91739

A48 **FONTANA STEEL** **HAZNET** **S113096478**
Target **12451 ARROW RTE** **HWTS** **N/A**
Property **ETIWANDA, CA 91739**

Site 48 of 103 in cluster A

Actual:
1140 ft.

HAZNET:

Name:	FONTANA STEEL
Address:	12451 ARROW RTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 917390000
Contact:	DAVE L OTEY-SAFETY DIRECTOR
Telephone:	9098999993
Mailing Name:	Not reported
Mailing Address:	PO BOX 2219
Year:	1999
Gepaid:	CAL000181936
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	0.21

Additional Info:

Year:	1999
Gen EPA ID:	CAL000181936
Shipment Date:	19990311
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990318
Manifest ID:	98606052
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

FONTANA STEEL (Continued) **S113096478**

Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: FONTANA STEEL
Address: 12451 ARROW RTE
Address 2: Not reported
City,State,Zip: ETIWANDA, CA 91739
EPA ID: CAL000181936
Inactive Date: 06/30/2002
Create Date: 12/17/1998
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2219
Mailing Address 2: Not reported
Mailing City,State,Zip: RANCHO CUCAMONGA, CA 917292219
Owner Name: FONTANA STEELS ESOP
Owner Address: PO BOX 2219
Owner Address 2: Not reported
Owner City,State,Zip: RANCHO CUCAMONGA, CA 917292219
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: DAVE L OTEY-SAFETY DIRECTOR
Contact Address: PO BOX 2219
Contact Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 917292219
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 34.099071
Longitude: -117.533989

NAICS:
EPA ID: CAL000181936
Create Date: 2002-03-14 16:36:28.000
NAICS Code: 3321
NAICS Description: Forging and Stamping
Issued EPA ID Date: 1998-12-17 00:00:00
Inactive Date: 2002-06-30 00:00:00
Facility Name: FONTANA STEEL
Facility Address: 12451 ARROW RTE
Facility Address 2: Not reported
Facility City: ETIWANDA
Facility County: Not reported
Facility State: CA
Facility Zip: 917390000

A49 **I.W.P.A.D., INC.** **EMI** **S116288026**
Target **12459 ARROW HWY** **N/A**
Property **ETIWANDA, CA 91739**

Site 49 of 103 in cluster A

Actual: **1140 ft.**

EMI:

Name:	I.W.P.A.D., INC.
Address:	12459 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91739
Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	14434
Air District Name:	SC
SIC Code:	3315
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

A50 **AMERON INTERNATIONAL** **CERS** **S112950483**
Target **12455 ARROW RT** **N/A**
Property **ETIWANDA, CA 91739**

Site 50 of 103 in cluster A

Actual: **1140 ft.**

CERS:

Name:	AMERON INTERNATIONAL
Address:	12455 ARROW RT
City,State,Zip:	ETIWANDA, CA 91739
Site ID:	5581
CERS ID:	91739MRNCN12455
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	April Goodrich
Entity Title:	Project Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Parent Company
Entity Name:	Ameron International Corp
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	91739

AMERON INTERNATIONAL (Continued) **S112950483**

Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: April Goodrich
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9516580114,

Affiliation Type Desc: Technical Contact
Entity Name: April Goodrich
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9516580114,

A51 **UNITED SLAG PROCESSING CO** **EMI** **1006826248**
Target **12459 ARROW HWY** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 51 of 103 in cluster A

Actual: **1140 ft.**

EMI:
Name: UNITED SLAG PROCESSING CO
Address: 12459 ARROW HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 1997
County Code: 36
Air Basin: SC
Facility ID: 100547
Air District Name: SC
SIC Code: 3295
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: UNITED SLAG PROCESSING CO
Address: 12459 ARROW HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 1998
County Code: 36
Air Basin: SC
Facility ID: 100547
Air District Name: SC

UNITED SLAG PROCESSING CO (Continued) **1006826248**

SIC Code: 3295
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: UNITED SLAG PROCESSING CO
Address: 12459 ARROW HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 1999
County Code: 36
Air Basin: SC
Facility ID: 100547
Air District Name: SC
SIC Code: 3295
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: UNITED SLAG PROCESSING CO
Address: 12459 ARROW HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2000
County Code: 36
Air Basin: SC
Facility ID: 100547
Air District Name: SC
SIC Code: 3295
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: UNITED SLAG PROCESSING CO
Address: 12459 ARROW HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2001
County Code: 36

UNITED SLAG PROCESSING CO (Continued) **1006826248**

Air Basin:	SC
Facility ID:	100547
Air District Name:	SC
SIC Code:	3295
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3

A52 **AMERON STEEL AND WIRE** **LUST S111760397**
Target **12459 ARROW HWY** **CERS N/A**
Property **ETIWANDA, CA 91769**

Site 52 of 103 in cluster A

Actual:
1140 ft.

LUST:

Name:	AMERON STEEL AND WIRE
Address:	12459 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91769
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100046
Global Id:	T0607100046
Latitude:	34.1007265
Longitude:	-117.5235672
Status:	Completed - Case Closed
Status Date:	12/04/1990
Case Worker:	CR2
RB Case Number:	083600432T
Local Agency:	SAN BERNARDINO COUNTY
File Location:	Local Agency
Local Case Number:	90047
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
EPA Region:	9
Coordinate Source:	* Historical Geocode - Zip Code Match
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	09/25/1989
Leak Reported Date:	10/23/1989
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	12/04/1990
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	65-70%

AMERON STEEL AND WIRE (Continued) **S111760397**

Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: SANTA ANA RWQCB (REGION 8)
Site History: Not reported

LUST:
Global Id: T0607100046
Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: CATHERINE RICHARDS
Organization Name: SAN BERNARDINO COUNTY
Address: 620 SOUTH E STREET
City: SAN BERNARDINO
Email: crichards@sbcfire.org
Phone Number: 9093868419

Global Id: T0607100046
Contact Type: Regional Board Caseworker
Contact Name: MAILE SEEGER GEE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: maile.gee@waterboards.ca.gov
Phone Number: 9517824379

LUST:
Global Id: T0607100046
Action Type: Other
Date: 09/25/1989
Action: Leak Discovery

Global Id: T0607100046
Action Type: Other
Date: 10/23/1989
Action: Leak Reported

Global Id: T0607100046
Action Type: Other
Date: 09/25/1989
Action: Leak Stopped

LUST:
Global Id: T0607100046
Status: Open - Case Begin Date
Status Date: 09/25/1989

Global Id: T0607100046
Status: Open - Site Assessment
Status Date: 11/01/1989

Global Id: T0607100046
Status: Open - Remediation
Status Date: 02/13/1990

Global Id: T0607100046
Status: Completed - Case Closed
Status Date: 12/04/1990

AMERON STEEL AND WIRE (Continued) **S111760397**

CERS:
Name: AMERON STEEL AND WIRE
Address: 12459 ARROW HWY
City,State,Zip: ETIWANDA, CA 91769
Site ID: 633859
CERS ID: T0607100046
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: MAILE SEEGER GEE - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824379,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CATHERINE RICHARDS - SAN BERNARDINO COUNTY
Entity Title: Not reported
Affiliation Address: 620 SOUTH E STREET
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9093868419,

A53 **SOUTHERN CALIFORNIA EDISON** **HWTS** **S124592093**
Target **12459 ARROW RTE** **N/A**
Property **ETIWANDA, CA 91739**

Site 53 of 103 in cluster A

Actual:
1140 ft.

HWTS:
Name: SOUTHERN CALIFORNIA EDISON
Address: 12459 ARROW RTE
Address 2: Not reported
City,State,Zip: ETIWANDA, CA 91739
EPA ID: CAC002614879
Inactive Date: 09/24/2007
Create Date: 03/27/2007
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 2244 S WALNUT GROVE AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: ROSEMEAD, CA 917700000
Owner Name: SOUTHERN CALIFORNIA EDISON
Owner Address: 2244 S WALNUT GROVE AVE
Owner Address 2: Not reported
Owner City,State,Zip: ROSEMEAD, CA 917700000
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: STAN MARSH/TECH SPECIALIST
Contact Address: 2244 S WALNUT GROVE AVE
Contact Address 2: Not reported

SOUTHERN CALIFORNIA EDISON (Continued) **S124592093**

City,State,Zip:	ROSEMEAD, CA 917700000
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.099069
Longitude:	-117.533789

A54 **TI WIRE** **LUST** **S109035898**
Target **12459 ARROW ROUTE** **AST** **N/A**
Property **RANCHO CUCAMONGA, CA 91739** **CHMIRS**
NPDES
Site 54 of 103 in cluster A **San Bern. Co. Permit**
CIWQS
Actual: **CERS**
1140 ft.

LUST:

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100309
Global Id:	T0607100309
Latitude:	34.1007265
Longitude:	-117.5235672
Status:	Completed - Case Closed
Status Date:	05/11/1994
Case Worker:	Not reported
RB Case Number:	083602379T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	93063
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Zip Code Match
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	11/04/1993
Leak Reported Date:	11/19/1993
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	05/11/1994
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	65-70%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

TI WIRE (Continued) **S109035898**

LUST:
Global Id: T0607100309
Contact Type: Regional Board Caseworker
Contact Name: MAILE SEEGER GEE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: maile.gee@waterboards.ca.gov
Phone Number: 9517824379

LUST:
Global Id: T0607100309
Action Type: Other
Date: 11/04/1993
Action: Leak Discovery

Global Id: T0607100309
Action Type: Other
Date: 11/19/1993
Action: Leak Reported

Global Id: T0607100309
Action Type: ENFORCEMENT
Date: 05/11/1994
Action: Closure/No Further Action Letter

Global Id: T0607100309
Action Type: Other
Date: 11/04/1993
Action: Leak Stopped

LUST:
Global Id: T0607100309
Status: Open - Case Begin Date
Status Date: 11/04/1993

Global Id: T0607100309
Status: Completed - Case Closed
Status Date: 05/11/1994

AST:
Name: TERVITA LLC
Address: 12459 ARROW RTE
City/Zip: RANCHO CUCAMONGA,91739
Certified Unified Program Agencies: Not reported
Owner: TERVITA
Total Gallons: Not reported
CERSID: 10313566
Facility ID: FA0014680
Business Name: TERVITA LLC
Phone: (951) 287-8854
Fax: Not reported
Mailing Address: 12459 ARROW ROUTE
Mailing Address City: RANCHO CUCAMONGA

TI WIRE (Continued) **S109035898**

Mailing Address State:	CA
Mailing Address Zip Code:	91739
Operator Name:	TERVITA LLC
Operator Phone:	(951) 287-8854
Owner Phone:	(909)899-7504
Owner Mail Address:	500-140 10th Ave SE AB
Owner State:	AB
Owner Zip Code:	Not reported
Owner Country:	Canada
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CA1000385141

CHMIRS:

Name:	Not reported
Address:	12459 ARROW HIGHWAY
City,State,Zip:	RANCHO CUCAMONGA, CA 91761
OES Incident Number:	7-1917
OES notification:	03/26/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported

TI WIRE (Continued) **S109035898**

Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Tamco
Incident Date:	3/26/2007 12:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Radioactive object
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	03/26/07 at 1330 hours, truck pulled up to the Tamco Scrap metal facility and when Tamco did a radiological reading it caused an alarm. Measured at 3050cps.

NPDES:

Name:	TI WIRE
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I003788
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported

TI WIRE (Continued) **S109035898**

Discharge Zip:	Not reported
Status:	Active
Status Date:	04/03/1992
Operator Name:	Tree Island Wire USA Inc
Operator Address:	5080 Hallmark Pkwy
Operator City:	San Bernardino
Operator State:	California
Operator Zip:	92407

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213169
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I003788
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/03/1992
Status:	Active
Status Date:	04/03/1992
Place Size:	17
Place Size Unit:	Acres
Contact:	Eric Jensen
Contact Title:	EHS Compliance Manager
Contact Phone:	909-590-0123
Contact Phone Ext:	Not reported
Contact Email:	ejensen@treeisland.com
Operator Name:	TI Wire USA
Operator Address:	3880 W Valley Blvd
Operator City:	Walnut
Operator State:	California
Operator Zip:	91789
Operator Contact:	Krish Singh
Operator Contact Title:	Operations Manager
Operator Contact Phone:	909-899-1673
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ksingh@treeisland.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported

TI WIRE (Continued) **S109035898**

Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-899-1673
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Day Creek Santa Ana River
Certifier:	Eric Jensen
Certifier Title:	Environmental Health and Safety Compliance Manager
Certification Date:	20-APR-15
Primary Sic:	3315-Steel Wiredrawing and Steel Nails and Spikes
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213169
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I003788
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tree Island Wire USA Inc
Discharge Address:	5080 Hallmark Pkwy
Discharge City:	San Bernardino
Discharge State:	California
Discharge Zip:	92407
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported

TI WIRE (Continued) **S109035898**

Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	TI WIRE
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	213169
Place ID:	Not reported

TI WIRE (Continued) **S109035898**

Order Number:	97-03-DWQ
WDID:	8 36I003788
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	5080 Hallmark Pkwy
Discharge Name:	Tree Island Wire USA Inc
Discharge City:	San Bernardino
Discharge State:	California
Discharge Zip:	92407
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213169
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I003788
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/03/1992
Status:	Active
Status Date:	04/03/1992
Place Size:	17
Place Size Unit:	Acres
Contact:	Eric Jensen
Contact Title:	EHS Compliance Manager
Contact Phone:	909-590-0123
Contact Phone Ext:	Not reported
Contact Email:	ejensen@treeisland.com
Operator Name:	TI Wire USA
Operator Address:	3880 W Valley Blvd
Operator City:	Walnut
Operator State:	California
Operator Zip:	91789
Operator Contact:	Krish Singh

TI WIRE (Continued) **S109035898**

Operator Contact Title:	Operations Manager
Operator Contact Phone:	909-899-1673
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ksingh@treeisland.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-899-1673
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Day Creek Santa Ana River
Certifier:	Eric Jensen
Certifier Title:	Environmental Health and Safety Compliance Manager
Certification Date:	20-APR-15
Primary Sic:	3315-Steel Wiredrawing and Steel Nails and Spikes
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213169
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I003788
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tree Island Wire USA Inc
Discharge Address:	5080 Hallmark Pkwy
Discharge City:	San Bernardino

TI WIRE (Continued) **S109035898**

Discharge State:	California
Discharge Zip:	92407
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported

TI WIRE (Continued) **S109035898**

Tertiary Sic: Not reported

San Bern. Co. Permit:
Name: TERVITA LLC
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0014680
Owner: TERVITA
Permit Number: PT0034952
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 08/31/2019

Name: TERVITA LLC
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0014680
Owner: TERVITA
Permit Number: PT0025616
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 08/31/2019

Name: TERVITA LLC
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0014680
Owner: TERVITA
Permit Number: PT0025617
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 08/31/2018

CIWQS:
Name: TI WIRE
Address: 12459 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Agency: Tree Island Wire USA Inc
Agency Address: 5080 Hallmark Pkwy, San Bernardino, CA 92407
Place/Project Type: Industrial - Steel Wiredrawing and Steel Nails and Spikes
SIC/NAICS: 3315
Region: 8
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 8 36I003788
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 04/03/1992
Termination Date: Not reported
Expiration/Review Date: Not reported

TI WIRE (Continued) **S109035898**

Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.09905
Longitude: -117.53397

CERS:
Name: TI WIRE
Address: 12459 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 544444
CERS ID: 233054
CERS Description: Industrial Facility Storm Water

Evaluation:
Eval General Type: Case Development Inspection
Eval Date: 06-26-2013
Violations Found: No
Eval Type: Industrial Storm Water Enforcement Follow-up
Eval Notes: See attachments for inspection report.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Case Development Inspection
Eval Date: 05-19-2009
Violations Found: No
Eval Type: Industrial Storm Water Enforcement Follow-up
Eval Notes: Meeting of four companies to address pollutant loads issues. Staff met with four companies to address the undersized stormwater treatment system on Tamco's property, due to the high stormwater run-offs draining towards it from the adjacent properties to the north, north-east, and eastern borders. At least two representatives from each company are present at the meeting to discuss Tamco's treatment system expansion, or each company will establish its own treatment system its property stormwater run-off. Stormwater samples analysis report from annual reports submitted to the Board by the four companies for 2004-2005 to 2007-2008 were presented by RB staff for discussion. Based on the analytical results, each company confirmed the need for corrective action and and acknowledged that the issues will be dealt with swifty.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2009
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff arrived at 1300: At the request of Mr. Peter Maitland, the technical services manager engineer from main headquarter in Canada (pmaitland@treeisland.com), staff visited the site to discuss options in retrofitting new structural BMPs for the site. With him is Harold Manifold, the director of operations from HQ

TI WIRE (Continued) **S109035898**

(hmanifold@treeisland.com), and the various colleges from the past meetings during the four companies gathering to discuss about the Tamco's undersized treatment systems for all four companies. Tree Island had contacted various consultants and engineers to pre-calculate the required structural upgrades, as well as the treatment systems' options for retrofitting, in order to meet the EPA multi-sector benchmarks for their exceeding stormwater samples parameters. In addition, Tree Island also would like to prevent any discharge of stormwater run-off, treated or untreated, onto Tamco's property, located south and southwest of its property. Tree Island's preliminary conclusion is to perform an aerial and land survey of its property, including property borders assessment, a possibility of a structural trench line for diverting all stormwater run-offs to the eastern culvert/ditch, which ultimately discharges directly to the energy company about 2000 feet downstream, by-passing Tamco s treatment systems completely. Due to the economy, Tree Island is unable to perform drastic structural modification. However, the company is doing everything it could within its meager budget for stormwater improvement project without causing the company to file for bankruptcy. The company will provide Board staff with updates within a month or two. Awaiting updates from company.

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Tree Island Wire USA Inc
Entity Title: Operator
Affiliation Address: 5080 Hallmark Pkwy
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92407
Affiliation Phone: ,

Name: TAMCO
Address: 12459 ARROW HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 688977
CERS ID: T0607100309
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: MAILE SEEGER GEE - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824379,

A55 **TREE ISLAND WIRE** **FINDS** **1024415160**
Target **12459 ARROW HWY** **N/A**
Property **RANCHO CUCAMONGA, CA 91730**

Site 55 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110070332453

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A56 **AMERION STEEL & WIRE DIVISION** **SWEEPS UST** **U001569532**
Target **12459 ARROW HWY** **HIST UST** **N/A**
Property **ETIWANDA, CA 91739**

Site 56 of 103 in cluster A

Actual:
1140 ft.

SWEEPS UST:

Name:	AMERION STEEL & WIRE DIVISION
Address:	12459 ARROW HWY
City:	ETIWANDA
Status:	Active
Comp Number:	18067
Number:	9
Board Of Equalization:	Not reported
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	36-000-018067-000001
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	1

HIST UST:

Name:	AMERION STEEL & WIRE DIVISION
Address:	12459 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91739
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000018067
Facility Type:	Other
Other Type:	STEEL MILL
Contact Name:	G.A. HANKE
Telephone:	7148991723

AMERION STEEL & WIRE DIVISION (Continued) **U001569532**

Owner Name:	AMERON
Owner Address:	4700 RAMONA BLVD.
Owner City,St,Zip:	MONTEREY PARK, CA 91754
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1976
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	0.187
Leak Detection:	None

A57 **CHMIRS** **S108404381**
Target Property **12459 ARROW ROUTE, SUITE B**
RANCHO CUCAMONGA, CA **N/A**

Site 57 of 103 in cluster A

Actual: 1140 ft.

CHMIRS:

Name:	Not reported
Address:	12459 ARROW ROUTE, SUITE B
City,State,Zip:	RANCHO CUCAMONGA, CA
OES Incident Number:	5-4447
OES notification:	07/27/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported

(Continued) **S108404381**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Tamco
Incident Date:	7/27/200512:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Other
E Date:	Not reported
Substance:	N/A
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A truck loaded with scrap metal had a radioactive reading of 20 millirims per hour. The load was possibly from Advanced Steel.

A58 **CHMIRS** **S109461031**
Target Property **12459 ARROW ROUTE**
RANCHO CUCAMONGA, CA 91739 **N/A**

Site 58 of 103 in cluster A

Actual: 1140 ft.

CHMIRS:

Name:	Not reported
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
OES Incident Number:	08-6107
OES notification:	08/21/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S109461031**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1214
Year:	2008
Agency:	Tim Rancho Cucamonga FD
Incident Date:	8/21/2008
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	.5% Iron Sulfate
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Operator error loading a tanker truck was the cause of this release. The release was contained on site. FD incident number0807598

A59 Target Property | **CMC STEEL FABRICATORS-DBA CMC REBAR**
12451 ARROW ROUTE
ETIWANDA, CA 91739

HAZNET **S113796381**
HWTS **N/A**

Site 59 of 103 in cluster A

Actual: 1140 ft.

HAZNET:

Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Address:	12451 ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 917390000
Contact:	ALBERTO D. MENDOZA
Telephone:	9096467822
Mailing Name:	Not reported
Mailing Address:	PO BOX 911
Year:	2021
Gepaid:	CAL000120760
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.25
Year:	2021
Gepaid:	CAL000120760
TSD EPA ID:	CAD982444481
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.66889
Year:	2021
Gepaid:	CAL000120760
TSD EPA ID:	CAD982444481
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.375
Year:	2021
Gepaid:	CAL000120760
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Year:	2020
Gepaid:	CAL000120760
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Year:	2020
Gepaid:	CAL000120760
TSD EPA ID:	CAD982444481

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.75

Year: 2019
Gepaid: CAL000120760
TSD EPA ID: CAD982444481
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.30000

Year: 2019
Gepaid: CAL000120760
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.55000

Year: 2019
Gepaid: CAL000120760
TSD EPA ID: CAD982444481
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00000

Year: 2017
Gepaid: CAL000120760
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1

Click this hyperlink while viewing on your computer to access
29 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2021
Gen EPA ID: CAL000120760

Shipment Date: 5/28/2020
Creation Date: 6/23/2020
Receipt Date: 5/29/2020
Manifest ID: 021579961JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/28/2020
Creation Date:	6/23/2020
Receipt Date:	5/29/2020
Manifest ID:	021579961JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000120760
Shipment Date:	5/28/2020
Creation Date:	6/23/2020
Receipt Date:	5/29/2020
Manifest ID:	021579961JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	5/28/2020
Creation Date:	6/23/2020
Receipt Date:	5/29/2020
Manifest ID:	021579961JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000120760
Shipment Date:	20171016
Creation Date:	6/20/2018 18:31:19
Receipt Date:	20171018
Manifest ID:	017179403JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171016
Creation Date:	6/20/2018 18:31:19
Receipt Date:	20171018
Manifest ID:	017179403JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	8/1/2018 18:30:18
Receipt Date:	20170824
Manifest ID:	017179097JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

Shipment Date:	20170821
Creation Date:	8/1/2018 18:30:18
Receipt Date:	20170824
Manifest ID:	017179097JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000120760

Shipment Date:	20150814
Creation Date:	10/5/2015 22:15:16
Receipt Date:	20150814
Manifest ID:	014580089JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

Gen EPA ID:	CAL000120760
Shipment Date:	20150814
Creation Date:	10/5/2015 22:15:16
Receipt Date:	20150814
Manifest ID:	014580089JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000120760
Shipment Date:	20140813
Creation Date:	10/31/2014 22:14:44
Receipt Date:	20140813
Manifest ID:	012409714JJK
Trans EPA ID:	CAL000280876
Trans Name:	ACTION WASTE OIL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.71
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

Additional Info:

Year:	2013
Gen EPA ID:	CAL000120760
Shipment Date:	20130920
Creation Date:	11/7/2013 22:15:14
Receipt Date:	20130925
Manifest ID:	011679592JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000120760
Shipment Date:	20121005
Creation Date:	12/20/2012 22:15:24
Receipt Date:	20121008
Manifest ID:	010615077JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

Additional Code 5:	Not reported
Shipment Date:	20120831
Creation Date:	10/31/2012 22:15:23
Receipt Date:	20120831
Manifest ID:	010388118JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000120760
Shipment Date:	20110421
Creation Date:	6/16/2011 18:30:20
Receipt Date:	20110422
Manifest ID:	008408894JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

HWTS:

Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Address:	12451 ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAL000120760
Inactive Date:	Not reported
Create Date:	10/20/1994
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 911
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SEGUIN, TX 78155
Owner Name:	COMMERCIAL METAL COMPANY
Owner Address:	PO BOX 911
Owner Address 2:	Not reported
Owner City,State,Zip:	SEGUIN, TX 78156
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	ALBERTO D. MENDOZA
Contact Address:	PO BOX 911
Contact Address 2:	Not reported
City,State,Zip:	SEGUIN, TX 78156
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.099095
Longitude:	-117.534022

NAICS:

EPA ID:	CAL000120760
Create Date:	2013-10-15 15:45:40.993
NAICS Code:	332114
NAICS Description:	Custom Roll Forming
Issued EPA ID Date:	1994-10-20 00:00:00
Inactive Date:	Not reported
Facility Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Facility Address:	12451 ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000

EPA ID:	CAL000120760
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	332312
NAICS Description:	Fabricated Structural Metal Manufacturing
Issued EPA ID Date:	1994-10-20 00:00:00
Inactive Date:	Not reported
Facility Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Facility Address:	12451 ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **S113796381**

Facility State:	CA
Facility Zip:	917390000
EPA ID:	CAL000120760
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	332321
NAICS Description:	Metal Window and Door Manufacturing
Issued EPA ID Date:	1994-10-20 00:00:00
Inactive Date:	Not reported
Facility Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Facility Address:	12451 ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000
EPA ID:	CAL000120760
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	332321
NAICS Description:	Metal Window and Door Manufacturing
Issued EPA ID Date:	1994-10-20 00:00:00
Inactive Date:	Not reported
Facility Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Facility Address:	12451 ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000
EPA ID:	CAL000120760
Create Date:	2011-04-05 10:18:11.997
NAICS Code:	332323
NAICS Description:	Ornamental and Architectural Metal Work Manufacturing
Issued EPA ID Date:	1994-10-20 00:00:00
Inactive Date:	Not reported
Facility Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Facility Address:	12451 ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000

A60 **CMC REBAR ETIWANDA** **UST** **U004320252**
Target **12451 ARROW RTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 60 of 103 in cluster A

Actual:
1140 ft.

UST:

Name:	CMC REBAR ETIWANDA
Address:	12451 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	FA0003266
Permitting Agency:	San Bernardino County Fire Department

CMC REBAR ETIWANDA (Continued) **U004320252**

CERSID:	10039324
Latitude:	34.0979500
Longitude:	-117.534157
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	1
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	Fontana Steel Inc.
Tank owner mailing address:	P.O. Box 2219
Tank owner mailing city:	Rancho Cucamonga
Tank owner mailing zip:	91729-9172
Tank owner mailing state:	CA
Tank operator name:	Fontana Steel Inc.
Tank operator mailing address:	P.O. Box 2219
Tank operator mailing city:	Rancho Cucamonga
Tank operator mailing zip:	91729-9172
Tank operator mailing state:	CA
Tankidnumber:	1
Tank status:	UST Removal
Tank configuration:	Stand Alone Tank
Tank closure date:	8/14/2014 12:00:00 AM
Tank installation date:	6/1/1989 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Diesel
Tank capacity gallons:	12000
Tank type:	Double Wall
Tank pc construction:	Unknown
Tank pwpiping construction:	Not reported
Tank piping type:	Conventional Suction
Tank piping construction:	Other
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	No
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	No

A61 **TAMCO INCORPORATED** **ICIS 1010374011**
Target **12459 ARROW HIGHWAY** **FINDS N/A**
Property **RANCHO CUCAMONGA, CA 91739** **ECHO**

Site 61 of 103 in cluster A

Actual:
1140 ft.

ICIS:

Enforcement Action ID:	HQ-2001-6025
FRS ID:	110000477788
Action Name:	TAMCO
Facility Name:	TAMCO INCORPORATED
Facility Address:	12459 ARROW HIGHWAY RANCHO CUCAMONGA, CA 917390325
Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	SAN BERNARDINO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	3008A

TAMCO INCORPORATED (Continued) **1010374011**

Facility SIC Code:	3312
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.09905
Longitude in Decimal Degrees:	-117.533804
Permit Type Desc:	Not reported
Program System Acronym:	4647
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

FINDS:
Registry ID: 110000477788

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.
California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The database that supports the Toxic Substances Control Act (TSCA) of 1976, which provides EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon and lead-based paint.
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.

TAMCO INCORPORATED (Continued) **1010374011**

THE ELECTRONIC GREENHOUSE GAS REPORTING TOOL (E-GGRT) IS ACCESSIBLE THROUGH AN EPA WEB PAGE AND USED TO SUBMIT ANNUAL REPORTS IN SUPPORT OF THE EPA RULE FOR MANDATORY REPORTING OF GREENHOUSE GASES (GHG) FROM LARGE GHG EMISSIONS SOURCES. IMPLEMENTATION OF 40 CFR PART 98 IS REFERRED TO AS THE GREENHOUSE GAS REPORTING PROGRAM (GHGRP). THIS COMPREHENSIVE, NATIONWIDE EMISSIONS DATA WILL PROVIDE A BETTER UNDERSTANDING OF THE SOURCES OF GHGS AND WILL GUIDE DEVELOPMENT OF THE POLICIES AND PROGRAMS TO REDUCE EMISSIONS. THE PUBLICALLY AVAILABLE DATA WILL ALLOW REPORTERS TO TRACK THEIR OWN EMISSIONS, COMPARE THEM TO SIMILAR FACILITIES, AND AID IN IDENTIFYING COST EFFECTIVE OPPORTUNITIES TO REDUCE EMISSIONS IN THE FUTURE.
The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1010374011
Registry ID:	110000477788
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000477788
Name:	TAMCO
Address:	12459 ARROW HIGHWAY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739

A62 **PHOENIX SERVICES LLC** **HWTS** **S124664772**
Target **12459 ARROW ROUTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 62 of 103 in cluster A

Actual:
1140 ft.

HWTS:

Name:	PHOENIX SERVICES LLC
Address:	12459 ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC002944856
Inactive Date:	04/21/2018
Create Date:	01/19/2018

PHOENIX SERVICES LLC (Continued) **S124664772**

Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	12459 ARROW ROUTE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	PHOENIX SERVICES LLC
Owner Address:	12459 ARROW ROUTE
Owner Address 2:	Not reported
Owner City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	GREG DIAZ
Contact Address:	12459 ARROW ROUTE
Contact Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.098958
Longitude:	-117.53284

NAICS:

EPA ID:	CAC002944856
Create Date:	2018-01-19 11:33:54.060
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2018-01-19 11:33:54.06000
Inactive Date:	2018-04-21 03:00:31.11300
Facility Name:	PHOENIX SERVICES LLC
Facility Address:	12459 ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91739

A63 **TAMCO** **EMI** **S116288201**
Target **12459 ARROW HWY.** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 63 of 103 in cluster A

Actual:
1140 ft.

EMI:

Name:	TAMCO
Address:	12459 ARROW HWY.
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2002
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3325
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

TAMCO (Continued) **S116288201**

Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	505
NOX - Oxides of Nitrogen Tons/Yr:	118
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	90
Part. Matter 10 Micrometers and Smllr Tons/Yr:	76

Name:	TAMCO
Address:	12459 ARROW HWY.
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2003
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3325
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	505
NOX - Oxides of Nitrogen Tons/Yr:	118
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	90
Part. Matter 10 Micrometers and Smllr Tons/Yr:	76

Name:	TAMCO
Address:	12459 ARROW HWY.
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2004
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3325
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.41086
Reactive Organic Gases Tons/Yr:	3.85
Carbon Monoxide Emissions Tons/Yr:	505.1491
NOX - Oxides of Nitrogen Tons/Yr:	118.43866
SOX - Oxides of Sulphur Tons/Yr:	0.43159
Particulate Matter Tons/Yr:	90.44598
Part. Matter 10 Micrometers and Smllr Tons/Yr:	75.65

Name:	TAMCO
Address:	12459 ARROW HWY.
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2005
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3325

TAMCO (Continued) **S116288201**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.65825
Reactive Organic Gases Tons/Yr:	2.10881226
Carbon Monoxide Emissions Tons/Yr:	501.561
NOX - Oxides of Nitrogen Tons/Yr:	118.3234
SOX - Oxides of Sulphur Tons/Yr:	.42519
Particulate Matter Tons/Yr:	91.084055
Part. Matter 10 Micrometers and Smllr Tons/Yr:	76.34156807

A64 **CHMIRS** **S100279478**
Target Property **12459 ARROW HWY** **N/A**
EDIWANDA, CA

Site 64 of 103 in cluster A

Actual: 1140 ft.

CHMIRS:

Name:	Not reported
Address:	12459 ARROW HWY
City,State,Zip:	EDIWANDA, CA
OES Incident Number:	910127
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**17-FEB-89**
Property Use:	600
Agency Id Number:	36709
Agency Incident Number:	41-021789
Time Notified:	1620
Time Completed:	1720
Surrounding Area:	600
Estimated Temperature:	85
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	1
Others Number Of Injuries:	1
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	RONALD A. RIPLEY REHS
Report Date:	15-MAR-89
Facility Telephone:	714 387-3044
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported

(Continued) **S100279478**

Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	17-FEB-89
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	03-MAY-90
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Not reported

A65 **CMC STEEL FABRICATORS-DBA CMC REBAR** **FINDS** **1024661627**
Target **12451 ARROW ROUTE** **ECHO** **N/A**
Property **ETIWANDA, CA 91739**

Site 65 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110070450021

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024661627
Registry ID:	110070450021
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070450021
Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Address:	12451 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739

A66 **PHOENIX SERVICES LLC** **RCRA NonGen / NLR** **1024867521**
Target **12459 B ARROW ROUTE** **CAL000436116**
Property **RANCHO CUCAMONGA, CA 91739**

Site 66 of 103 in cluster A

Actual:
1140 ft.

RCRA Listings:

Date Form Received by Agency:	20210622
Handler Name:	Phoenix Services Llc
Handler Address:	12459 B ARROW ROUTE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000436116
Contact Name:	WENDY HATFIELD
Contact Address:	PO BOX 323
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	909-259-5436
Contact Fax:	909-899-4806
Contact Email:	WENDY.HATFIELD@PHOENIX-SERVICES.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 323
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Phoenix Services Llc
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

PHOENIX SERVICES LLC (Continued) **1024867521**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210622
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GREG DIAZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12459 ARROW ROUTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-259-5437
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: PHOENIX SERVICES LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4 RADNOR CORPORATE CENTER STE 520
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	610-347-0444
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	909-899-4806
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: METAL SERVICES LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	148 W STATE ST
Owner/Operator City,State,Zip:	KENNETT SQUARE, PA 19348
Owner/Operator Telephone:	610-347-0444
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180515

PHOENIX SERVICES LLC (Continued) **1024867521**

Handler Name: PHOENIX SERVICES LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20210622
Handler Name: PHOENIX SERVICES LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A67 **AMERON CONCRETE & STEEL PIPE SYS, SO DIV** **EMI** **S105936449**
Target **12455 ARROW RTE** **N/A**
Property **ETIWANDA, CA 91739**

Site 67 of 103 in cluster A

Actual: **1140 ft.**

EMI:
Name: AMERON CONCRETE PIPE GROUP SO
Address: 12455 ARROW ROUTE
City,State,Zip: ETIWANDA, CA
Year: 1990
County Code: 36
Air Basin: SC
Facility ID: 15506
Air District Name: SC
SIC Code: 3272
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 16

AMERON CONCRETE & STEEL PIPE SYS, SO DIV (Continued) **S105936449**

Reactive Organic Gases Tons/Yr:	14
Carbon Monoxide Emissions Tons/Yr:	26
NOX - Oxides of Nitrogen Tons/Yr:	29
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	28
Part. Matter 10 Micrometers and Smllr Tons/Yr:	24

Name:	AMERON CONCRETE & STEEL PIPE S
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	1993
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	35
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	12
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	37
Part. Matter 10 Micrometers and Smllr Tons/Yr:	32

Name:	AMERON CONCRETE & STEEL PIPE S
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	1995
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	35
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	12
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	37
Part. Matter 10 Micrometers and Smllr Tons/Yr:	32

Name:	AMERON CONCRETE & STEEL PIPE S
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	1996
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD

AMERON CONCRETE & STEEL PIPE SYS, SO DIV (Continued) **S105936449**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	35
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	54
Part. Matter 10 Micrometers and Smllr Tons/Yr:	48

Name:	AMERON CONCRETE & STEEL PIPE S
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	1997
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	34
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	AMERON CONCRETE & STEEL PIPE S
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	1998
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	32
Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	AMERON CONCRETE & STEEL PIPE S
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	1999
County Code:	36
Air Basin:	SC
Facility ID:	15506

AMERON CONCRETE & STEEL PIPE SYS, SO DIV (Continued) **S105936449**

Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	34
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	AMERON CONCRETE & STEEL PIPE S
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	2000
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	34
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	AMERON CONCRETE & STEEL PIPE SYS. SO DIV
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	2001
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	12

Name:	AMERON CONCRETE & STEEL PIPE SYS, SO DIV
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	2002

AMERON CONCRETE & STEEL PIPE SYS, SO DIV (Continued) **S105936449**

County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	7
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	10
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8

Name:	AMERON CONCRETE & STEEL PIPE SYS, SO DIV
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	2003
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	7
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	10
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8

Name:	AMERON CONCRETE & STEEL PIPE SYS, SO DIV
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	2004
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.100234
Reactive Organic Gases Tons/Yr:	5.25
Carbon Monoxide Emissions Tons/Yr:	6.77638
NOX - Oxides of Nitrogen Tons/Yr:	2.4641
SOX - Oxides of Sulphur Tons/Yr:	0.045074
Particulate Matter Tons/Yr:	9.67928
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8.19

Name:	AMERON CONCRETE & STEEL PIPE SYS, SO DIV

AMERON CONCRETE & STEEL PIPE SYS, SO DIV (Continued) **S105936449**

Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	2005
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.314645
Reactive Organic Gases Tons/Yr:	1.8973714305
Carbon Monoxide Emissions Tons/Yr:	4.93555
NOX - Oxides of Nitrogen Tons/Yr:	2.6045
SOX - Oxides of Sulphur Tons/Yr:	.023265
Particulate Matter Tons/Yr:	6.06389
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.97028126

Name:	AMERON CONCRETE & STEEL PIPE SYS, SO DIV
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2006
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.249702607107229564
Reactive Organic Gases Tons/Yr:	1.235
Carbon Monoxide Emissions Tons/Yr:	2.479
NOX - Oxides of Nitrogen Tons/Yr:	1.653
SOX - Oxides of Sulphur Tons/Yr:	.012
Particulate Matter Tons/Yr:	3.363
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.92978

Name:	AMERON CONCRETE & STEEL PIPE SYS, SO DIV
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA
Year:	2007
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.177033171740911402
Reactive Organic Gases Tons/Yr:	1.235
Carbon Monoxide Emissions Tons/Yr:	2.479
NOX - Oxides of Nitrogen Tons/Yr:	1.653
SOX - Oxides of Sulphur Tons/Yr:	.012
Particulate Matter Tons/Yr:	3.363

AMERON CONCRETE & STEEL PIPE SYS, SO DIV (Continued) **S105936449**

Part. Matter 10 Micrometers and Smllr Tons/Yr:2.930368

Name:	AMERON CONCRETE & STEEL PIPE SYS, SO DIV
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2008
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.004325072387368239
Reactive Organic Gases Tons/Yr:	5.459888716
Carbon Monoxide Emissions Tons/Yr:	10.5006475
NOX - Oxides of Nitrogen Tons/Yr:	2.24259
SOX - Oxides of Sulphur Tons/Yr:	.02848725
Particulate Matter Tons/Yr:	4.2824578
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.717032384

Name:	AMERON CONCRETE & STEEL PIPE S
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2009
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.1009847417213701
Reactive Organic Gases Tons/Yr:	5.4780030000000002
Carbon Monoxide Emissions Tons/Yr:	9.0704779999999996
NOX - Oxides of Nitrogen Tons/Yr:	1.5019100000000001
SOX - Oxides of Sulphur Tons/Yr:	2.4438000000000001E-2
Particulate Matter Tons/Yr:	3.6357210000000002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.1473636960000002

Name:	AMERON CONCRETE & STEEL PIPE S
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2010
County Code:	36
Air Basin:	SC
Facility ID:	15506
Air District Name:	SC
SIC Code:	3272
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.3419216244359502
Reactive Organic Gases Tons/Yr:	3.8784100000000001
Carbon Monoxide Emissions Tons/Yr:	9.1699999999999999

AMERON CONCRETE & STEEL PIPE SYS, SO DIV (Continued) **S105936449**

NOX - Oxides of Nitrogen Tons/Yr: 1.61958
SOX - Oxides of Sulphur Tons/Yr: 2.6290000000000001E-2
Particulate Matter Tons/Yr: 3.8997700000000002
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3.3762807800000001

Name: AMERON CONCRETE & STEEL PIPE S
Address: 12455 ARROW RTE
City,State,Zip: ETIWANDA, CA 91739
Year: 2011
County Code: 36
Air Basin: SC
Facility ID: 15506
Air District Name: SC
SIC Code: 3272
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.0147978467
Reactive Organic Gases Tons/Yr: 1.94501825
Carbon Monoxide Emissions Tons/Yr: 0.4486
NOX - Oxides of Nitrogen Tons/Yr: 0.51689
SOX - Oxides of Sulphur Tons/Yr: 0.00737
Particulate Matter Tons/Yr: 3.01462
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2.60017812

Name: AMERON CONCRETE & STEEL PIPE SYS, SO DIV
Address: 12455 ARROW RTE
City,State,Zip: ETIWANDA, CA 91739
Year: 2012
County Code: 36
Air Basin: SC
Facility ID: 15506
Air District Name: SC
SIC Code: 3272
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.6656098464
Reactive Organic Gases Tons/Yr: 2.5609
Carbon Monoxide Emissions Tons/Yr: 0.79253
NOX - Oxides of Nitrogen Tons/Yr: 1.15694
SOX - Oxides of Sulphur Tons/Yr: 0.00403
Particulate Matter Tons/Yr: 2.7542
Part. Matter 10 Micrometers and Smllr Tons/Yr: 2.38394386

Name: AMERON CONCRETE & STEEL PIPE SYS, SO DIV
Address: 12455 ARROW RTE
City,State,Zip: ETIWANDA, CA 91739
Year: 2013
County Code: 36
Air Basin: SC
Facility ID: 15506
Air District Name: SC
SIC Code: 3272
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

AMERON CONCRETE & STEEL PIPE SYS, SO DIV (Continued) **S105936449**

Total Organic Hydrocarbon Gases Tons/Yr:	1.7140320708
Reactive Organic Gases Tons/Yr:	1.68216
Carbon Monoxide Emissions Tons/Yr:	0.2562
NOX - Oxides of Nitrogen Tons/Yr:	0.305
SOX - Oxides of Sulphur Tons/Yr:	0.00183
Particulate Matter Tons/Yr:	3.15102
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.6942026

A68 **CMC CALIFORNIA STEEL BAGHOUSE** **NPDES S123302265**
Target **12459 ARROW ROUTE** **CIWQS N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 68 of 103 in cluster A

Actual:
1140 ft.

NPDES:

Name:	CMC CALIFORNIA STEEL BAGHOUSE
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36C379988
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	07/01/2019
Operator Name:	Tamco
Operator Address:	PO Box 325
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	486346
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	8 36C379988
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported

CMC CALIFORNIA STEEL BAGHOUSE (Continued) **S123302265**

Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/16/2017
Processed Date:	05/30/2017
Status:	Active
Status Date:	05/30/2017
Place Size:	.2
Place Size Unit:	Acres
Contact:	Mark Olson
Contact Title:	VPGM
Contact Phone:	909-646-7883
Contact Phone Ext:	Not reported
Contact Email:	mark.olson@gerdau.com
Operator Name:	Tamco
Operator Address:	PO Box 325
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Mark Olson
Operator Contact Title:	VPGM
Operator Contact Phone:	909-646-7883
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mark.olson@gerdau.com
Operator Type:	Private Business
Developer:	Tamco
Developer Address:	PO Box 325
Developer City:	Rancho Cucamonga
Developer State:	California
Developer Zip:	91739
Developer Contact:	Mark Olson
Developer Contact Title:	VPGM
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Facility Improvements
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported

CMC CALIFORNIA STEEL BAGHOUSE (Continued) **S123302265**

Certifier:	Jesse White
Certifier Title:	Environmental Manager
Certification Date:	16-MAY-17
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	486346
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36C379988
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/30/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tamco
Discharge Address:	PO Box 325
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported

CMC CALIFORNIA STEEL BAGHOUSE (Continued) **S123302265**

Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	CMC CALIFORNIA STEEL BAGHOUSE
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Tamco
Agency Address:	PO Box 325, Rancho Cucamonga, CA 91739
Place/Project Type:	Construction - Other: Facility Improvements
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C379988
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	05/30/2017
Termination Date:	06/07/2019
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.094524
Longitude:	-117.532444

A69 **TERVITA LLC** **EMI** **S118494387**
Target **12459-B ARROW ROUTE** **CERS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 69 of 103 in cluster A

Actual:
1140 ft.

EMI:

Name:	TERVITA LLC
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2014
County Code:	36
Air Basin:	SC
Facility ID:	172593
Air District Name:	SC
SIC Code:	3295
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.4388185654e-005
Reactive Organic Gases Tons/Yr:	8e-005
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.01912
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0183552

CERS:

Name:	TERVITA LLC
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	498180
CERS ID:	110056294905
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Carson Swartz
Entity Title:	Not reported
Affiliation Address:	12549 ARROW ROUTE
Affiliation City:	RANCHOCUCAMONGA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	HOWELL MILLS WALDRUP
Entity Title:	PRESIDENTNA ENVIRONMENTAL SERVICES
Affiliation Address:	POBOX 098
Affiliation City:	RANCHOCUCAMONGA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	RACHEL VELTHUISEN RAMBOLL ENVIR
Entity Title:	Not reported

TERVITA LLC (Continued) **S118494387**

Affiliation Address: POBOX 098
Affiliation City: RANCHOCUCAMONGA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

A70 **PHOENIX SERVICES LLC** **FINDS 1024696881**
Target **12459 ARROW ROUTE** **ECHO N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 70 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110070485275

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.
Registry ID: 110066066991

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1024696881

PHOENIX SERVICES LLC (Continued) **1024696881**

Registry ID:	110070485275
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070485275
Name:	PHOENIX SERVICES LLC
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739

A71 **TAMCO STEEL** **PRP** **1026642577**
Target Property **12459 ARROW HIGHWAY PO BOX 325** **N/A**
ETIWANDA, CA 91739

Site 71 of 103 in cluster A

Actual: 1140 ft.

PRP:

Name:	TAMCO STEEL
Address:	12459 ARROW HIGHWAY PO BOX 325
City,State,Zip:	ETIWANDA, CA 91739
Superfund EPAID:	PAD002395887
Superfund Name:	PALMERTON ZINC PILE
Superfund Address:	211 FRANKLIN ST
Superfund City,State,Zip:	PALMERTON, PA 18071
NPL Status:	Currently on the Final NPL
NPL Status Short Name:	Not reported
Data Type:	SETTLEMENT DATE
Action Date:	12/10/1999
Settlement Code:	CD-4
Settlement:	C DECREE
Latitude:	+40.808331
Longitude:	-75.583339

A72 **TERVITA LLC** **ICIS** **1018311799**
Target Property **12459-B ARROW ROUTE** **N/A**
RANCHO CUCAMONGA, CA 91739

Site 72 of 103 in cluster A

Actual: 1140 ft.

ICIS:

Enforcement Action ID:	CASCAA200124326
FRS ID:	110056294905
Action Name:	NOV P63250 RULES 203(b), 3002(c) & 430(b)(1) & (b)(2)(G)
Facility Name:	TERVITA LLC
Facility Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Enforcement Action Type:	Notice of Violation
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	3295
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.099027
Longitude in Decimal Degrees:	-117.532714
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006071DA008
Facility NAICS Code:	327992
Tribal Land Code:	Not reported

A73 **CMC REBAR ETIWANDA** **TRIS 1023692466**
Target **12451 ARROW RTE** **FINDS 91739FNTNS12451**
Property **ETIWANDA, CA 91739** **ECHO**

Site 73 of 103 in cluster A

Actual:
1140 ft.

Facility, Chemical, Releases and Other Waste Management Summary Information:

TRI ID:	91739FNTNS12451
Form Type:	Form A Certification Statement
Reporting year:	2021
Trade secret indicator:	NO
Sanitized indicator:	NO
Title of certifying official:	OPERATIONS MANAGER ADAM RAINES
Certifying officials signature indicator:	ELECTRONIC
Date signed:	2022-06-27
Name:	CMC REBAR ETIWANDA
Address:	12451 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
BIA code:	Not reported
Tribe name:	Not reported
Mailing name:	CMC REBAR ETIWANDA
Mailing street:	PO BOX 2219
Mailing province:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91729
Entire facility ind:	YES
Partial facility ind:	NO
Federal facility ind:	NO
Goco facility ind:	NO
Assigned fed facility flag:	NO
Public contact name:	ADAM RAINES
Public contact phone and Ext:	9098031555
Public contact email:	ADAM.RAINES@CMC.COM
Primary sic code:	Not reported
Sic code 2:	Not reported
Sic code 3:	Not reported
Sic code 4:	Not reported
Sic code 5:	Not reported
Sic code 6:	Not reported
Naics origin:	Not reported
Primary naics code:	332312
Naics code 2:	Not reported
Naics code 3:	Not reported
Naics code 4:	Not reported
Naics code 5:	Not reported
Naics code 6:	Not reported
Latitude:	34.099028
Longitude:	-117.533015
D and B number A:	Not reported
D and B number B:	Not reported
RCRA number A:	Not reported
RCRA number B:	Not reported
RCRA number C:	Not reported
RCRA number D:	Not reported
RCRA number E:	Not reported
RCRA number F:	Not reported
RCRA number G:	Not reported
RCRA number H:	Not reported
NPDES number A:	Not reported
NPDES number B:	Not reported

CMC REBAR ETIWANDA (Continued) **1023692466**

NPDES number C:		Not reported
NPDES number D:		Not reported
NPDES number E:		Not reported
NPDES number F:		Not reported
NPDES number G:		Not reported
Parent company name:		COMMERCIAL METALS CO
Parent company D and B number:		007925845
Standardized parent company name:		COMMERCIAL METALS CO
Document control number:		1321219952367
TRI ID:		91739FNTNS12451
Cas number:		N495
Chemical name:	Nickel compounds	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		YES
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		Not reported
Fugitive air emissions - total release pounds:		Not reported
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		0
Fugitive air emissions - basis of estimate:		Not reported
Stack air emissions - release pounds:		Not reported
Stack air emissions - release range code:		Not reported
Total stack air emissions:		0
Stack air emissions - basis of estimate:		Not reported
Total air emissions:		Not reported
Discharges to stream a - stream name:		Not reported
Total discharges to stream a:		Not reported
Discharges to stream a - basis of estimate:		Not reported
Discharges to stream a - % from stormwater:		Not reported
Discharges to stream b - stream name:		Not reported
Total discharges to stream b:		Not reported
Discharges to stream b - basis of estimate:		Not reported
Discharges to stream b - % from stormwater:		Not reported
Discharges to stream c - stream name:		Not reported
Total discharges to stream c:		Not reported
Discharges to stream c - basis of estimate:		Not reported
Discharges to stream c - % from stormwater:		Not reported
Discharges to stream d - stream name:		Not reported
Total discharges to stream d:		Not reported
Discharges to stream d - basis of estimate:		Not reported
Discharges to stream d - % from stormwater:		Not reported
Discharges to stream e - stream name:		Not reported
Total discharges to stream e:		Not reported
Discharges to stream e - basis of estimate:		Not reported
Discharges to stream e - % from stormwater:		Not reported
Discharges to stream f - stream name:		Not reported
Total discharges to stream f:		Not reported
Discharges to stream f - basis of estimate:		Not reported
Discharges to stream f - % from stormwater:		Not reported
Discharges to stream g - stream name:		Not reported
Total discharges to stream g:		Not reported
Discharges to stream g - basis of estimate:		Not reported
Discharges to stream g - % from stormwater:		Not reported
Discharges to stream h - stream name:		Not reported
Discharges to stream h - release pounds:		Not reported

CMC REBAR ETIWANDA (Continued) **1023692466**

Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	Not reported
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	Not reported
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	Not reported
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	Not reported
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	Not reported
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	Not reported
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	Not reported
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	Not reported
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	Not reported
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	Not reported
Total on-site releases:	Not reported
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0

CMC REBAR ETIWANDA (Continued) **1023692466**

Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not reported
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not reported
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not reported
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110008061649
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	N495
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	YES
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	N495
Document control number:	1321219952367
Chemical name:	Nickel compounds
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	No
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	No
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	Not reported
P102 raw materials:	Not reported

CMC REBAR ETIWANDA (Continued) **1023692466**

P103 intermediates:	Not reported
P104 initiators:	Not reported
P199 other:	Not reported
Added as a formulation component:	No
P201 additives:	Not reported
P202 dyes:	Not reported
P203 reaction diluents:	Not reported
P204 initiators:	Not reported
P205 solvents:	Not reported
P206 inhibitors:	Not reported
P207 emulsifiers:	Not reported
P208 surfactants:	Not reported
P209 lubricants:	Not reported
P210 flame retardants:	Not reported
P211 rheological modifiers:	Not reported
P299 other:	Not reported
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	Not reported
Z102 catalysts:	Not reported
Z103 inhibitors:	Not reported
Z104 initiators:	Not reported
Z105 reaction terminators:	Not reported
Z106 solution buffers:	Not reported
Z199 other:	Not reported
Used as a manufacturing aid:	No
Z201 process lubricants:	Not reported
Z202 metalworking fluids:	Not reported
Z203 coolants:	Not reported
Z204 refrigerants:	Not reported
Z205 hydraulic fluids:	Not reported
Z299 other:	Not reported
Ancillary or other use:	No
Z301 cleaner:	Not reported
Z302 degreaser:	Not reported
Z303 lubricant:	Not reported
Z304 fuel:	Not reported
Z305 flame retardant:	Not reported
Z306 waste treatment:	Not reported
Z307 water treatment:	Not reported
Z308 construction materials:	Not reported
Z399 other:	Not reported

Submitted Facility Name:	CMC REBAR ETIWANDA
Submitted Street:	12451 ARROW RTE
Submitted City:	ETIWANDA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	91739
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	COMMERCIAL METALS CO
Submitted Parent Company DB Number:	007925845
Submitted Standardized Parent Company Name:	COMMERCIAL METALS CO

CMC REBAR ETIWANDA (Continued) **1023692466**

Submitted Primary NAICS Code:	332312
Submitted Industry Code:	332
Submitted Industry Name:	Fabricated Metals
Industry Code:	332
Industry Name:	Fabricated Metals
Last year the facility reported:	2021
First year the facility reported:	2000
Number of forms submitted:	1
Total number of forms submitted:	22
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	N495
Document control number:	1321219952367
Chemical name:	Nickel compounds
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Not reported
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported

CMC REBAR ETIWANDA (Continued) **1023692466**

Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

FINDS:
Registry ID: 110070089499

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
Registry ID: 110070344634

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1023692466
Registry ID:	110070089499
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070089499
Name:	CMC REBAR ETIWANDA
Address:	12451 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739

A74 **T.I. WIRE** **RCRA-LQG** **1000367607**
Target **12459 ARROW ROUTE** **CAD008288102**
Property **ETIWANDA, CA 91739**

Site 74 of 103 in cluster A

Actual:
1140 ft.

RCRA Listings:

Date Form Received by Agency:	20220207
Handler Name:	T.I. Wire
Handler Address:	ARROW ROUTE
Handler City,State,Zip:	ETIWANDA, CA 91739

T.I. WIRE (Continued) **1000367607**

EPA ID:	CAD008288102
Contact Name:	ERIC JENSEN
Contact Address:	HALLMARK PARKWAY
Contact City,State,Zip:	SAN BERNARDINO, CA 92407
Contact Telephone:	909-569-0123
Contact Fax:	Not reported
Contact Email:	EJENSEN@TREEISLAND.COM
Contact Title:	EH&S COMPLIANCE MANAGER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	HALLMARK PARKWAY
Mailing City,State,Zip:	SAN BERNARDINO, CA 92407
Owner Name:	Tree Island Industries Ltd.
Owner Type:	Private
Operator Name:	Tree Island Wire Usa, Inc.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220629
Recognized Trader-Importer:	No

T.I. WIRE (Continued) **1000367607**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D004
Waste Description:	Arsenic
Waste Code:	D006
Waste Description:	Cadmium
Waste Code:	D007
Waste Description:	Chromium
Waste Code:	F003
Waste Description:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent

T.I. WIRE (Continued) **1000367607**

Mixtures.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: TREE ISLAND INDUSTRIES, INC	
Legal Status:	Private
Date Became Current:	20041201
Date Ended Current:	Not reported
Owner/Operator Address:	3880 W. VALLEY BLVD
Owner/Operator City,State,Zip:	WALNUT, CA 91789
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: TREE ISLAND WIRE USA, INC.	
Legal Status:	Private
Date Became Current:	20041201
Date Ended Current:	Not reported
Owner/Operator Address:	3880 W. VALLEY BLVD.
Owner/Operator City,State,Zip:	WALNUT, CA 91789
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: TREEISLAND WIRE USA INC	
Legal Status:	Private
Date Became Current:	20041201
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 489
Owner/Operator City,State,Zip:	FONTANA, CA 92334-0489
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: TREE ISLAND WIRE USA, INC.	
Legal Status:	Private
Date Became Current:	20041201
Date Ended Current:	Not reported
Owner/Operator Address:	5080 HALLMARK PARKWAY

T.I. WIRE (Continued) **1000367607**

Owner/Operator City,State,Zip: SAN BERNARDINO, CA 92407
Owner/Operator Telephone: 909-569-0123
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: EJENSEN@TREEISLAND.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TREE ISLAND INDUSTRIES LTD.
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: 3933 BOUNDARY ROAD
Owner/Operator City,State,Zip: RICHMOND
Owner/Operator Telephone: 8006638757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TREE ISLAND INDUSTRIES LTD.
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: 3933 BOUNDARY ROAD
Owner/Operator City,State,Zip: RICHMOND, BC 6V61TB
Owner/Operator Telephone: 800-663-8757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TREE ISLAND WIRE USA, INC.
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: 5080 HALLMARK PARKWAY
Owner/Operator City,State,Zip: SAN BERNARDINO, CA 92407
Owner/Operator Telephone: 909-569-0123
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: EJENSEN@TREEISLAND.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: TREEISLAND WIRE USA INC
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TREE ISLAND WIRE USA, INC.
Legal Status: Private

T.I. WIRE (Continued) **1000367607**

Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TREE ISLAND WIRE USA, INC.
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: 5080 HALLMARK PARKWAY
Owner/Operator City,State,Zip: SAN BERNARDINO, CA 92407
Owner/Operator Telephone: 909-569-0123
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: EJENSEN@TREEISLAND.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TREE ISLAND INDUSTRIES LTD.
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: 3933 BOUNDARY ROAD
Owner/Operator City,State,Zip: RICHMOND, BC 6V61TB
Owner/Operator Telephone: 800-663-8757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TREE ISLAND WIRE USA INC
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: 12459 ARROW ROUTE
Owner/Operator City,State,Zip: ETIWANDA, CA 91739
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: AMERON STEEL
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

T.I. WIRE (Continued) **1000367607**

Owner/Operator Indicator: Operator
Owner/Operator Name: TREE ISLAND INDUSTRIES USA
Legal Status: Private
Date Became Current: 20020401
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TREE ISLAND INDUSTRIES LTD
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: 12459 ARROW ROUTE
Owner/Operator City,State,Zip: ETIWANDA, CA 91739
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TREE ISLAND INDUSTRIES LTD.
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: 3933 BOUNDARY ROAD
Owner/Operator City,State,Zip: RICHMOND, BC 6V61TB
Owner/Operator Telephone: 800-663-8757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TREE ISLAND INDUSTRIES USA
Legal Status: Private
Date Became Current: 20020401
Date Ended Current: Not reported
Owner/Operator Address: 13470 PHILADEGHIA AVE
Owner/Operator City,State,Zip: FONTANA, CA 92337
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TREE ISLAND WIRE USA, INC
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

T.I. WIRE (Continued) **1000367607**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TREE ISLAND INDUSTRIES LTD.
Legal Status: Private
Date Became Current: 20041201
Date Ended Current: Not reported
Owner/Operator Address: 3933 BOUNDARY ROAD
Owner/Operator City,State,Zip: RICHMOND, BC 6V61TB
Owner/Operator Telephone: 800-663-8757
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: EJENSEN@TREEISLAND.COM

Historic Generators:
Receive Date: 20100603
Handler Name: T.I. WIRE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120601
Handler Name: T.I. WIRE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: T.I. WIRE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160225
Handler Name: T.I. WIRE

T.I. WIRE (Continued) **1000367607**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20200203
Handler Name: T.I. WIRE	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20220207
Handler Name: T.I. WIRE	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	19960901
Handler Name: AMERON STEEL WIRE DIV	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19940310
Handler Name: AMERON STEEL WIRE DIV	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

T.I. WIRE (Continued) **1000367607**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060426
Handler Name: TI WIRE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200203
Handler Name: T.I. WIRE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20001012
Handler Name: I.W.P.A.D., INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040708
Handler Name: INDUSTRIAL WIRE PRODUCTS CORP.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

T.I. WIRE (Continued) **1000367607**

List of NAICS Codes and Descriptions:

NAICS Code:	323119
NAICS Description:	OTHER COMMERCIAL PRINTING
NAICS Code:	331
NAICS Description:	PRIMARY METAL MANUFACTURING
NAICS Code:	331111
NAICS Description:	IRON AND STEEL MILLS
NAICS Code:	331222
NAICS Description:	STEEL WIRE DRAWING
NAICS Code:	332618
NAICS Description:	OTHER FABRICATED WIRE PRODUCT MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20060118
Actual Return to Compliance Date:	20060118
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20060118
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes

T.I. WIRE (Continued) **1000367607**

Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20170508
Actual Return to Compliance Date:	20170717
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20170508
Actual Return to Compliance Date:	20170717
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported

T.I. WIRE (Continued) **1000367607**

Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20060118
Actual Return to Compliance Date:	20060118
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	500
Date of Enforcement Action:	20060306
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No

T.I. WIRE (Continued) **1000367607**

Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20060118
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20060118
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20170508
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported

T.I. WIRE (Continued) **1000367607**

Actual Return to Compliance Date:	20170717
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170508
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170717
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060118
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20210126
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

A75 **CMC STEEL FABRICATORS-DBA CMC REBAR** **RCRA NonGen / NLR** **1024792332**
Target **12451 ARROW ROUTE** **CAL000120760**
Property **ETIWANDA, CA 91739**

Site 75 of 103 in cluster A

Actual: **1140 ft.**

RCRA Listings:

Date Form Received by Agency:	20220426
Handler Name:	Cmc Steel Fabricators-Dba Cmc Rebar
Handler Address:	12451 ARROW ROUTE
Handler City,State,Zip:	ETIWANDA, CA 91739-0000

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **1024792332**

EPA ID:	CAL000120760
Contact Name:	ALBERTO D MENDOZA
Contact Address:	PO BOX 911
Contact City,State,Zip:	SEGUIN, TX 78156
Contact Telephone:	909-646-7822
Contact Fax:	909-908-0973
Contact Email:	ALBERTO.MENDOZA@CMC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 911
Mailing City,State,Zip:	SEGUIN, TX 78156
Owner Name:	Cmc Steel Fabricators Inc
Owner Type:	Other
Operator Name:	Eduardo A. Medina/Sfty Manager
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220523
Recognized Trader-Importer:	No

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **1024792332**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CMC STEEL FABRICATORS INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	15050 SANTA ANA AVE
Owner/Operator City,State,Zip:	FONTANA, CA 92337-7264
Owner/Operator Telephone:	909-350-8505
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDUARDO A. MEDINA/SFTY MANAGER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	15050 SANTA ANA AVE
Owner/Operator City,State,Zip:	FONTANA, CA 92337
Owner/Operator Telephone:	909-803-1534
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDUARDO A. MEDINA/SFTY MANAGER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	15050 SANTA ANA AVE
Owner/Operator City,State,Zip:	FONTANA, CA 92337
Owner/Operator Telephone:	909-803-1534
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CMC STEEL FABRICATORS INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	15050 SANTA ANA AVE
Owner/Operator City,State,Zip:	FONTANA, CA 92337-7264
Owner/Operator Telephone:	909-350-8505
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CMC STEEL FABRICATORS-DBA CMC REBAR (Continued) **1024792332**

Historic Generators:

Receive Date:	20220426
Handler Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	19941020
Handler Name:	CMC STEEL FABRICATORS-DBA CMC REBAR
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	332114
NAICS Description:	CUSTOM ROLL FORMING

NAICS Code:	332312
NAICS Description:	FABRICATED STRUCTURAL METAL MANUFACTURING

NAICS Code:	332321
NAICS Description:	METAL WINDOW AND DOOR MANUFACTURING

NAICS Code:	332323
NAICS Description:	ORNAMENTAL AND ARCHITECTURAL METAL WORK MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A76 **PHOENIX METAL SERVICES** **HAULERS** **S127803634**
Target **12459 ARROW ROUTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 76 of 103 in cluster A

Actual: HAULERS:
1140 ft.

Name:	PHOENIX METAL SERVICES
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	1911044
Facility Phone:	(909) 532-3542
Business Email Address:	Not reported
Contact Person:	Greg Diaz
Mailing Address:	P.O. Box 323 Etiwanda Avenue
Mailing City:	Rancho Cucamonga
Mailing State:	CA
Mailing Zip:	91739
Mailing County:	Not reported
Mailing Phone:	(909) 202-1232
Current Status:	Active
Current Hauler Status:	Not reported
Accepting Tires From Public:	Not reported
Regulatory Status Last Changed:	2018-03-27 13:00:26
Business Types:	Not reported

A77 **1X TAMCO_STEEL** **HWTS** **S124543586**
Target **12459 ARROW** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 77 of 103 in cluster A

Actual: HWTS:
1140 ft.

Name:	1X TAMCO_STEEL
Address:	12459 ARROW
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC000890216
Inactive Date:	10/25/2000
Create Date:	04/19/1993
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	P O BOX 325
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 917390000
Owner Name:	CORPORATION
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	GEORGIA CARROLL/CONTRACTOR
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE

1X TAMCO_STEEL (Continued) **S124543586**

Latitude: 34.099092
Longitude: -117.533835

A78 **GOODMAN RANCHO SPE LLC** **HAZNET** **S118213260**
Target **12455 ARROW RTE** **HWTS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 78 of 103 in cluster A

Actual: 1140 ft.

HAZNET:
Name: GOODMAN RANCHO SPE LLC
Address: 12455 ARROW RTE
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 917399601
Contact: RANDY RANKIN
Telephone: 7143257245
Mailing Name: Not reported
Mailing Address: 18201 VON KARMAN AVE STE 1170

Year: 2014
Gepaid: CAC002774661
TSD EPA ID: CAD981382732
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.8

Additional Info:
Year: 2014
Gen EPA ID: CAC002774661

Shipment Date: 20140612
Creation Date: 8/24/2014 22:15:06
Receipt Date: 20140623
Manifest ID: 012486915JJK
Trans EPA ID: CAR000050815
Trans Name: PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID: CAL000317320
Trans 2 Name: UNIWASTE
TSDF EPA ID: CAD981382732
Trans Name: ALTAMONT LANDFILL
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.8
Waste Quantity: 2
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

GOODMAN RANCHO SPE LLC (Continued) **S118213260**

HWTS:

Name:	GOODMAN RANCHO SPE LLC
Address:	12455 ARROW RTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC002774661
Inactive Date:	09/11/2014
Create Date:	06/12/2014
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	18201 VON KARMAN AVE STE 1170
Mailing Address 2:	Not reported
Mailing City,State,Zip:	IRVINE, CA 926121093
Owner Name:	GOODMAN RANCHO SPE LLC
Owner Address:	18201 VON KARMAN AVE STE 1170
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 926121093
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	RANDY RANKIN
Contact Address:	12455 ARROW RTE
Contact Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.098958
Longitude:	-117.532922

A79 **UNITED SLAG PROCESSING** **HWTS** **S124803735**
Target **12459 ARROW HIGHWAY** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 79 of 103 in cluster A

Actual:
1140 ft.

HWTS:

Name:	UNITED SLAG PROCESSING
Address:	12459 ARROW HIGHWAY
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000122753
Inactive Date:	06/30/1998
Create Date:	08/31/1994
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 177
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 917390177
Owner Name:	UNITED SLAG PROCESSING
Owner Address:	12459 ARROW HIGHWAY
Owner Address 2:	Not reported
Owner City,State,Zip:	RANCHO CUCAMONGA, CA 917390000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	LYNN DEAN

UNITED SLAG PROCESSING (Continued) **S124803735**

Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917390000
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.099092
Longitude:	-117.533835

A80 **BTC III ARROW ROUTE CC LP** **NPDES S128692051**
Target **12451 ARROW ROUTE** **CIWQS N/A**
Property **RANCHO CUCAMONGA, CA 91739** **CERS**

Site 80 of 103 in cluster A

Actual:
1140 ft.

NPDES:

Name:	BTC III ARROW ROUTE CC LP
Address:	12451 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	548295
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	8 36C397745
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/10/2022
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	12459 Arrow Route
Discharge Name:	BTC III Arrow Route CC LP
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	BTC III ARROW ROUTE CC LP
Address:	12451 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported

BTC III ARROW ROUTE CC LP (Continued) **S128692051**

WDID:	8 36C397745
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	06/10/2022
Operator Name:	BTC III Arrow Route CC LP
Operator Address:	12459 Arrow Route
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

CIWQS:

Name:	BTC III ARROW ROUTE CC LP
Address:	12451 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	BTC III Arrow Route CC LP
Agency Address:	12459 Arrow Route, Rancho Cucamonga, CA 91739
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C397745
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	06/10/2022
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.0988
Longitude:	-117.534

CERS:

Name:	BTC III ARROW ROUTE CC LP
Address:	12451 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	619610
CERS ID:	903352
CERS Description:	Construction Storm Water

A81 **TAMCO** **CIWQS** **S120035699**
Target **12459-B ARROW ROUTE 12459-B ARROW ROUTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 81 of 103 in cluster A

Actual: **1140 ft.**

CIWQS:

Name:	TAMCO
Address:	12459-B ARROW ROUTE 12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Tamco
Agency Address:	PO Box 325, Rancho Cucamonga, CA 91739
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C378348
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	12/07/2016
Termination Date:	11/20/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.099
Longitude:	-117.53022

A82 **SOUTHERN CALIFORNIA EDISON** **HWTS** **S124594386**
Target **12459 ARROW RTE** **N/A**
Property **ETIWANDA, CA 91739**

Site 82 of 103 in cluster A

Actual: **1140 ft.**

HWTS:

Name:	SOUTHERN CALIFORNIA EDISON
Address:	12459 ARROW RTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAC002621940
Inactive Date:	03/27/2008
Create Date:	09/28/2007
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2244 S WALNUT GROVE AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ROSEMEAD, CA 917700000
Owner Name:	SOUTHERN CALIFORNIA EDISON
Owner Address:	2244 S WALNUT GROVE AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ROSEMEAD, CA 917700000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	STAN MARSH/TECH SPECIALIST

SOUTHERN CALIFORNIA EDISON (Continued) **S124594386**

Contact Address:	2244 S WALNUT GROVE AVE
Contact Address 2:	Not reported
City,State,Zip:	ROSEMEAD, CA 917700000
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.099069
Longitude:	-117.533789

A83 **TERVITA LLC** **RCRA NonGen / NLR** **1024838385**
Target **12459B ARROW RTE** **CAL000385141**
Property **RANCHO CUCAMONGA, CA 91739**

Site 83 of 103 in cluster A

Actual: **1140 ft.**

RCRA Listings:

Date Form Received by Agency:	20130507
Handler Name:	Tervita Llc
Handler Address:	12459B ARROW RTE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9601
EPA ID:	CAL000385141
Contact Name:	WENDY HATFIELD
Contact Address:	12459B ARROW RTE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	909-899-7504
Contact Fax:	909-899-4806
Contact Email:	WHATFIELD@TERVITA.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12459B ARROW RTE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9601
Owner Name:	Tervita Llc
Owner Type:	Other
Operator Name:	Wendy Hatfield
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No

TERVITA LLC (Continued) **1024838385**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: TERVITA LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12459 ARROW ROUTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone:	909-899-7504
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: WENDY HATFIELD	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12459B ARROW RTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-7504
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20130507

TERVITA LLC (Continued) **1024838385**

Handler Name: TERVITA LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 327992
NAICS Description: GROUND OR TREATED MINERAL AND EARTH MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A84 **CHMIRS** **S106399138**
Target Property **12459 ARROW ROOT** **N/A**
RANCHO CUCAMONGA, CA

Site 84 of 103 in cluster A

Actual: 1140 ft.

CHMIRS:
Name: Not reported
Address: 12459 ARROW ROOT
City,State,Zip: RANCHO CUCAMONGA, CA
OES Incident Number: 3-3466
OES notification: 07/10/2003
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported

(Continued) **S106399138**

Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Tamco Steel
Incident Date:	7/10/200312:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Scrap Pipe
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP was delivered some scrap pipe with radioactive material residue on it. RP is declining the delivery and wants permission to release this shipment back to its orgininal owner. The reading of the material was .99 mil rads.

A85 **TAMCO** **NPDES** **S111292925**
Target **12459 B ARROW RTE** **CIWQS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 85 of 103 in cluster A

Actual:
1140 ft.

NPDES:

Name:	TAMCO
Address:	12459 B ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	213131
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I002257
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/31/1992
Termination Date Of Regulatory Measure:	02/07/2022
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 325
Discharge Name:	Tamco
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213131
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I002257
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/31/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tamco
Discharge Address:	PO Box 325
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported

TAMCO (Continued) **S111292925**

Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported

TAMCO (Continued) **S111292925**

Region:	8
Regulatory Measure ID:	213131
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I002257
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/31/1992
Status:	Active
Status Date:	03/31/1992
Place Size:	85
Place Size Unit:	Acres
Contact:	Mark Olson
Contact Title:	VP General Manager
Contact Phone:	909-899-0660
Contact Phone Ext:	Not reported
Contact Email:	mark.olson@gerdau.com
Operator Name:	Tamco
Operator Address:	PO Box 325
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Mark Olson
Operator Contact Title:	VP General Manager
Operator Contact Phone:	909-899-0660
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mark.olson@gerdau.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-827-4989
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported

TAMCO (Continued) **S111292925**

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	Mark Olson
Certifier Title:	VPGM
Certification Date:	29-MAY-15
Primary Sic:	3312-Steel Works, Blast Furnaces (Including Coke Ovens), and Rolling Mills
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	TAMCO
Address:	12459 B ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Tamco
Agency Address:	PO Box 325, Rancho Cucamonga, CA 91739
Place/Project Type:	Industrial - Steel Works, Blast Furnaces (Including Coke Ovens), and Rolling Mills
SIC/NAICS:	3312
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I002257
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/31/1992
Termination Date:	02/07/2022
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09905
Longitude:	-117.53397

A86 **PIPE SUBSTATION** **RCRA NonGen / NLR** **1026477140**
Target **12459 ARROW HWY** **CAC003082971**
Property **ETIWANDA, CA 91739**

Site 86 of 103 in cluster A

Actual:
1140 ft.

RCRA Listings:

Date Form Received by Agency:	20200909
Handler Name:	Pipe Substation
Handler Address:	12459 ARROW HWY

PIPE SUBSTATION (Continued) **1026477140**

Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAC003082971
Contact Name:	JASON J. THOMAS
Contact Address:	ESD, PROGRAMS & GOVERNANCE
Contact City,State,Zip:	ROSEMEAD, CA 91770
Contact Telephone:	626-302-3105
Contact Fax:	Not reported
Contact Email:	JASON.THOMAS@SCE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ESD, PROGRAMS & GOVERNANCE
Mailing City,State,Zip:	ROSEMEAD, CA 91770
Owner Name:	Southern California Edison
Owner Type:	Other
Operator Name:	Jason J. Thomas
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200920

PIPE SUBSTATION (Continued) **1026477140**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SOUTHERN CALIFORNIA EDISON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ESD, PROGRAMS & GOVERNANCE
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770
Owner/Operator Telephone:	626-302-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JASON J. THOMAS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ESD, PROGRAMS & GOVERNANCE
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770
Owner/Operator Telephone:	626-302-3105
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200909
Handler Name: PIPE SUBSTATION	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221121
NAICS Description:	ELECTRIC BULK POWER TRANSMISSION AND CONTROL

Facility Has Received Notices of Violations:

Violations:	No Violations Found

PIPE SUBSTATION (Continued) **1026477140**

Evaluation Action Summary:
Evaluations: No Evaluations Found

A87 **AMERON INTERNATIONAL BRINE FACILITY (CLOSED)** **FINDS** **1023240736**
Target Property **12455 ARROW ROUTE** **N/A**
ETIWANDA, CA 91739

Site 87 of 103 in cluster A

Actual: 1140 ft.

FINDS:
Registry ID: 110065286158

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A88 **CHMIRS** **S120832984**
Target Property **12459 B ARROW ROUTE** **N/A**
RANCHO CUCAMONGA, CA 91739

Site 88 of 103 in cluster A

Actual: 1140 ft.

CHMIRS:

Name:	Not reported
Address:	12459 B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
OES Incident Number:	17-1220
OES notification:	02/09/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported

(Continued) **S120832984**

Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Channel / Chadwick Channel
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Unknown
Other:	Not reported
Date/Time:	1400
Year:	2017
Agency:	Gerdau
Incident Date:	02/07/2017
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Storm Channel / Chadwick Channel
E Date:	Not reported
Substance:	Road Pro NT
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: Chemical dust supressant Road Pro NT runoff due to rains onto neighboring facility. 2300 gallons was applied to the entire facility (40 acres) over the weekend of 2/4 & 2/5 and a smaller unknown amount has released to a storm capture/discharge system which eventually leads to the Chadwick Channel that runs through the NRG Power Plant. The NRG Power Plant contacted the RP after noticing a change in water samples at their

(Continued) **S120832984**

facility. A contractor is currently cleaning up release and vacuuming storm system.

A89 **TERVITA (US OPERATIONS) LLC** **EMI** **S120712967**
Target Property **12459-B ARROW ROUTE** **N/A**
RANCHO CUCAMONGA, CA 91739

Site 89 of 103 in cluster A

Actual: 1140 ft.

EMI:

Name:	TERVITA (US OPERATIONS) LLC
Address:	12459-B ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2015
County Code:	36
Air Basin:	SC
Facility ID:	172593
Air District Name:	SC
SIC Code:	3295
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0037711392405
Reactive Organic Gases Tons/Yr:	0.00375626
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.17183079
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.1649575584

A90 **TERVITA LLC** **FINDS** **1016696702**
Target Property **12459-B ARROW ROUTE** **N/A**
RANCHO CUCAMONGA, CA 91739

Site 90 of 103 in cluster A

Actual: 1140 ft.

FINDS:

Registry ID: 110056294905

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650

TERVITA LLC (Continued) **1016696702**

toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.
THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.
The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
ALLOWS PERMITTING AUTHORITIES TO SUBMIT NEW SOURCE REVIEW (NSR) AND TITLE V PERMIT ACTIONS TO EPA FOR REVIEW.
All generators and treatment, storage, and disposal (TSD) facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years. The data collected is used to create the National Biennial Resource Conservation and Recovery Act (RCRA) Hazardous Waste Report. This data is processed within the RCRA Information (RCRAInfo) database
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A91 **TAMCO** **EMI** **S116288203**
Target **12459 ARROW HWY** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 91 of 103 in cluster A

Actual: **1140 ft.**

EMI:

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	1995

TAMCO (Continued) **S116288203**

County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	2759
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	387
NOX - Oxides of Nitrogen Tons/Yr:	52
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	70
Part. Matter 10 Micrometers and Smllr Tons/Yr:	50

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	1996
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	2759
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	14
Carbon Monoxide Emissions Tons/Yr:	400
NOX - Oxides of Nitrogen Tons/Yr:	104
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	102
Part. Matter 10 Micrometers and Smllr Tons/Yr:	73

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	1997
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	483
NOX - Oxides of Nitrogen Tons/Yr:	347
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	87
Part. Matter 10 Micrometers and Smllr Tons/Yr:	86

Name:	TAMCO

TAMCO (Continued) **S116288203**

Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	1998
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	483
NOX - Oxides of Nitrogen Tons/Yr:	347
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	87
Part. Matter 10 Micrometers and Smllr Tons/Yr:	86

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	1999
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	483
NOX - Oxides of Nitrogen Tons/Yr:	347
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	87
Part. Matter 10 Micrometers and Smllr Tons/Yr:	86

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2000
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	483
NOX - Oxides of Nitrogen Tons/Yr:	347
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	87

TAMCO (Continued) **S116288203**

Part. Matter 10 Micrometers and Smllr Tons/Yr:86

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2009
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.1214680485839708
Reactive Organic Gases Tons/Yr:	5.72201
Carbon Monoxide Emissions Tons/Yr:	33.974850000000004
NOX - Oxides of Nitrogen Tons/Yr:	26.872309999999999
SOX - Oxides of Sulphur Tons/Yr:	0.13557
Particulate Matter Tons/Yr:	18.796980000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	14.82108092

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2010
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	13.9648355307859
Reactive Organic Gases Tons/Yr:	8.696857992
Carbon Monoxide Emissions Tons/Yr:	48.53528
NOX - Oxides of Nitrogen Tons/Yr:	38.586500000000001
SOX - Oxides of Sulphur Tons/Yr:	0.19818003996
Particulate Matter Tons/Yr:	32.403140665999999
Part. Matter 10 Micrometers and Smllr Tons/Yr:	25.272934522004

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2011
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.443954068
Reactive Organic Gases Tons/Yr:	9.76251
Carbon Monoxide Emissions Tons/Yr:	55.30843

TAMCO (Continued) **S116288203**

NOX - Oxides of Nitrogen Tons/Yr:	50.17495
SOX - Oxides of Sulphur Tons/Yr:	24.47832297
Particulate Matter Tons/Yr:	32.78434
Part. Matter 10 Micrometers and Smllr Tons/Yr:	28.08597042

Name:	GERDAU
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2015
County Code:	36
Air Basin:	SC
Facility ID:	18931
Air District Name:	SC
SIC Code:	3312
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.32828416
Reactive Organic Gases Tons/Yr:	13.972473205
Carbon Monoxide Emissions Tons/Yr:	68.74134873
NOX - Oxides of Nitrogen Tons/Yr:	87.22235512
SOX - Oxides of Sulphur Tons/Yr:	32.65737165
Particulate Matter Tons/Yr:	50.658635423
Part. Matter 10 Micrometers and Smllr Tons/Yr:	41.173130746

A92 **TAMCO** **FINDS** **1023692416**
Target **12459 B ARROW RTE** **ECHO** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 92 of 103 in cluster A

Actual:
1140 ft.

FINDS:
Registry ID: 110070089448

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1023692416
Registry ID:	110070089448
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070089448
Name:	TAMCO
Address:	12459 B ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739

A93 **TAMCO** **RGA LUST** **S114698522**
Target **12459 ARROW HIGHWAY** **N/A**
Property **RANCHO CUCAMONGA, CA**

Site 93 of 103 in cluster A

Actual: **1140 ft.**

RGA LUST:
Name: TAMCO
Address: 12459 ARROW HIGHWAY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
1998 TAMCO 12459 ARROW HIGHWAY
Name: TAMCO
Address: 12459 ARROW HIGHWAY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
1997 TAMCO 12459 ARROW HIGHWAY
Name: TAMCO
Address: 12459 ARROW HIGHWAY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
1996 TAMCO 12459 ARROW HIGHWAY
Name: TAMCO
Address: 12459 ARROW HIGHWAY
City: RANCHO CUCAMONGA
State: RANCHO CUCAMONGA
1995 TAMCO 12459 ARROW HIGHWAY

A94 **AMERON INTERNATIONAL WATER TRANSMISSION GROUP** **FINDS** **1023210018**
Target **12455 ARROW RTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 94 of 103 in cluster A

Actual: **1140 ft.**

FINDS:
Registry ID: 110064954232

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A95 AMERON SUBSTATION **RCRA NonGen / NLR** **1027447064**
Target 12459 ARROW HWY **CAC003184668**
Property ETIWANDA, CA 91739

Site 95 of 103 in cluster A

Actual: 1140 ft.

RCRA Listings:

Date Form Received by Agency:	20220711
Handler Name:	Ameron Substation
Handler Address:	12459 ARROW HWY
Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAC003184668
Contact Name:	SOKHOM MANG
Contact Address:	ESD, PROGRAMS & GOVERNANCE
Contact City,State,Zip:	ROSEMEAD, CA 91770
Contact Telephone:	562-676-2835
Contact Fax:	Not reported
Contact Email:	SOKHOM.MANG@SCE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ESD, PROGRAMS & GOVERNANCE
Mailing City,State,Zip:	ROSEMEAD, CA 91770
Owner Name:	Southern California Edison
Owner Type:	Other
Operator Name:	Sokhom Mang
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

AMERON SUBSTATION (Continued) **1027447064**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220711
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SOUTHERN CALIFORNIA EDISON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ESD, PROGRAMS & GOVERNANCE
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770
Owner/Operator Telephone:	626-302-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SOKHOM MANG	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ESD, PROGRAMS & GOVERNANCE
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770
Owner/Operator Telephone:	562-676-2835
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220711
Handler Name: AMERON SUBSTATION	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

AMERON SUBSTATION (Continued) **1027447064**

List of NAICS Codes and Descriptions:
NAICS Code: 221121
NAICS Description: ELECTRIC BULK POWER TRANSMISSION AND CONTROL

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A96 **TAMCO** **AST** **S105047485**
Target **12459 ARROW RT** **WDS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 96 of 103 in cluster A

Actual:
1140 ft.

AST:
Name: SCE-FRANCIS SUBSTATION
Address: 12459 ARROW
City/Zip: RANCHO CUCAMONGA,
Certified Unified Program Agencies: San Bernardino
Owner: SOUTHERN CALIFORNIA EDISON
Total Gallons: 14,116
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

WDS:
Name: TAMCO
Address: 12459 ARROW RT
City: RANCHO CUCAMONGA
Facility ID: Santa Ana River 36I002257
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or

TAMCO (Continued) **S105047485**

	processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	9098990660
Facility Contact:	LEONARD E ROBINSON
Agency Name:	TAMCO
Agency Address:	PO Box 325
Agency City,St,Zip:	Rancho Cucamonga 917390325
Agency Contact:	JACK STUTZ
Agency Telephone:	9098990660
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

A97 **TAMCO** **CERS** **S129446565**
Target **12459 ARROW RT STE B** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 97 of 103 in cluster A

Actual:
1140 ft.

CERS:

Name:	TAMCO
Address:	12459 ARROW RT STE B
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	73806
CERS ID:	91739TMC 12459
CERS Description:	Toxic Release Inventory

Affiliation:

TAMCO (Continued) **S129446565**

Affiliation Type Desc:	Company Official
Entity Name:	Jesse White
Entity Title:	Environmental Manager
Affiliation Address:	PO BOX 325
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	Alberto Mendoza
Entity Title:	Not reported
Affiliation Address:	PO BOX 325
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	9099080973,

Affiliation Type Desc:	Parent Company
Entity Name:	COMMERCIAL METALS CO
Entity Title:	Not reported
Affiliation Address:	PO BOX 325
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,

Affiliation Type Desc:	Parent Company
Entity Name:	GERDAU USA INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 325
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,

Affiliation Type Desc:	Technical Contact
Entity Name:	Alberto Mendoza
Entity Title:	Not reported
Affiliation Address:	PO BOX 325
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	9099080973,

Affiliation Type Desc:	Company Official
Entity Name:	Alberto Mendoza
Entity Title:	Environmental Manager
Affiliation Address:	PO BOX 325
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported

TAMCO (Continued) **S129446565**

Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Mark Olson
Entity Title: Not reported
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9098990660,

Affiliation Type Desc: Technical Contact
Entity Name: GIANNINA ESPINOZA
Entity Title: Not reported
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9098990660,

Name: TAMCO
Address: 12459 ARROW RT STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 73806
CERS ID: 91739TMCXX12459
CERS Description: Toxic Release Inventory

Affiliation:
Affiliation Type Desc: Company Official
Entity Name: Jesse White
Entity Title: Environmental Manager
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Alberto Mendoza
Entity Title: Not reported
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9099080973,

Affiliation Type Desc: Parent Company
Entity Name: COMMERCIAL METALS CO
Entity Title: Not reported
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA

TAMCO (Continued) **S129446565**

Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Parent Company
Entity Name: GERDAU USA INC
Entity Title: Not reported
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Technical Contact
Entity Name: Alberto Mendoza
Entity Title: Not reported
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9099080973,

Affiliation Type Desc: Company Official
Entity Name: Alberto Mendoza
Entity Title: Environmental Manager
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: Mark Olson
Entity Title: Not reported
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9098990660,

Affiliation Type Desc: Technical Contact
Entity Name: GIANNINA ESPINOZA
Entity Title: Not reported
Affiliation Address: PO BOX 325
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: 9098990660,

A98 **TAMCO** **AST** **S106803248**
Target **12459 ARROW RTE STE B** **San Bern. Co. Permit** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 98 of 103 in cluster A

Actual:
1140 ft.

AST:

Name:	TAMCO
Address:	12459 ARROW RTE STE B
City/Zip:	RANCHO CUCAMONGA,91739
Certified Unified Program Agencies:	Not reported
Owner:	GERDAU LONG STEEL NORTH AMERICA
Total Gallons:	Not reported
CERSID:	10152245
Facility ID:	FA0006582
Business Name:	TAMCO
Phone:	(909) 899-0660
Fax:	(909) 899-1910
Mailing Address:	PO BOX 325
Mailing Address City:	RANCHO CUCAMONGA
Mailing Address State:	CA
Mailing Address Zip Code:	91739
Operator Name:	Mark Olson
Operator Phone:	(909) 899-0660
Owner Phone:	(909) 899-0660
Owner Mail Address:	PO BOX 325
Owner State:	CA
Owner Zip Code:	91739
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD982361404

San Bern. Co. Permit:

Name:	TAMCO
Address:	12459 ARROW RTE STE B
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0006582
Owner:	BTC III ARROW ROUTE CC LP
Permit Number:	PT0018057
Permit Category:	RCRA LARGE QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	03/31/2023

Name:	TAMCO
Address:	12459 ARROW RTE STE B
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0006582
Owner:	BTC III ARROW ROUTE CC LP
Permit Number:	PT0002256
Permit Category:	RCRA LARGE QUANTITY GENERATOR
Facility Status:	INACTIVE

TAMCO (Continued) **S106803248**

Expiration Date: 03/31/2023

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0034555
Permit Category: APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 03/31/2023

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0023969
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2023

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0018725
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2023

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0018733
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2023

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0018734
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2023

TAMCO (Continued) **S106803248**

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0018735
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2023

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0012155
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2023

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0012156
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 03/31/2023

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0017605
Permit Category: UW HANDLER WITH ANOTHER CUPA PERMIT
Facility Status: INACTIVE
Expiration Date: 03/31/2023

Name: TAMCO
Address: 12459 ARROW RTE STE B
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0006582
Owner: BTC III ARROW ROUTE CC LP
Permit Number: PT0002255
Permit Category: HAZARDOUS MATERIALS 71+ CHEMICALS
Facility Status: INACTIVE
Expiration Date: 03/31/2023

A99 **SCE PIPE SUBSTATION** **San Bern. Co. Permit** **S121309533**
Target **12459 ARROW RTE** **CERS** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 99 of 103 in cluster A

Actual:
1140 ft.

San Bern. Co. Permit:
Name: SCE PIPE SUBSTATION
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000434
Owner: Southern California Edison
Permit Number: PT0000541
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 02/28/2024

Name: SCE PIPE SUBSTATION
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000434
Owner: Southern California Edison
Permit Number: PT0020853
Permit Category: APSA EXEMPT
Facility Status: ACTIVE
Expiration Date: 02/28/2024

CERS:
Name: SCE PIPE SUBSTATION
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 151577
CERS ID: 10034656
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2016
Violations Found: No

SCE PIPE SUBSTATION (Continued) **S121309533**

Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-SCE PIPE
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 151577
Facility Name: SCE Pipe Substation
Env Int Type Code: HMBP
Program ID: 10034656
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.099054
Longitude: -117.540866

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Jeremy Gates
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner

SCE PIPE SUBSTATION (Continued) **S121309533**

Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91770
Affiliation Phone:	(626) 302-1212,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Environmental Notification Center
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy Gates
Entity Title:	Senior Advisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

SCE PIPE SUBSTATION (Continued) **S121309533**

Affiliation Zip: Not reported
Affiliation Phone: (626) 302-1212,

A100 Target Property **NATIONAL OILWELL VARCO**
12455 ARROW RTE
RANCHO CUCAMONGA, CA 91739

HAZNET **S118205573**
HWTS **N/A**

Site 100 of 103 in cluster A

Actual: 1140 ft.

HAZNET:
Name: NATIONAL OILWELL VARCO
Address: 12455 ARROW RTE
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 917399601
Contact: TROY SWEARINGEN
Telephone: 7136374661
Mailing Name: Not reported
Mailing Address: 12455 ARROW RTE

Year: 2014
Gepaid: CAC002765244
TSD EPA ID: AZR000501510
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.065

Additional Info:
Year: 2014
Gen EPA ID: CAC002765244

Shipment Date: 20140319
Creation Date: 8/17/2014 22:15:12
Receipt Date: 20140401
Manifest ID: 011438091JJK
Trans EPA ID: CAR000236471
Trans Name: GREEN COMPASS ENVIRONMENTAL
Trans 2 EPA ID: CAD980585293
Trans 2 Name: INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID: AZR000501510
Trans Name: AA SYDCOL LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0625
Waste Quantity: 125
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

NATIONAL OILWELL VARCO (Continued) **S118205573**

Shipment Date:	20140319
Creation Date:	8/17/2014 22:15:12
Receipt Date:	20140401
Manifest ID:	011438091JJK
Trans EPA ID:	CAR000236471
Trans Name:	GREEN COMPASS ENVIRONMENTAL
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	NATIONAL OILWELL VARCO
Address:	12455 ARROW RTE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC002765244
Inactive Date:	06/23/2014
Create Date:	03/24/2014
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	12455 ARROW RTE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Owner Name:	NATIONAL OILWELL VARCO
Owner Address:	12455 ARROW RTE
Owner Address 2:	Not reported
Owner City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	TROY SWEARINGEN
Contact Address:	12455 ARROW RTE
Contact Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.098958
Longitude:	-117.532922

NAICS:

NATIONAL OILWELL VARCO (Continued) **S118205573**

EPA ID:	CAC002765244
Create Date:	2014-03-24 13:18:26.723
NAICS Code:	211111
NAICS Description:	Crude Petroleum and Natural Gas Extraction
Issued EPA ID Date:	2014-03-24 13:18:26.73000
Inactive Date:	2014-06-23 13:18:26.72000
Facility Name:	NATIONAL OILWELL VARCO
Facility Address:	12455 ARROW RTE
Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917399601

A101 **IWPAD INC** **WDS** **S104767080**
Target **12459 ARROW RTE** **N/A**
Property **RANCHO CUCAMONGA, CA 91739**

Site 101 of 103 in cluster A

Actual:
1140 ft.

WDS:

Name:	IWPAD INC
Address:	12459 Arrow Rte
City:	RANCHO CUCAMONGA
Facility ID:	Santa Ana River 36I003788
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	9098991673
Facility Contact:	FARRIS PATRICK S
Agency Name:	IWPAD INC
Agency Address:	PO Box 1590
Agency City,St,Zip:	Pomona 917691590
Agency Contact:	SIDELL HANS G
Agency Telephone:	9095947511
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported

IWPAD INC (Continued) **S104767080**

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

A102 **I.W.P.A.D., INC.** **EMI** **S106832892**
Target **12459 ARROW HWY** **N/A**
Property **POMONA, CA 91739**

Site 102 of 103 in cluster A

Actual: **1140 ft.**

EMI:

Name:	I.W.P.A.D., INC.
Address:	12459 ARROW HWY
City,State,Zip:	POMONA, CA 91739
Year:	1996
County Code:	36
Air Basin:	SC
Facility ID:	14434
Air District Name:	SC
SIC Code:	3315
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

A103 **AMERON INTL CONCRETE & STEEL PIPE GRP** **HAZNET** **S113180252**
Target **12455 ARROW ROUTE** **HWTS** **N/A**
Property **ETIWANDA, CA 91739**

Site 103 of 103 in cluster A

Actual: **1140 ft.**

HAZNET:

Name:	AMERON INTL CONCRETE & STEEL PIPE GRP
Address:	12455 ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 917390000
Contact:	STANTON UMBERGER/PLANT MANAGER
Telephone:	9098991716
Mailing Name:	Not reported
Mailing Address:	12455 ARROW RTE

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Year:	2014
Gepaid:	CAT080033202
TSD EPA ID:	ARD981057870
CA Waste Code:	513 - Empty containers less than 30 gallons
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.21
Year:	2014
Gepaid:	CAT080033202
TSD EPA ID:	CAT080013352
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.17
Year:	2014
Gepaid:	CAT080033202
TSD EPA ID:	ARD981057870
CA Waste Code:	-
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	Not reported
Year:	2014
Gepaid:	CAT080033202
TSD EPA ID:	ARD981057870
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	-
Tons:	0.015
Year:	2014
Gepaid:	CAT080033202
TSD EPA ID:	ARD981057870
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	-
Tons:	0.0025
Year:	2014
Gepaid:	CAT080033202
TSD EPA ID:	ARD981057870
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	0.2875
Year:	2014
Gepaid:	CAT080033202
TSD EPA ID:	ARD981057870
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.405
Year:	2014
Gepaid:	CAT080033202
TSD EPA ID:	AZD081705402
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Tons: 0.4

Year: 2014
Gepaid: CAT080033202
TSD EPA ID: CAT000613927
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.336

Year: 2014
Gepaid: CAT080033202
TSD EPA ID: ARD981057870
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.79

Click this hyperlink while viewing on your computer to access
126 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2014
Gen EPA ID: CAT080033202

Shipment Date: 20140305
Creation Date: 5/22/2014 22:14:52
Receipt Date: 20140307
Manifest ID: 012379088JJK
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 1.9
Waste Quantity: 500
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140305
Creation Date: 5/22/2014 22:14:52
Receipt Date: 20140307
Manifest ID: 012379088JJK
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.17
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140305
Creation Date:	5/22/2014 22:14:52
Receipt Date:	20140307
Manifest ID:	012379088JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.19
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140226
Creation Date:	12/29/2014 22:14:49
Receipt Date:	Not reported
Manifest ID:	006919937FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140226
Creation Date:	12/29/2014 22:14:49
Receipt Date:	Not reported
Manifest ID:	006919937FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140226
Creation Date:	12/29/2014 22:14:49
Receipt Date:	Not reported
Manifest ID:	006919937FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Additional Code 5:	Not reported
Shipment Date:	20140226
Creation Date:	12/29/2014 22:14:49
Receipt Date:	Not reported
Manifest ID:	006919937FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140225
Creation Date:	7/21/2014 22:15:06
Receipt Date:	20140310
Manifest ID:	000582017WAS
Trans EPA ID:	IND058484114
Trans Name:	HERITAGE TRANSPORT LLC-TS SIGNAL HILL
Trans 2 EPA ID:	AZR000512343
Trans 2 Name:	SRE TRANSPORT
TSDF EPA ID:	AZD081705402
Trans Name:	HERITAGE ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140213
Creation Date:	7/3/2014 22:15:07
Receipt Date:	20140213
Manifest ID:	004145012SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140213
Creation Date:	7/3/2014 22:15:07
Receipt Date:	20140213
Manifest ID:	004145012SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAT080033202

Shipment Date:	20131210
Creation Date:	5/1/2014 22:14:57
Receipt Date:	20131210
Manifest ID:	004019417SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131113
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006724696FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.525
Waste Quantity:	1050
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131113
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006724696FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035
Waste Quantity:	70

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131113
Creation Date:	3/31/2014 22:15:09
Receipt Date:	20131119
Manifest ID:	006724696FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.19
Waste Quantity:	380
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131113
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006724696FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.19
Waste Quantity:	380
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131113

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Creation Date:	3/31/2014 22:15:09
Receipt Date:	20131119
Manifest ID:	006724696FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131113
Creation Date:	3/31/2014 22:15:09
Receipt Date:	20131119
Manifest ID:	006724696FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.595
Waste Quantity:	1190
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131113
Creation Date:	3/31/2014 22:15:09
Receipt Date:	20131119
Manifest ID:	006724696FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.64
Waste Quantity:	1280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131113
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006724696FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.4
Waste Quantity:	2800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131113
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006724696FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAT080033202
Shipment Date:	20121219
Creation Date:	4/21/2013 22:15:04
Receipt Date:	20121219
Manifest ID:	003685359SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.315
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121015
Creation Date:	3/21/2013 22:15:13
Receipt Date:	20121015
Manifest ID:	003429491SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121002
Creation Date:	4/3/2013 22:15:07
Receipt Date:	20121009
Manifest ID:	004683695FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121002
Creation Date:	4/3/2013 22:15:07
Receipt Date:	20121009
Manifest ID:	004683695FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121002
Creation Date:	4/3/2013 22:15:07
Receipt Date:	20121009
Manifest ID:	004683695FLE
Trans EPA ID:	NJD986607380

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.165
Waste Quantity:	330
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121002
Creation Date:	4/3/2013 22:15:07
Receipt Date:	20121009
Manifest ID:	004683695FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.95
Waste Quantity:	1900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121002
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121016
Manifest ID:	005130097FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENV INC - HOUSTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121002
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004683695FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.17
Waste Quantity:	340
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121002
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004683695FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Shipment Date:	20120806
Creation Date:	1/13/2013 22:15:06
Receipt Date:	20120806
Manifest ID:	003056819SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAT080033202
Shipment Date:	20111221
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004684722FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111221
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004684722FLE

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.49
Waste Quantity:	980
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111221
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120103
Manifest ID:	004684722FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.28
Waste Quantity:	560
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111221
Creation Date:	7/16/2012 20:30:17
Receipt Date:	20120117
Manifest ID:	004684724FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD000838896
Trans Name:	VEOLIA ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

RCRA Code:	D003
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111221
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120103
Manifest ID:	004684722FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111221
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120104
Manifest ID:	004684723FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENV INC - HOUSTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Additional Code 5:	Not reported
Shipment Date:	20111221
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120103
Manifest ID:	004684722FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.9
Waste Quantity:	3800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111221
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120103
Manifest ID:	004684722FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.13
Waste Quantity:	260
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111026
Creation Date:	4/11/2012 20:30:23
Receipt Date:	20111026
Manifest ID:	002704919SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110817
Creation Date:	2/9/2012 20:30:13
Receipt Date:	20110817
Manifest ID:	004268774FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAT080033202

Shipment Date:	20101117
Creation Date:	4/27/2011 18:30:18
Receipt Date:	20101117
Manifest ID:	003661059FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100903
Creation Date:	2/1/2011 18:30:18
Receipt Date:	20100903
Manifest ID:	000341588CEX
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.189
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100806
Creation Date:	1/27/2011 18:30:23
Receipt Date:	20100809
Manifest ID:	003219216FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.65
Waste Quantity:	1300

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100806
Creation Date:	1/27/2011 18:30:23
Receipt Date:	20100809
Manifest ID:	003219216FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100806
Creation Date:	1/27/2011 18:30:23
Receipt Date:	20100809
Manifest ID:	003219216FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.475
Waste Quantity:	950
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100806
Creation Date:	1/27/2011 18:30:23

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Receipt Date:	20100809
Manifest ID:	003219216FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100510
Creation Date:	1/19/2011 18:30:07
Receipt Date:	20100516
Manifest ID:	003212970FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0575
Waste Quantity:	115
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100510
Creation Date:	1/19/2011 18:30:07
Receipt Date:	20100516
Manifest ID:	003212970FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100510
Creation Date:	1/19/2011 18:30:07
Receipt Date:	20100516
Manifest ID:	003212970FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.135
Waste Quantity:	270
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100510
Creation Date:	1/14/2011 18:30:17
Receipt Date:	20100526
Manifest ID:	003212935FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD000838896
Trans Name:	VEOLIA ENVIRONMENTAL SERVICES LLC - PORT ARTHUR
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D003
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAT080033202
Shipment Date:	20091218
Creation Date:	6/29/2010 18:30:46
Receipt Date:	20091218
Manifest ID:	002354042SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.315
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091103
Creation Date:	5/20/2010 18:30:26
Receipt Date:	20091106
Manifest ID:	002896462FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.05
Waste Quantity:	2100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Shipment Date:	20091103
Creation Date:	5/20/2010 18:30:26
Receipt Date:	20091106
Manifest ID:	002896462FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.425
Waste Quantity:	850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091103
Creation Date:	5/20/2010 18:30:26
Receipt Date:	20091106
Manifest ID:	002896462FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.12
Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091103
Creation Date:	5/20/2010 18:30:26
Receipt Date:	20091106
Manifest ID:	002896462FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090803
Creation Date:	1/8/2010 18:30:28
Receipt Date:	20090803
Manifest ID:	002013252SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090731
Creation Date:	1/8/2010 18:30:28
Receipt Date:	20090805
Manifest ID:	002893950FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	OHD980613541
Trans Name:	HERITAGE-WTI INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0125
Waste Quantity:	25

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090731
Creation Date:	1/8/2010 18:30:42
Receipt Date:	20090803
Manifest ID:	002893946FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090731
Creation Date:	1/8/2010 18:30:28
Receipt Date:	20090805
Manifest ID:	002893950FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	OHD980613541
Trans Name:	HERITAGE-WTI INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090731
Creation Date:	1/8/2010 18:30:42

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Receipt Date:	20090803
Manifest ID:	002893946FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.95
Waste Quantity:	1900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAT080033202
Shipment Date:	20081209
Creation Date:	4/16/2009 18:30:10
Receipt Date:	20081211
Manifest ID:	002520031FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.16
Waste Quantity:	320
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081209
Creation Date:	4/16/2009 18:30:10
Receipt Date:	20081211
Manifest ID:	002520031FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081209
Creation Date:	4/16/2009 18:30:10
Receipt Date:	20081211
Manifest ID:	002520031FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.55
Waste Quantity:	1100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081209
Creation Date:	4/16/2009 18:30:10
Receipt Date:	20081211
Manifest ID:	000566462JJK
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081209
Creation Date:	4/16/2009 18:30:10
Receipt Date:	20081211
Manifest ID:	002520031FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081013
Creation Date:	4/8/2009 18:30:08
Receipt Date:	20081114
Manifest ID:	002518706FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	LA0000365668
Trans Name:	LEI (LAMP ENVIRONMENTAL INDUSTRIES)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.13885
Waste Quantity:	126
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Shipment Date:	20081013
Creation Date:	3/30/2009 18:30:08
Receipt Date:	20081020
Manifest ID:	002518703FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081013
Creation Date:	3/30/2009 18:30:08
Receipt Date:	20081020
Manifest ID:	002518703FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081013
Creation Date:	3/30/2009 18:30:08
Receipt Date:	20081020
Manifest ID:	002518703FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.495
Waste Quantity:	990
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002518703FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAT080033202

Shipment Date:	20071218
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20071228
Manifest ID:	001615511FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071218
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20071228
Manifest ID:	001615512FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071218
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20071228
Manifest ID:	001615511FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Shipment Date:	20071218
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20071228
Manifest ID:	001615511FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.085
Waste Quantity:	170
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071218
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20071228
Manifest ID:	001615512FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071218
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20071228
Manifest ID:	001615511FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071218
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20071228
Manifest ID:	001615513FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071218
Creation Date:	5/21/2008 18:30:21
Receipt Date:	20071228
Manifest ID:	001615513FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071026
Creation Date:	3/18/2008 18:30:24
Receipt Date:	20071026
Manifest ID:	000644221SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071012
Creation Date:	3/18/2008 18:30:19
Receipt Date:	20071021
Manifest ID:	001608301FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Gen EPA ID:	CAT080033202
Shipment Date:	20061211
Creation Date:	3/30/2007 13:34:23
Receipt Date:	20061211
Manifest ID:	000158878SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061011
Creation Date:	3/30/2007 13:31:59
Receipt Date:	20061011
Manifest ID:	001454145JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENV SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061009
Creation Date:	3/30/2007 13:31:46
Receipt Date:	20061009
Manifest ID:	000819846JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC 717201
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060731
Creation Date:	9/17/2006 18:33:10
Receipt Date:	20060731
Manifest ID:	25028833
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060606
Creation Date:	8/24/2006 18:33:57
Receipt Date:	20060609
Manifest ID:	25178161
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Meth Code:	- Not reported
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060606
Creation Date:	8/24/2006 18:33:57
Receipt Date:	20060609
Manifest ID:	25178328
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060606
Creation Date:	8/24/2006 18:33:57
Receipt Date:	20060609
Manifest ID:	25178328
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Shipment Date:	20060606
Creation Date:	8/24/2006 18:33:57
Receipt Date:	20060609
Manifest ID:	25178161
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060606
Creation Date:	8/24/2006 18:33:57
Receipt Date:	20060609
Manifest ID:	25178161
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060606
Creation Date:	8/24/2006 18:33:57
Receipt Date:	20060609
Manifest ID:	25178161
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAT080033202
Shipment Date:	20051213
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20051219
Manifest ID:	24848649
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.408
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051213
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20051219
Manifest ID:	24848646
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Meth Code:	- Not reported
Quantity Tons:	0.272
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051213
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20051219
Manifest ID:	24848646
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.19
Waste Quantity:	380
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051213
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20051219
Manifest ID:	24848646
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Shipment Date:	20051213
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20051219
Manifest ID:	24848646
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051104
Creation Date:	3/14/2007 18:30:14
Receipt Date:	20051104
Manifest ID:	24575832
Trans EPA ID:	CAR000111286
Trans Name:	GOLDEN STATE ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051025
Creation Date:	5/24/2006 18:31:13
Receipt Date:	20051025
Manifest ID:	24741710
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.378
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050823
Creation Date:	11/23/2005 18:30:57
Receipt Date:	20050823
Manifest ID:	23670484
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.378
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050616
Creation Date:	8/17/2005 18:33:44
Receipt Date:	20050616
Manifest ID:	24500831
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.441
Waste Quantity:	105
Quantity Unit:	G

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050418
Creation Date:	6/9/2005 18:31:04
Receipt Date:	20050418
Manifest ID:	23664831
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.378
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	AMERON INTL CONCRETE & STEEL PIPE GRP
Address:	12455 ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAT080033202
Inactive Date:	06/30/2014
Create Date:	07/23/1982
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	12455 ARROW RTE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 917399601
Owner Name:	AMERON INTERNATIONAL INC
Owner Address:	245 SOUTH LOS ROBLES AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	PASADENA, CA 911012894
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	STANTON UMBERGER/PLANT MANAGER
Contact Address:	12455 ARROW ROUTE
Contact Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917390000
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT

AMERON INTL CONCRETE & STEEL PIPE GRP (Continued) **S113180252**

Category:	FEDERAL
Latitude:	34.09907
Longitude:	-117.533901

NAICS:

EPA ID:	CAT080033202
Create Date:	2002-03-14 16:36:30.000
NAICS Code:	3273
NAICS Description:	Cement and Concrete Product Manufacturing
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	2014-06-30 00:00:00
Facility Name:	AMERON INTL CONCRETE & STEEL PIPE GRP
Facility Address:	12455 ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000

EPA ID:	CAT080033202
Create Date:	2003-10-24 07:19:00.000
NAICS Code:	32739
NAICS Description:	Other Concrete Product Manufacturing
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	2014-06-30 00:00:00
Facility Name:	AMERON INTL CONCRETE & STEEL PIPE GRP
Facility Address:	12455 ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000

B104 **PARALLEL PRODUCTS OF CALIFORNIA** **PFAS ECHO** **1027402030**
NNW **N/A**
< 1/8 **RANCHO CUCAMONGA, CA**
0.009 mi.
46 ft. **Site 1 of 8 in cluster B**

Relative:
Higher

Actual:
1162 ft.

PFAS ECHO:

Name:	PARALLEL PRODUCTS OF CALIFORNIA
Address:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA
Latitude:	34.09908
Longitude:	-117.536523
Count:	1
County:	SAN BERNARDINO
Status:	Inactive
Region:	09
Industry:	Chemical Mfg
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110001167460
Facility Percent Minority:	67.549
Facility Derived Tribes:	San Manuel Band of Mission Indians, California - 17.8 mile(s), San Manuel Band of Mission Indians, California - 18 mile(s)
Facility Population:	3422.33
EPA Programs:	CAA; CWA
Federal Facility:	No

PARALLEL PRODUCTS OF CALIFORNIA (Continued) **1027402030**

Federal Agency:	-
Facility FIPS Code:	06071
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18070203
Facility Derived WBD:	180702030804
Facility Derived CD113:	31
Facility Derived CB2010:	060710022071022
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	10/24/2003
Facility Days Last Inspection:	7,092
Facility Informal Count:	0
Facility Date Last Informal Action:	4/8/2005
Facility Formal Action Count:	0
Facility Date Last Formal Action:	5/23/2005
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	5/23/2005
Facility Last Penalty AMT:	10,000
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	Y
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	Y
GHG Flag:	N
AIR IDS:	CASCA00006071CA070
CAA Permit Types:	Minor Emissions
CAA NAICS:	325193
CAA SICS:	2869
NPDES IDS:	CA8000386 CAZ213639
CWA Permit Types:	Minor
CWA NAICS:	-
CWA SICS:	2869
RCRA IDS:	-
RCRA Permit Types:	-
RCRA NAICS:	-
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	91739SLPRL12281
TRI Releases Transfers:	Not reported
TRI On Site Releases:	0
TRI Off Site Transfers:	0
TRI Reporter:	Y
Facility IMP Water Flag:	Y
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-117.536523,%22y%22:34.09908,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

C105 **STEELCASE RANCHO** **San Bern. Co. Permit** **S125423969**
North **12400 ARROW RTE** **CERS** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.020 mi.
107 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
1166 ft.

San Bern. Co. Permit:
Name: STEELCASE RANCHO
Address: 12400 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0018478
Owner: Steelcase Inc.
Permit Number: PT0039931
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 02/28/2024

CERS:
Name: STEELCASE RANCHO
Address: 12400 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 556305
CERS ID: 10824025
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 556305
Site Name: Steelcase Rancho
Violation Date: 09-14-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 10/20/2021. OBSERVATION: The site map submitted on 1/27/2021 is missing emergency shut-off (water, electric and gas) and emergency equipment (absorbent). CORRECTIVE ACTION: Submit an accurate and complete site map via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 556305
Site Name: Steelcase Rancho
Violation Date: 09-14-2021
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 10/21/2021. OBSERVATION: (13) 8 gallon cylinders of propane were not reported in CERS. CORRECTIVE ACTION: Update the required business plan information via CERS. Your CERS ID number is 10824025.
Violation Division: San Bernardino County Fire Department

STEELCASE RANCHO (Continued) **S125423969**

Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Alex Barsamian
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 901 44th st SE
Affiliation City: Grand Rapids
Affiliation State: MI
Affiliation Country: Not reported
Affiliation Zip: 49508
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Alex Barsamian
Entity Title: Safety Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Steelcase Inc

STEELCASE RANCHO (Continued) **S125423969**

Entity Title:	Not reported
Affiliation Address:	901 44th st SE
Affiliation City:	Grand Rapids
Affiliation State:	MI
Affiliation Country:	United States
Affiliation Zip:	49508
Affiliation Phone:	(616) 862-4777,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Security
Entity Title:	Not reported
Affiliation Address:	901 44th st SE
Affiliation City:	Grand Rapids
Affiliation State:	MI
Affiliation Country:	Not reported
Affiliation Zip:	49508
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Steelcase Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(616) 247-3344,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Steelcase California RDC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Steelcase Inc
Entity Title:	Not reported
Affiliation Address:	901 44th st SE
Affiliation City:	Grand Rapids
Affiliation State:	MI
Affiliation Country:	United States
Affiliation Zip:	49508
Affiliation Phone:	(616) 247-3344,

C106 **STEELCASE INC.** **RCRA NonGen / NLR** **1027693634**
North **12400 ARROW RTE** **CAC003236314**
< 1/8 **RANCHO CUCAMONGA, CA 91731**
0.020 mi.
107 ft. **Site 2 of 2 in cluster C**

Relative: **Higher**

Actual: **1166 ft.**

RCRA Listings:

Date Form Received by Agency:	20230608
Handler Name:	Steelcase Inc.
Handler Address:	12400 ARROW RTE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91731
EPA ID:	CAC003236314
Contact Name:	LUYAO LI
Contact Address:	12400 ARROW RTE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91731
Contact Telephone:	947-985-0320
Contact Fax:	Not reported
Contact Email:	LLI1@STEELCASE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12400 ARROW RTE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91731
Owner Name:	Steelcase Inc.
Owner Type:	Other
Operator Name:	Luyao Li
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

STEELCASE INC. (Continued) **1027693634**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: STEELCASE INC.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12400 ARROW RTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91731
Owner/Operator Telephone:	909-648-6972
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: LUYAO LI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12400 ARROW RTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91731
Owner/Operator Telephone:	947-985-0320
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20230608
Handler Name: STEELCASE INC.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

STEELCASE INC. (Continued) **1027693634**

List of NAICS Codes and Descriptions:
NAICS Code: 423210
NAICS Description: FURNITURE MERCHANT WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B107 **PARALLEL PRODUCTS** **CPS-SLIC** **1004443044**
NNW **12281 ARROW ROUTE** **HIST UST** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **ICIS**
0.037 mi. **US AIRS**
197 ft. **Site 2 of 8 in cluster B** **EMI**

Relative: Higher
Actual: 1163 ft.

SLIC REG 8:
Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City: RANCHO CUCAMONGA
Type: Soil and Groundwater
Facility Status: Closed
Staff: XXX
Substance: TDS, BOD
Lead Agency: Regional Board
Location Code: Not reported
Thomas Bros Code: Not reported

HIST UST:
Name: DBA BROOKSIDE VINEYARD COMPANY
Address: 12281 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
File Number: 00029a6c
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00029a6c.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

PARALLEL PRODUCTS (Continued) **1004443044**

Click here for Geo Tracker PDF:

ICIS:

Enforcement Action ID:	HQ-1998-5501
FRS ID:	110001167460
Action Name:	PARALLEL PRODUCTS
Facility Name:	PARALLEL PRODUCTS
Facility Address:	12281 ARROW ROUTE RANCHO CUCAMONGA, CA 917399601
Enforcement Action Type:	TSCA 16 Action For Penalty
Facility County:	SAN BERNARDINO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	16
Facility SIC Code:	2869
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.099078
Longitude in Decimal Degrees:	-117.537724
Permit Type Desc:	Not reported
Program System Acronym:	4489
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006071CA07000005
FRS ID:	110001167460
Action Name:	PARALLEL PRODUCTS 06071CA07000005
Facility Name:	PARALLEL PRODUCTS
Facility Address:	12281 ARROW ROUTE RANCHO CUCAMONGA, CA 917399601
Enforcement Action Type:	Administrative Order
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2869
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.099076
Longitude in Decimal Degrees:	-117.536331
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006071CA070
Facility NAICS Code:	325193
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006071CA07000004
FRS ID:	110001167460
Action Name:	PARALLEL PRODUCTS 06071CA07000004
Facility Name:	PARALLEL PRODUCTS
Facility Address:	12281 ARROW ROUTE RANCHO CUCAMONGA, CA 917399601
Enforcement Action Type:	Notice of Violation
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2869
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.099076

PARALLEL PRODUCTS (Continued) **1004443044**

Longitude in Decimal Degrees: -117.536331
Permit Type Desc: Not reported
Program System Acronym: CASCA00006071CA070
Facility NAICS Code: 325193
Tribal Land Code: Not reported

US AIRS MINOR:
Envid: 1004443044
Region Code: 09
Programmatic ID: AIR CASCA00006071CA070
Facility Registry ID: 110001167460
D and B Number: Not reported
Primary SIC Code: 2869
NAICS Code: 325193
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

EMI:
Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA
Year: 1995
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17
Reactive Organic Gases Tons/Yr: 12
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 9
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1

Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA
Year: 1996
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 2

PARALLEL PRODUCTS (Continued) **1004443044**

NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA
Year:	1997
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA
Year:	1998
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA
Year:	1999
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

PARALLEL PRODUCTS (Continued) **1004443044**

Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 6
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA
Year: 2000
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 6
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA
Year: 2001
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 4
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA
Year: 2002
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869

PARALLEL PRODUCTS (Continued) **1004443044**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	4
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA
Year:	2003
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	4
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA
Year:	2004
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.52667
Reactive Organic Gases Tons/Yr:	9.11
Carbon Monoxide Emissions Tons/Yr:	4.19
NOX - Oxides of Nitrogen Tons/Yr:	4.99
SOX - Oxides of Sulphur Tons/Yr:	0.0299
Particulate Matter Tons/Yr:	0.379
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.38

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA
Year:	2005
County Code:	36
Air Basin:	SC

PARALLEL PRODUCTS (Continued) **1004443044**

Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.331315
Reactive Organic Gases Tons/Yr:	2.206393477
Carbon Monoxide Emissions Tons/Yr:	3.260175
NOX - Oxides of Nitrogen Tons/Yr:	1.93065
SOX - Oxides of Sulphur Tons/Yr:	.026343
Particulate Matter Tons/Yr:	.295035
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.29503325

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA
Year:	2006
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.786267008884308552
Reactive Organic Gases Tons/Yr:	2.409
Carbon Monoxide Emissions Tons/Yr:	3.154
NOX - Oxides of Nitrogen Tons/Yr:	2.359
SOX - Oxides of Sulphur Tons/Yr:	.027
Particulate Matter Tons/Yr:	13.793
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.7451

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA
Year:	2007
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.755898849385258545
Reactive Organic Gases Tons/Yr:	2.409
Carbon Monoxide Emissions Tons/Yr:	3.154
NOX - Oxides of Nitrogen Tons/Yr:	2.359
SOX - Oxides of Sulphur Tons/Yr:	.027
Particulate Matter Tons/Yr:	13.793
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.7451

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739

PARALLEL PRODUCTS (Continued) **1004443044**

Year:	2008
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.887741682165977574
Reactive Organic Gases Tons/Yr:	2.59722433834568511
Carbon Monoxide Emissions Tons/Yr:	3.34
NOX - Oxides of Nitrogen Tons/Yr:	1.97
SOX - Oxides of Sulphur Tons/Yr:	.0264074775
Particulate Matter Tons/Yr:	13.76
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.719

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2009
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.754980102189309
Reactive Organic Gases Tons/Yr:	0.596835
Carbon Monoxide Emissions Tons/Yr:	1.3999999999999999
NOX - Oxides of Nitrogen Tons/Yr:	0.39000000000000001
SOX - Oxides of Sulphur Tons/Yr:	1.6681999999999999E-2
Particulate Matter Tons/Yr:	13.630000000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.5890000000000004

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2010
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.95507170826575605
Reactive Organic Gases Tons/Yr:	0.57391091160062702
Carbon Monoxide Emissions Tons/Yr:	2.0721400000000001
NOX - Oxides of Nitrogen Tons/Yr:	1.0159400000000001
SOX - Oxides of Sulphur Tons/Yr:	0.02401
Particulate Matter Tons/Yr:	13.766679999999999
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.7201120000000003

PARALLEL PRODUCTS (Continued) **1004443044**

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2011
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0982897836
Reactive Organic Gases Tons/Yr:	0.51639999088
Carbon Monoxide Emissions Tons/Yr:	1.72774
NOX - Oxides of Nitrogen Tons/Yr:	1.85924
SOX - Oxides of Sulphur Tons/Yr:	0.02271
Particulate Matter Tons/Yr:	13.74954
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.702969

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2012
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.2222240672
Reactive Organic Gases Tons/Yr:	0.767083004
Carbon Monoxide Emissions Tons/Yr:	2.8301
NOX - Oxides of Nitrogen Tons/Yr:	4.98775
SOX - Oxides of Sulphur Tons/Yr:	0.04025
Particulate Matter Tons/Yr:	13.95697
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.912478

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2013
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0781010022
Reactive Organic Gases Tons/Yr:	0.61838594452
Carbon Monoxide Emissions Tons/Yr:	2.12494
NOX - Oxides of Nitrogen Tons/Yr:	1.30759
SOX - Oxides of Sulphur Tons/Yr:	0.02638

PARALLEL PRODUCTS (Continued) **1004443044**

Particulate Matter Tons/Yr: 13.78955
Part. Matter 10 Micrometers and Smllr Tons/Yr: 9.742982

Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2014
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.5679892682
Reactive Organic Gases Tons/Yr: 1.1152902783
Carbon Monoxide Emissions Tons/Yr: 1.07012
NOX - Oxides of Nitrogen Tons/Yr: 1.48523
SOX - Oxides of Sulphur Tons/Yr: 0.02438
Particulate Matter Tons/Yr: 0.82272
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.666684

Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2015
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.6605146798
Reactive Organic Gases Tons/Yr: 2.127714601
Carbon Monoxide Emissions Tons/Yr: 1.2409545
NOX - Oxides of Nitrogen Tons/Yr: 1.73214862
SOX - Oxides of Sulphur Tons/Yr: 0.0272107
Particulate Matter Tons/Yr: 13.8253405
Part. Matter 10 Micrometers and Smllr Tons/Yr: 9.7808455

Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2016
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.72992105147
Reactive Organic Gases Tons/Yr: 0.265513242

PARALLEL PRODUCTS (Continued) **1004443044**

Carbon Monoxide Emissions Tons/Yr:	1.21
NOX - Oxides of Nitrogen Tons/Yr:	1.41
SOX - Oxides of Sulphur Tons/Yr:	0.02508716
Particulate Matter Tons/Yr:	13.81
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.766

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2017
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.68108658647
Reactive Organic Gases Tons/Yr:	0.242581436
Carbon Monoxide Emissions Tons/Yr:	0.9
NOX - Oxides of Nitrogen Tons/Yr:	1.38
SOX - Oxides of Sulphur Tons/Yr:	0.02667709
Particulate Matter Tons/Yr:	13.8
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.756

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2018
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.78022606477
Reactive Organic Gases Tons/Yr:	0.306106716
Carbon Monoxide Emissions Tons/Yr:	1.0108385
NOX - Oxides of Nitrogen Tons/Yr:	1.2418905
SOX - Oxides of Sulphur Tons/Yr:	0.030731579
Particulate Matter Tons/Yr:	0.402036
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.39799185

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2019
County Code:	36
Air Basin:	SC
Facility ID:	50300
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

PARALLEL PRODUCTS (Continued) **1004443044**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.77750467224
Reactive Organic Gases Tons/Yr: 0.29972238245
Carbon Monoxide Emissions Tons/Yr: 0.955507
NOX - Oxides of Nitrogen Tons/Yr: 1.280344
SOX - Oxides of Sulphur Tons/Yr: 0.02983663072
Particulate Matter Tons/Yr: 13.858849
Part. Matter 10 Micrometers and Smllr Tons/Yr: 9.814354

Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2020
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.71983679793
Reactive Organic Gases Tons/Yr: 0.279012296
Carbon Monoxide Emissions Tons/Yr: 2.06
NOX - Oxides of Nitrogen Tons/Yr: 1.11
SOX - Oxides of Sulphur Tons/Yr: 0.02934948
Particulate Matter Tons/Yr: 13.83
Part. Matter 10 Micrometers and Smllr Tons/Yr: 9.786

Name: PARALLEL PRODUCTS
Address: 12281 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Year: 2021
County Code: 36
Air Basin: SC
Facility ID: 50300
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.70401858967
Reactive Organic Gases Tons/Yr: 0.259362635
Carbon Monoxide Emissions Tons/Yr: 1.778174964
NOX - Oxides of Nitrogen Tons/Yr: 1.090972507
SOX - Oxides of Sulphur Tons/Yr: 0.025902988
Particulate Matter Tons/Yr: 13.8090104
Part. Matter 10 Micrometers and Smllr Tons/Yr: 9.7645184

B108 **DBA BROOKSIDE VINEYARD COMPANY** **HIST UST** **U001569537**
NNW **12281 ARROW RTE** **N/A**
< 1/8 **ETIWANDA, CA 91739**
0.037 mi.
197 ft. **Site 3 of 8 in cluster B**

Relative:
Higher

Actual:
1163 ft.

HIST UST:

Name:	DBA BROOKSIDE VINEYARD COMPANY
Address:	12281 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000019723
Facility Type:	Other
Other Type:	WINERY
Contact Name:	R.A. GODKNECHT
Telephone:	7149832787
Owner Name:	BROOKSIDE ENTERPRISES, INC.
Owner Address:	2801 E. GUASTI ROAD
Owner City,St,Zip:	GUASTI, CA 91743
Total Tanks:	0001
Tank Num:	001
Container Num:	100F
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

B109 **PARALLEL PRODUCTS** **SWEEPS UST** **1000149131**
NNW **12281 ARROW RR** **CA FID UST** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.037 mi.
197 ft. **Site 4 of 8 in cluster B**

Relative:
Higher

Actual:
1163 ft.

SWEEPS UST:

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW RR
City:	RANCHO CUCAMONGA
Status:	Active
Comp Number:	19723
Number:	9
Board Of Equalization:	44-020712
Referral Date:	09-10-91
Action Date:	09-10-91
Created Date:	02-29-88
Owner Tank Id:	100F
SWRCB Tank Id:	36-000-019723-000001
Tank Status:	A
Capacity:	550
Active Date:	07-11-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2
Name:	PARALLEL PRODUCTS

PARALLEL PRODUCTS (Continued) **1000149131**

Address:	12281 ARROW RR
City:	RANCHO CUCAMONGA
Status:	Active
Comp Number:	19723
Number:	9
Board Of Equalization:	44-020712
Referral Date:	09-10-91
Action Date:	09-10-91
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-019723-000002
Tank Status:	A
Capacity:	10000
Active Date:	07-11-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	36008762
Regulated By:	UTNKA
Regulated ID:	00019723
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	12281 ARROW HWY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RANCHO CUCAMONGA 91739
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

B110 **PARALLEL PRODUCTS** **RCRA-LQG** **1007199509**
NNW **12281 ARROW ROUTE** **CAD981626682**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.037 mi.
197 ft. **Site 5 of 8 in cluster B**

Relative: **Higher**

Actual: **1163 ft.**

RCRA Listings:

Date Form Received by Agency:	20020207
Handler Name:	Parallel Products
Handler Address:	12281 ARROW ROUTE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9601
EPA ID:	CAD981626682
Contact Name:	RENE SILVA
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	909-980-1200 x224
Contact Fax:	Not reported
Contact Email:	RENES@PARALLELPRODUCTS.COM
Contact Title:	Not reported

PARALLEL PRODUCTS (Continued) **1007199509**

EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2001
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12281 ARROW ROUTE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9601
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20031006
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

PARALLEL PRODUCTS (Continued) **1007199509**

Biennial: List of Years
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: Ignitable Waste

Historic Generators:
Receive Date: 20020207
Handler Name: PARALLEL PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 325193
NAICS Description: ETHYL ALCOHOL MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B111 **USL PARALLEL PRODUCTS OF CALIFORNIA** **FUELS PROGRAM** **1016155974**
NNW **12281 ARROW ROUTE** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.037 mi.
197 ft. **Site 6 of 8 in cluster B**

Relative:
Higher

Actual:
1163 ft.

FUELS PROGRAM:
Name: USL PARALLEL PRODUCTS OF CALIFORNIA
Address: 12281 ARROW ROUTE
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Program Type: Renewable Fuel Standard
Company Seq. ID: 4018
Business Activity: Renewable Fuel Producer
Company Name: USL PARALLEL PRODUCTS OF CALIFORNIA
Company Address: 12281 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
Facility ID: 70122
Facility Type: Gas/Ethanol
Facility Activity: Ethanol Producer
Subject to 80.1403: Yes

USL PARALLEL PRODUCTS OF CALIFORNIA (Continued) **1016155974**

Fuel Only For Off Road:	No
Fuel Created:	10
D Code:	D5
OTAQ Program ID:	OTAQREG10026813

B112 **PARALLEL PRODUCTS OF CALIF** **AST** **1008341130**
NNW **12281 ARROW RTE** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA**
0.037 mi.
197 ft. **Site 7 of 8 in cluster B**

Relative:
Higher

Actual:
1163 ft.

AST:

Name:	PARALLEL PRODUCTS OF CALIF
Address:	12281 ARROW RTE
City/Zip:	RANCHO CUCAMONGA,
Certified Unified Program Agencies:	San Bernardino
Owner:	PARALLEL PRODUCTS INC
Total Gallons:	4,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

B113 **PARALLEL PRODUCTS** **CERS HAZ WASTE** **S104574334**
NNW **12281 ARROW RTE** **ENF** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **NPDES**
0.037 mi. **San Bern. Co. Permit**
197 ft. **Site 8 of 8 in cluster B** **CIWQS**
CERS

Relative:
Higher

Actual:
1163 ft.

CERS HAZ WASTE:

Name:	PARALLEL PRODUCTS OF CALIF
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	141610

PARALLEL PRODUCTS (Continued) **S104574334**

CERS ID: 10042927
CERS Description: Hazardous Chemical Management

Name: PARALLEL PRODUCTS OF CALIF
Address: 12281 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 141610
CERS ID: 10042927
CERS Description: Hazardous Waste Generator

ENF:
Name: PARALLEL PRODUCTS RECYCLING FACILITY
Address: 12281 ARROW
City,State,Zip: RANCHO CUCAMONGA, CA
Region: 8
Facility Id: 252058
Agency Name: Not reported
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 34.09889
Place Longitude: -117.53723
SIC Code 1: 2869
SIC Desc 1: Industrial Organic Chemicals, NEC
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Enf Action
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: Not reported
Program Category1: Not reported
Program Category2: WDR
Of Programs: Not reported
WDID: Not reported
Reg Measure Id: Not reported
Reg Measure Type: Not reported
Region: Not reported
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224992
Region:	8
Order / Resolution Number:	88-155
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/28/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	1/14/1991
Termination Date:	01/14/1991
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO 88-155 for Parallel Products
Description:	GW CLEANUP
Program:	WDR
Latest Milestone Completion Date:	1/14/1991
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	PARALLEL PRODUCTS RECYCLING FACILITY
Address:	12281 ARROW
City,State,Zip:	RANCHO CUCAMONGA, CA
Region:	8
Facility Id:	252058
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.09889
Place Longitude:	-117.53723

PARALLEL PRODUCTS (Continued) **S104574334**

SIC Code 1:	2869
SIC Desc 1:	Industrial Organic Chemicals, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224971
Region:	8
Order / Resolution Number:	89-069
Enforcement Action Type:	Admin Civil Liability

PARALLEL PRODUCTS (Continued) **S104574334**

Effective Date:	04/21/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	1/7/1992
Termination Date:	01/07/1992
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 8 362303001
Description:	VIOLATION OF CAO NO. 88-155. $25,000 SUSPENDED PROVIDED POND IS EVACUATED BY 8/1/89. DID NOT COMPLY
Program:	WDR
Latest Milestone Completion Date:	1/7/1992
# Of Programs1:	1
Total Assessment Amount:	40000
Initial Assessed Amount:	0
Liability $ Amount:	40000
Project $ Amount:	0
Liability $ Paid:	40000
Project $ Completed:	0
Total $ Paid/Completed Amount:	40000

Name:	PARALLEL PRODUCTS RECYCLING FACILITY
Address:	12281 ARROW
City,State,Zip:	RANCHO CUCAMONGA, CA
Region:	8
Facility Id:	252058
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.09889
Place Longitude:	-117.53723
SIC Code 1:	2869
SIC Desc 1:	Industrial Organic Chemicals, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	223437
Region:	8
Order / Resolution Number:	LT910114
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	01/14/1991
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/14/1991
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 8 362303001
Description:	RESCINDED CAO
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	PARALLEL PRODUCTS RECYCLING FACILITY
Address:	12281 ARROW
City,State,Zip:	RANCHO CUCAMONGA, CA

PARALLEL PRODUCTS (Continued) **S104574334**

Region:	8
Facility Id:	252058
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.09889
Place Longitude:	-117.53723
SIC Code 1:	2869
SIC Desc 1:	Industrial Organic Chemicals, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224915
Region:	8
Order / Resolution Number:	89-132
Enforcement Action Type:	Admin Civil Liability
Effective Date:	08/28/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	1/1/1992
Termination Date:	01/01/1992
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACLC 89-132 for Parallel Products
Description:	VIOL. CAO 88-155. $10,000 CONDITIONALLY SUSPENDED BY BOARD. ALL SUSPENDED BY COURT (CASE NO.RCV54358
Program:	WDR
Latest Milestone Completion Date:	1/1/1992
# Of Programs1:	1
Total Assessment Amount:	20000
Initial Assessed Amount:	0
Liability $ Amount:	20000
Project $ Amount:	0
Liability $ Paid:	20000
Project $ Completed:	0
Total $ Paid/Completed Amount:	20000

Name:	PARALLEL PRODUCTS RECYCLING FACILITY
Address:	12281 ARROW
City,State,Zip:	RANCHO CUCAMONGA, CA
Region:	8
Facility Id:	252058
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.09889
Place Longitude:	-117.53723
SIC Code 1:	2869
SIC Desc 1:	Industrial Organic Chemicals, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1

PARALLEL PRODUCTS (Continued) **S104574334**

Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224829
Region:	8
Order / Resolution Number:	LT900928
Enforcement Action Type:	Formal Refer to Attorney Gen
Effective Date:	09/28/1990
Adoption/Issuance Date:	Not reported
Achieve Date:	1/1/1992
Termination Date:	01/01/1992
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	RAG 09/28/90 for Parallel Products
Description:	FOR COLLECTION OF ACL ASSESSMENT
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0

PARALLEL PRODUCTS (Continued) **S104574334**

Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

NPDES:

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I017105
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	02/22/2002
Operator Name:	Parallel Products
Operator Address:	12281 Arrow Route
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213639
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I017105
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/22/2002
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Parallel Products
Discharge Address:	12281 Arrow Route
Discharge City:	Rancho Cucamonga
Discharge State:	California

PARALLEL PRODUCTS (Continued) **S104574334**

Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213639
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I017105
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	02/22/2002
Status:	Active
Status Date:	02/22/2002
Place Size:	11
Place Size Unit:	Acres
Contact:	Carolina Fabiero
Contact Title:	E H & S Manager
Contact Phone:	909-980-1200
Contact Phone Ext:	1207
Contact Email:	CarolinaF@parallelproducts.com
Operator Name:	Parallel Products
Operator Address:	12281 Arrow Route
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Carolina Fabiero
Operator Contact Title:	E H & S Manager
Operator Contact Phone:	909-980-1200
Operator Contact Phone Ext:	1207
Operator Contact Email:	carolinaf@parallelproducts.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-980-1200
Emergency Phone Ext:	1207
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River Via Day Creek
Certifier:	Carolina Fabiero
Certifier Title:	E H & S Manager
Certification Date:	12-MAY-15
Primary Sic:	2869-Industrial Organic Chemicals, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	PARALLEL PROD
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I009516
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	11/27/1992
Operator Name:	Parallel Products
Operator Address:	12281 Arrow Route
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	288160
Order Number:	Not reported
Regulatory Measure Type:	Industrial

PARALLEL PRODUCTS (Continued) **S104574334**

Place ID:	Not reported
WDID:	8 36I009516
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	11/27/1992
Status:	Terminated
Status Date:	11/27/1992
Place Size:	11
Place Size Unit:	Acres
Contact:	Steven N Zerucha
Contact Title:	Not reported
Contact Phone:	714-980-1200
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Parallel Products
Operator Address:	12281 Arrow Route
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Richard Eastman
Operator Contact Title:	Not reported
Operator Contact Phone:	714-980-1200
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	714-980-1200
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Santa Ana River/day Creek
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	2869-Industrial Organic Chemicals, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	213639
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I017105
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/22/2002
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	12281 Arrow Route
Discharge Name:	Parallel Products
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213639
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I017105
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/22/2002
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

Discharge Name:	Parallel Products
Discharge Address:	12281 Arrow Route
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213639
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I017105
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	02/22/2002
Status:	Active
Status Date:	02/22/2002
Place Size:	11
Place Size Unit:	Acres
Contact:	Carolina Fabiero
Contact Title:	E H & S Manager
Contact Phone:	909-980-1200
Contact Phone Ext:	1207
Contact Email:	CarolinaF@parallelproducts.com
Operator Name:	Parallel Products
Operator Address:	12281 Arrow Route
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Carolina Fabiero
Operator Contact Title:	E H & S Manager
Operator Contact Phone:	909-980-1200
Operator Contact Phone Ext:	1207
Operator Contact Email:	carolinaf@parallelproducts.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-980-1200
Emergency Phone Ext:	1207
Constype Above Ground Ind:	Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River Via Day Creek
Certifier:	Carolina Fabiero
Certifier Title:	E H & S Manager
Certification Date:	12-MAY-15
Primary Sic:	2869-Industrial Organic Chemicals, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	PARALLEL PRODUCTS OF CALIF
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0005223
Owner:	Parallel Environmental Services Corporation
Permit Number:	PT0001849
Permit Category:	HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	09/30/2023

Name:	PARALLEL PRODUCTS OF CALIF
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0005223
Owner:	Parallel Environmental Services Corporation
Permit Number:	PT0020278
Permit Category:	RMP INSPECTION - PROGRAM 2
Facility Status:	ACTIVE
Expiration Date:	09/30/2023

Name:	PARALLEL PRODUCTS OF CALIF
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0005223
Owner:	Parallel Environmental Services Corporation
Permit Number:	PT0001851
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE

PARALLEL PRODUCTS (Continued) **S104574334**

Expiration Date: 09/30/2023

Name: PARALLEL PRODUCTS OF CALIF
Address: 12281 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005223
Owner: Parallel Environmental Services Corporation
Permit Number: PT0015102
Permit Category: RISK MANAGEMENT PLAN - LEVEL 2 (NB)
Facility Status: INACTIVE
Expiration Date: 09/30/2015

Name: PARALLEL PRODUCTS OF CALIF
Address: 12281 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005223
Owner: Parallel Environmental Services Corporation
Permit Number: PT0001848
Permit Category: CALARP FACILITY PERMIT
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: PARALLEL PRODUCTS OF CALIF
Address: 12281 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005223
Owner: Parallel Environmental Services Corporation
Permit Number: PT0001854
Permit Category: ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: PARALLEL PRODUCTS OF CALIF
Address: 12281 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005223
Owner: Parallel Environmental Services Corporation
Permit Number: PT0014107
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: PARALLEL PRODUCTS OF CALIF
Address: 12281 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005223
Owner: Parallel Environmental Services Corporation
Permit Number: PT0016757
Permit Category: WASTE-GENERATING RECYCLER (ONSITE)
Facility Status: INACTIVE
Expiration Date: 09/30/2013

PARALLEL PRODUCTS (Continued) **S104574334**

Name: PARALLEL PRODUCTS OF CALIF
Address: 12281 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005223
Owner: Parallel Environmental Services Corporation
Permit Number: PT0014106
Permit Category: CA ANNUAL FEE
Facility Status: INACTIVE
Expiration Date: 09/30/2009

CIWQS:

Name:	PARALLEL PRODUCTS RECYCLING FACILITY
Address:	12281 ARROW
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Parallel Products
Agency Address:	12281 Arrow Rte, Rancho Cucamonga, CA 91739
Place/Project Type:	Manufacturing NEC
SIC/NAICS:	2869
Region:	8
Program:	WDRINDIVLRG
Regulatory Measure Status:	Active
Regulatory Measure Type:	WDR
Order Number:	R8-2002-0030
WDID:	8 362303001
NPDES Number:	Not reported
Adoption Date:	07/19/2002
Effective Date:	07/19/2002
Termination Date:	Not reported
Expiration/Review Date:	07/01/2018
Design Flow:	0.0001
Major/Minor:	Minor
Complexity:	C
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09889
Longitude:	-117.53723

Name:	PARALLEL PROD
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Parallel Products
Agency Address:	12281 Arrow Route, Rancho Cucamonga, CA 91739
Place/Project Type:	Industrial - Industrial Organic Chemicals, NEC
SIC/NAICS:	2869
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I009516
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	11/27/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.0991
Longitude:	-117.53767

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Parallel Products
Agency Address:	12281 Arrow Route, Rancho Cucamonga, CA 91739
Place/Project Type:	Industrial - Industrial Organic Chemicals, NEC
SIC/NAICS:	2869
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I017105
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	02/22/2002
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.0991
Longitude:	-117.53767

CERS:

Name:	PARALLEL PRODUCTS
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	538995
CERS ID:	258901
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	538995
Site Name:	Parallel Products
Violation Date:	07-01-2013
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit Annual Report for the reporting year 2012-2013 by July 1, 2013. Annual Report 2012-2013 1st Notice of Non-Compliance was sent out on July 31, 2013.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

PARALLEL PRODUCTS (Continued) **S104574334**

Enforcement Action:

Site ID:	538995
Site Name:	Parallel Products
Site Address:	12281 ARROW RTE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	07-31-2013
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Failure to submit Annual Report for the reporting year 2012-2013 by July 1, 2013. Annual Report 2012-2013 1st Notice of Non-Compliance was sent out on July 31, 2013.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	538995
Site Name:	Parallel Products
Site Address:	12281 ARROW RTE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	07-31-2013
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Site has not submitted the 2012-2013 annual report by 07/01/2013. - 1st Notice of Non-Compliance sent on 07/31/2013, via certified mail to facility, CC to owner.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Parallel Products
Entity Title:	Operator
Affiliation Address:	12281 Arrow Route
Affiliation City:	Rancho Cucamonga
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,

Name:	PARALLEL PRODUCTS OF CALIF
Address:	12281 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	141610
CERS ID:	10042927
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	141610
Site Name:	PARALLEL PRODUCTS OF CALIF
Violation Date:	02-21-2023
Citation:	19 CCR 4.5 2755.2(f) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(f)
Violation Description:	Failure to update and revalidate the hazard review at least once every

PARALLEL PRODUCTS (Continued) **S104574334**

	5 years.
Violation Notes:	OBSERVATION: The last hazard review was conducted in August of 2017. A 5-year update/revalidation of the hazard review has not been conducted. CORRECTIVE ACTION: Submit a copy of a complete hazard review for the facility along with a list of the findings and scheduled time frames for corrective actions.
Violation Division:	San Bernardino County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	141610
Site Name:	PARALLEL PRODUCTS OF CALIF
Violation Date:	04-12-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 04/12/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	141610
Site Name:	PARALLEL PRODUCTS OF CALIF
Violation Date:	02-21-2023
Citation:	19 CCR 4.5 2755.4(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.4(e)
Violation Description:	Failure to document initial and refresher training for each employee.
Violation Notes:	OBSERVATION: Documentation of training pertaining to the operation of the anhydrous ammonia tank in the waste water treatment process, ammonia tank mechanical integrity procedures, and ammonia specific emergency response procedures. CORRECTIVE ACTION: Submit a sign in sheet or other documentation showing that employees have receive adequate training on the ammonia tank and procedures.
Violation Division:	San Bernardino County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	141610
Site Name:	PARALLEL PRODUCTS OF CALIF
Violation Date:	06-10-2014
Citation:	19 CCR 4.5 Multiple - California Code of Regulations, Title 19, Chapter 4.5, Section(s) Multiple
Violation Description:	CalARP Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/30/2014. Program 2 Prevention Program implemented (CCR 2735.5(e)(3))
Violation Division:	San Bernardino County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	141610
Site Name:	PARALLEL PRODUCTS OF CALIF
Violation Date:	03-06-2020
Citation:	19 CCR 4.5 2745.10(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.10(b)
Violation Description:	Failure to revise, update, and submit the Risk Management Plan to the UPA as follows: 1. At least once every five years from the date of its

PARALLEL PRODUCTS (Continued) **S104574334**

initial submission or most recent update required by section 2745.10(b)(2) through (7); 2. No later than three years after a newly regulated substance is first listed by the California Office of Emergency Services. 3. No later than the date on which a new regulated substance is first present in an already covered process above a threshold quantity; 4. No later than the date on which a regulated substance is first present above a threshold quantity in a new process; 5. Within six months of a change that requires a revised process hazard analysis or hazard Review. 6. Within six months of a change that requires a revised offsite consequence analysis as provided in section 2750.7; 7. Within six months of a change that alters the program level that applied to any covered process.

Violation Notes: Returned to compliance on 05/04/2020. OBSERVATION: The owner/operator failed to revise, update, and submit the Risk Management Plan to the CUPA at least once every five years from the date of its initial submission or most recent update required by section 2745.10(b)(2) through (7). The last submission was 8/22/2014. CORRECTIVE ACTION: Revise, update, and submit a copy of the Risk Management Plan to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 141610
Site Name: PARALLEL PRODUCTS OF CALIF
Violation Date: 03-06-2020
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(a)
Violation Description: Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: 1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR; 2. Maximum intended inventory of equipment in which the regulated substances are stored or processed; 3. Safe upper and lower temperatures, pressures, flows and compositions; 4. Equipment specifications; 5. Codes and standards used to design, build & operate the process.
Violation Notes: Returned to compliance on 05/04/2020. OBSERVATION: The owner/operator failed to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: Material Safety Data Sheets related to the regulated substance(s); maximum intended inventory of equipment in which the regulated substances are stored or processed; safe upper and lower temperatures, pressures, flows and compositions; equipment specifications; Codes and standards used to design, build & operate the process. CORRECTIVE ACTION: Submit a copy of the following up-to-date safety information related to the regulated substances, processes, and equipment to the CUPA: Material Safety Data Sheets related to the regulated substance(s); maximum intended inventory of equipment in which the regulated substances are stored or processed; safe upper and lower temperatures, pressures, flows and compositions; equipment specifications; Codes and standards used to design, build & operate the process.
Violation Division: San Bernardino County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 141610

PARALLEL PRODUCTS (Continued) **S104574334**

Site Name:	PARALLEL PRODUCTS OF CALIF
Violation Date:	04-12-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 04/12/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	141610
Site Name:	PARALLEL PRODUCTS OF CALIF
Violation Date:	02-21-2023
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	OBSERVATION: Documentation of annual emergency response evacuation procedures training was not available for review. CORRECTIVE ACTION: Submit a sign in sheet or other documentation showing that all employees have received adequate training pertaining to emergency evacuation procedures.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	141610
Site Name:	PARALLEL PRODUCTS OF CALIF
Violation Date:	03-06-2020
Citation:	19 CCR 4.5 2755.1(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(b)
Violation Description:	Failure to ensure that the process is designed in compliance with recognized and generally accepted good engineering practices.
Violation Notes:	Returned to compliance on 05/04/2020. OBSERVATION: The owner/operator failed to ensure that the process is designed in compliance with recognized and generally accepted good engineering practices. Equipment and valves were not identified or tagged. Piping paint and flow direction was not in place. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating you have ensured that the process is designed in compliance with recognized and generally accepted good engineering practices.
Violation Division:	San Bernardino County Fire Department
Violation Program:	CalARP
Violation Source:	CERS,
Site ID:	141610
Site Name:	PARALLEL PRODUCTS OF CALIF
Violation Date:	06-10-2014
Citation:	19 CCR 4.5 Multiple - California Code of Regulations, Title 19, Chapter 4.5, Section(s) Multiple
Violation Description:	CalARP Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 09/30/2014. P2 Comp audit cond ev 3 yrs & corr doc. 2 retained (CCR 2755.6)

PARALLEL PRODUCTS (Continued) **S104574334**

Violation Division: San Bernardino County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 141610
Site Name: PARALLEL PRODUCTS OF CALIF
Violation Date: 06-10-2014
Citation: HSC 6.95 25510 - California Health and Safety Code, Chapter 6.95, Section(s) 25510
Violation Description: Failure to update hazardous material inventory within 30 days when one of the following occurs: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 06/15/2015.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 141610
Site Name: PARALLEL PRODUCTS OF CALIF
Violation Date: 03-06-2020
Citation: 19 CCR 4.5 2755.2(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(d)
Violation Description: Failure to include the consideration of external events, including seismic events.
Violation Notes: Returned to compliance on 05/13/2020. OBSERVATION: The owner/operator failed to include the consideration of external events, including seismic events in the hazard review. A current seismic assessment following Region 1 Local Emergency Planning Committee guidance was not avaialble at the time of the inspection. CORRECTIVE ACTION: Submit a copy of the seismic assessment the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 141610
Site Name: PARALLEL PRODUCTS OF CALIF
Violation Date: 02-21-2023
Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)
Violation Description: Failure to certify that they have evaluated compliance with the provisions of 19 CCR 4.5 Article 5 at least every three years to verify that the procedures and practices developed under 19 CCR 4.5 are adequate and are being followed.
Violation Notes: OBSERVATION: A compliance audit meeting the requirements of 19 CCR 2755.6 has not been conducted within the last three years. CORRECTIVE ACTION: Submit a copy of a report for a completed CalARP compliance audit along with a list of findings/resolutions and time frames for corrective actions.
Violation Division: San Bernardino County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Site ID: 141610
Site Name: PARALLEL PRODUCTS OF CALIF
Violation Date: 03-06-2020

PARALLEL PRODUCTS (Continued) **S104574334**

Citation: 19 CCR 4.5 2750.1 - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2750.1
Violation Description: Failure to comply with any of the following: 1. Offsite Consequence Analysis Parameters. (19 CCR 4.5 2750.2) 2. Worst-Case Release Scenario Analysis. (19 CCR 4.5 2750.3) 3. Alternative Release Scenario Analysis. (19 CCR 4.5 2750.4) 4. Defining Offsite Impacts to the Population. (19 CCR 4.5 2750.5) 5. Defining Offsite Impacts to the Environment. (19 CCR 4.5 2750.6) 6. Offsite Consequence Analysis Review and Update. (19 CCR 4.5 2750.7) 7. Offsite Consequence Analysis Documentation. (19 CCR 4.5 2750.8) 8. Five-year Accident History. (19 CCR 4.5 2750.9)
Violation Notes: Returned to compliance on 05/04/2020. OBSERVATION: The owner/operator failed to conduct a hazard assessment. CORRECTIVE ACTION: Conduct a hazard assessment that complies with Sections 2750.2 through 2750.9 and submit a copy to the CUPA.
Violation Division: San Bernardino County Fire Department
Violation Program: CalARP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - CALARP PROGRAM 2
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

PARALLEL PRODUCTS (Continued) **S104574334**

Eval Date: 04-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - HW
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-PARALLEL
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTION - BP
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-PARALLEL
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2020
Violations Found: No
Eval Type: Routine done by local agency

PARALLEL PRODUCTS (Continued) **S104574334**

Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-PARALLEL
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-PARALLEL
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 141610
Site Name: PARALLEL PRODUCTS OF CALIF
Site Address: 12281 ARROW RTE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 06-10-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 141610
Site Name: PARALLEL PRODUCTS OF CALIF
Site Address: 12281 ARROW RTE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 06-10-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: CalARP

PARALLEL PRODUCTS (Continued) **S104574334**

Enf Action Source: CERS,

Site ID: 141610
Site Name: PARALLEL PRODUCTS OF CALIF
Site Address: 12281 ARROW RTE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 04-12-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Environmental Contact
Entity Name: Carolina Fabiero
Entity Title: Not reported
Affiliation Address: 12281 Arrow Route
Affiliation City: Rancho Cucamonga
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739-9601
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 12281 Arrow Route
Affiliation City: Rancho Cucamonga
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Robert Pasma
Entity Title: Vice President of Operations
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner

PARALLEL PRODUCTS (Continued) **S104574334**

Entity Name:	Parallel Environmental Services Corporation
Entity Title:	Not reported
Affiliation Address:	401 Industry Road, Suite 100
Affiliation City:	Louisville
Affiliation State:	KY
Affiliation Country:	United States
Affiliation Zip:	40208
Affiliation Phone:	(502) 471-2445,
Affiliation Type Desc:	Parent Corporation
Entity Name:	PARALLEL PRODUCTS OF CALIF
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Carolina Fabiero
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Parallel Environmental Services Corporation
Entity Title:	Not reported
Affiliation Address:	401 Industry Road,Suite 100
Affiliation City:	Louisville
Affiliation State:	KY
Affiliation Country:	United States
Affiliation Zip:	40208
Affiliation Phone:	(502) 471-2445,
Affiliation Type Desc:	Operator
Entity Name:	PARALLEL PRODUCTS OF CALIFORNIA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 980-1200,

Name:	PARALLEL PRODUCTS RECYCLING FACILITY
Address:	12281 ARROW
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	141611
CERS ID:	252058
CERS Description:	Waste Discharge Requirements

PARALLEL PRODUCTS (Continued) **S104574334**

Evaluation:

Eval General Type:	Compliance Followup Inspection
Eval Date:	03-15-1989
Violations Found:	No
Eval Type:	Follow-up inspection (enforcement)
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRINDIVLR
Eval Source:	CIWQS,

Eval General Type:	Compliance Followup Inspection
Eval Date:	03-29-1989
Violations Found:	No
Eval Type:	Follow-up inspection (enforcement)
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRINDIVLR
Eval Source:	CIWQS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-04-1994
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRINDIVLR
Eval Source:	CIWQS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-10-2010
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRINDIVLR
Eval Source:	CIWQS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-18-1997
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRINDIVLR
Eval Source:	CIWQS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-02-1997
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRINDIVLR
Eval Source:	CIWQS,

Eval General Type:	Compliance Followup Inspection
Eval Date:	11-21-1990

PARALLEL PRODUCTS (Continued) **S104574334**

Violations Found: No
Eval Type: Follow-up Inspection (noncompliance)
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-1998
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-1995
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Followup Inspection
Eval Date: 03-27-1989
Violations Found: No
Eval Type: Follow-up inspection (enforcement)
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-07-2002
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-28-2022
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Sampling Inspection
Eval Date: 06-29-1994
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported

PARALLEL PRODUCTS (Continued) **S104574334**

Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Complaint Inspection
Eval Date: 09-20-1991
Violations Found: No
Eval Type: Complaint Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Complaint Inspection
Eval Date: 09-27-1990
Violations Found: No
Eval Type: Complaint Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Sampling Inspection
Eval Date: 10-24-2001
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-24-2003
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Complaint Inspection
Eval Date: 01-21-1999
Violations Found: No
Eval Type: Complaint Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Complaint Inspection
Eval Date: 02-01-1994
Violations Found: No
Eval Type: Complaint Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

PARALLEL PRODUCTS (Continued) **S104574334**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-15-2002
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Complaint Inspection
Eval Date: 01-15-1992
Violations Found: No
Eval Type: Complaint Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Followup Inspection
Eval Date: 04-15-1989
Violations Found: No
Eval Type: Follow-up inspection (enforcement)
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-1999
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-19-2020
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRINDIVLR
Eval Source: CIWQS,

Enforcement Action:
Site ID: 141611
Site Name: Parallel Products Recycling Facility

PARALLEL PRODUCTS (Continued) **S104574334**

Site Address: 12281 ARROW
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 08-28-1989
Enf Action Type: Administrative Enforcement with Penality
Enf Action Description: Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRINDIVLR
Enf Action Source: CIWQS,

Site ID: 141611
Site Name: Parallel Products Recycling Facility
Site Address: 12281 ARROW
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 12-28-1988
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRINDIVLR
Enf Action Source: CIWQS,

Site ID: 141611
Site Name: Parallel Products Recycling Facility
Site Address: 12281 ARROW
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 09-28-1990
Enf Action Type: Formal Refer to Attorney Gen
Enf Action Description: Formal Refer to Attorney Gen
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRINDIVLR
Enf Action Source: CIWQS,

Site ID: 141611
Site Name: Parallel Products Recycling Facility
Site Address: 12281 ARROW
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 01-14-1991
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRINDIVLR
Enf Action Source: CIWQS,

Site ID: 141611
Site Name: Parallel Products Recycling Facility
Site Address: 12281 ARROW
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 04-21-1989
Enf Action Type: Administrative Enforcement with Penality

PARALLEL PRODUCTS (Continued) **S104574334**

Enf Action Description:	Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	WDRINDIVLR
Enf Action Source:	CIWQS,

D114 **TAMCO** **ENVIROSTOR** **S101661358**
NNE **12549 ARROW HIGHWAY** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.048 mi.
254 ft. **Site 1 of 13 in cluster D**

Relative:
Higher

Actual:
1164 ft.

ENVIROSTOR:

Name:	TAMCO
Address:	12549 ARROW HIGHWAY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	36330050
Status:	Refer: Other Agency
Status Date:	08/31/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	50
Senate:	29
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.09916
Longitude:	-117.5311
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* CONTAMINATED SOIL * BAGHOUSE WASTE Lead Cadmium and compounds Chromium VI Nickel
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	TAMCO
Alias Type:	Alternate Name
Alias Name:	36330050
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	07/21/1995
Comments:	CERCLA PA conducted by EPA. No further action by EPA. No further action by DTSC. No evidence of release. It is a generator of hazardous waste in the County's jurisdiction. Referred to San Bernardino County.

TAMCO (Continued) **S101661358**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

D115 **BIG THREE INDUSTRIES** **SWEEPS UST** **S106923318**
NNE **12550 ARROW RR** **N/A**
< 1/8 **ETIWANDA, CA 91739**
0.052 mi.
273 ft. **Site 2 of 13 in cluster D**

Relative:
Higher

Actual:
1164 ft.

SWEEPS UST:

Name:	BIG THREE INDUSTRIES
Address:	12550 ARROW RR
City:	ETIWANDA
Status:	Active
Comp Number:	4357
Number:	9
Board Of Equalization:	44-019886
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	36-000-004357-000001
Tank Status:	A
Capacity:	12000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	3

Name:	BIG THREE INDUSTRIES
Address:	12550 ARROW RR
City:	ETIWANDA
Status:	Active
Comp Number:	4357
Number:	9
Board Of Equalization:	44-019886
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	36-000-004357-000002
Tank Status:	A
Capacity:	9950
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	BIG THREE INDUSTRIES

BIG THREE INDUSTRIES (Continued) **S106923318**

Address:	12550 ARROW RR
City:	ETIWANDA
Status:	Active
Comp Number:	4357
Number:	9
Board Of Equalization:	44-019886
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	36-000-004357-000003
Tank Status:	A
Capacity:	Not reported
Active Date:	07-01-85
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

D116 **AIR LIQUIDE CORP** **RCRA-SQG** **1000133886**
NNE **12550 ARROW** **ICIS** **CAD086097615**
< 1/8 **ETIWANDA, CA 91739** **US AIRS**
0.052 mi. **FINDS**
273 ft. **Site 3 of 13 in cluster D** **ECHO**

Relative:
Higher

Actual:
1164 ft.

RCRA Listings:

Date Form Received by Agency:	19960901
Handler Name:	Bif Three Ind Inc
Handler Address:	12550 ARROW RTE HWY
Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAD086097615
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Ca
State District:	4
Mailing Address:	PO BOX 3047
Mailing City,State,Zip:	HOUSTON, TX 77001
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No

AIR LIQUIDE CORP (Continued) **1000133886**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: BIG THREE INDUSTRIES INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999

AIR LIQUIDE CORP (Continued) **1000133886**

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: BIF THREE IND INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800826
Handler Name: BIF THREE IND INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42183
NAICS Description: INDUSTRIAL MACHINERY AND EQUIPMENT WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ICIS:
Enforcement Action ID: 09-2001-A052
FRS ID: 110001934934
Action Name: AIR LIQUIDE CORP 06071R976000003
Facility Name: AIR LIQUIDE CORP
Facility Address: 12550 ARROW
ETIWANDA, CA 91739
Enforcement Action Type: Civil Judicial Action
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV

AIR LIQUIDE CORP (Continued) **1000133886**

Facility SIC Code:	2813
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.099202
Longitude in Decimal Degrees:	-117.531163
Permit Type Desc:	Not reported
Program System Acronym:	0900000006071R9760
Facility NAICS Code:	325120
Tribal Land Code:	Not reported

Enforcement Action ID:	09-2000-0162
FRS ID:	110001934934
Action Name:	AIR LIQUIDE AMERICA
Facility Name:	AIR LIQUIDE CORPORATION
Facility Address:	12550 ARROW ETIWANDA, CA 91739
Enforcement Action Type:	Civil Judicial Action
Facility County:	SAN BERNARDINO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	5169
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.099082
Longitude in Decimal Degrees:	-117.531755
Permit Type Desc:	Not reported
Program System Acronym:	4789
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	06-2001-0066
FRS ID:	110001934934
Action Name:	AIR LIQUIDE AMERICA CORPORATION(NC)(LEAD)
Facility Name:	AIR LIQUIDE CORPORATION
Facility Address:	12550 ARROW ETIWANDA, CA 91739
Enforcement Action Type:	Civil Judicial Action
Facility County:	SAN BERNARDINO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	5169
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.099082
Longitude in Decimal Degrees:	-117.531755
Permit Type Desc:	Not reported
Program System Acronym:	4789
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Facility Name:	ALAC-ETIWANDA ASU
Address:	12550 ARROW HIGHWAY
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	5169

AIR LIQUIDE CORP (Continued) **1000133886**

Facility Name: ALAC-ETIWANDA ASU
Address: 12550 ARROW HIGHWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: ALAC-ETIWANDA ASU
Address: 12550 ARROW HIGHWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: ALAC-ETIWANDA ASU
Address: 12550 ARROW HIGHWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: ALAC-ETIWANDA ASU
Address: 12550 ARROW HIGHWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: ALAC-ETIWANDA ASU
Address: 12550 ARROW HIGHWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: ALAC-ETIWANDA ASU
Address: 12550 ARROW HIGHWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: ALAC-ETIWANDA ASU
Address: 12550 ARROW HIGHWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: ALAC-ETIWANDA ASU
Address: 12550 ARROW HIGHWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: ALAC-ETIWANDA ASU

AIR LIQUIDE CORP (Continued) **1000133886**

Address: 12550 ARROW HIGHWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

US AIRS MINOR:
Envid: 1000133886
Region Code: 09
Programmatic ID: AIR 0900000006071R9760
Facility Registry ID: 110001934934
D and B Number: Not reported
Primary SIC Code: 2813
NAICS Code: 325120
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR 0900000006071R9760
Facility Registry ID: 110001934934
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Stratospheric Ozone Protection
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 09
Programmatic ID: AIR 0900000006071R9760
Facility Registry ID: 110001934934
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Stratospheric Ozone Protection
Activity Date: Not reported
Activity Status Date: 2001-06-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR 0900000006071R9760
Facility Registry ID: 110001934934
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Stratospheric Ozone Protection
Activity Date: 2001-06-21 00:00:00
Activity Status Date: 2001-06-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

AIR LIQUIDE CORP (Continued) **1000133886**

FINDS:
Registry ID: 110064126878

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000133886
Registry ID: 110064126878
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110064126878
Name: BIF THREE IND INC
Address: 12550 ARROW RTE HWY
City,State,Zip: ETIWANDA, CA 91739

E117 **PARALLEL PRODUCTS** **FTTS** **1007289472**
NW **12281 ARROW HIGHWAY** **HIST FTTS** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **PFAS ECHO**
0.062 mi.
330 ft. **Site 1 of 3 in cluster E**

Relative: Higher
Actual: 1163 ft.

FTTS INSP:
Inspection Number: 19930420NV008 1
Region: 05
Inspection Date: 04/20/93
Inspector: WEINER
Violation occurred: No
Investigation Type: AHERA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:
Inspection Number: 19930420NV008 1
Region: 05
Inspection Date: Not reported
Inspector: WEINER
Violation occurred: No
Investigation Type: AHERA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

PFAS ECHO:
Name: PARALLEL PRODUCTS
Address: Not reported

PARALLEL PRODUCTS (Continued) **1007289472**

City,State,Zip:	RANCHO CUCAMONGA, CA
Latitude:	34.099067
Longitude:	-117.537462
Count:	1
County:	SAN BERNARDINO
Status:	Active
Region:	09
Industry:	Chemical Mfg
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110070589012
Facility Percent Minority:	67.345
Facility Derived Tribes:	San Manuel Band of Mission Indians, California - 17.8 mile(s), San Manuel Band of Mission Indians, California - 18.1 mile(s)
Facility Population:	3480.57
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	06071
Facility Indian Country Flag:	N
Facility Collection Method:	GDT-ADDRESS MATCHING (GEOCODING)
Facility Derived HUC:	18070203
Facility Derived WBD:	180702030804
Facility Derived CD113:	31
Facility Derived CB2010:	060710022071021
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	-
Facility Days Last Inspection:	-
Facility Informal Count:	0
Facility Date Last Informal Action:	-
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	CAD981626682
RCRA Permit Types:	LQG
RCRA NAICS:	325193

PARALLEL PRODUCTS (Continued) **1007289472**

SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-117.537462,%22y%22:34.099067,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

D118 **AIR LIQUIDE CORP** **PFAS ECHO** **1027322425**
NNE **N/A**
< 1/8 **ETIWANDA, CA**
0.068 mi.
359 ft. **Site 4 of 13 in cluster D**

Relative: **Higher**

Actual: **1164 ft.**

PFAS ECHO:

Name:	AIR LIQUIDE CORP
Address:	Not reported
City,State,Zip:	ETIWANDA, CA
Latitude:	34.09902
Longitude:	-117.53142
Count:	1
County:	SAN BERNARDINO
Status:	Active
Region:	09
Industry:	Industrial Gas
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110001934934
Facility Percent Minority:	68.858
Facility Derived Tribes:	San Manuel Band of Mission Indians, California - 17.5 mile(s), San Manuel Band of Mission Indians, California - 17.7 mile(s)
Facility Population:	3218.65
EPA Programs:	CAA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	06071
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18070203
Facility Derived WBD:	180702030804
Facility Derived CD113:	31
Facility Derived CB2010:	060710022071022
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	-
Facility Days Last Inspection:	-
Facility Informal Count:	0
Facility Date Last Informal Action:	-
Facility Formal Action Count:	0
Facility Date Last Formal Action:	6/21/2001
Facility Total Penalties:	0

AIR LIQUIDE CORP (Continued) **1027322425**

Facility Penalty Count:	-
Facility Date Last Penalty:	6/21/2001
Facility Last Penalty AMT:	4,500,000
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AIR IDS:	0900000006071R9760
CAA Permit Types:	Minor Emissions
CAA NAICS:	325120
CAA SICS:	2813
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	-
RCRA Permit Types:	-
RCRA NAICS:	-
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-117.53142,%22y%22:34.09902,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

D119 **AIR LIQUIDE AMERICA CORP** **HIST UST 1000133884**
NNE **12550 ARROW RTE** **WDS N/A**
< 1/8 **ETIWANDA, CA 91739**
0.080 mi.
421 ft. **Site 5 of 13 in cluster D**

Relative: **Higher**

Actual: **1165 ft.**

HIST UST:

Name:	BIG THREE INDUSTRIES
Address:	12550 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000004357
Facility Type:	Other
Other Type:	AIRSEPERATION
Contact Name:	DAVID M JONES
Telephone:	7149872503
Owner Name:	BIG THREE INDUSTRIES

AIR LIQUIDE AMERICA CORP (Continued) **1000133884**

Owner Address:	3535 W. 12TH STREET
Owner City,St,Zip:	HOUSTON, TX 77008
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1977
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1978
Tank Capacity:	00009950
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	003
Container Num:	2
Year Installed:	1977
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

WDS:

Name:	AIR LIQUIDE AMERICA CORP
Address:	12550 Arrow Rte
City:	ETIWANDA
Facility ID:	Santa Ana River 36I009170
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	9098994652
Facility Contact:	MANAGER PLANT
Agency Name:	AIR LIQUIDE AMERICA CORP
Agency Address:	PO Box 3047
Agency City,St,Zip:	Houston 772533012
Agency Contact:	SIMON DAVID
Agency Telephone:	7316860333
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported

AIR LIQUIDE AMERICA CORP (Continued) **1000133884**

Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

D120 **AIR LIQUIDE INDUSTRIAL U.S. LP** **RCRA NonGen / NLR** **1024833923**
NNE **12550 ARROW RTE** **CAL000373683**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.080 mi.
421 ft. **Site 6 of 13 in cluster D**

Relative: **Higher**

Actual: **1165 ft.**

RCRA Listings:

Date Form Received by Agency:	20120416
Handler Name:	Air Liquide Industrial U.S. Lp
Handler Address:	12550 ARROW RTE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000373683
Contact Name:	LARRY ROSSON
Contact Address:	12550 ARROW RTE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	909-899-4641
Contact Fax:	909-899-4646
Contact Email:	LARRY.ROSSON@AIRLIQUIDE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12550 ARROW ROUTE
Mailing City,State,Zip:	ETIWANDA, CA 91739-0000
Owner Name:	Air Liquide Industrial U.S. Lp
Owner Type:	Other
Operator Name:	Larry Rosson
Operator Type:	Other

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **1024833923**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: LARRY ROSSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12550 ARROW RTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-4641
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: AIR LIQUIDE INDUSTRIAL U.S. LP	

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **1024833923**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2700 POST OAK BLVD SUITE 1800
Owner/Operator City,State,Zip:	HOUSTON, TX 77056-0000
Owner/Operator Telephone:	909-899-4641
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120416
Handler Name:	AIR LIQUIDE INDUSTRIAL U.S. LP
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D121 **AIR LIQUIDE** **LUST** **S102285674**
NNE **12550 ARROW RTE** **Cortese** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.080 mi.
421 ft. **Site 7 of 13 in cluster D**

Relative: LUST REG 8:
Higher

Actual:
1165 ft.

Name:	AIR LIQUIDE
Address:	12550 ARROW RTE
City:	RANCHO CUCAMONGA
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083602729T
Local Case Num:	95054
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site

AIR LIQUIDE (Continued) **S102285674**

Cross Street:	ETIWANDA
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Piping
Global ID:	T0607100393
How Stopped Date:	10/5/1995
Enter Date:	12/14/1995
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	10/25/1991
Enforcement Date:	Not reported
Close Date:	2/27/1996
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	12/14/1995
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.0989766
Longitude:	-117.5237082
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	1
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	WDM
Staff Initials:	JC3
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: WASTE OIL ALSO

CORTESE:

Name:	AIR LIQUIDE
Address:	12550 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607100393
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported

AIR LIQUIDE (Continued) **S102285674**

Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

D122 **AIRGAS USA, LLC** **RCRA NonGen / NLR** **1025848154**
NNE **12550 ARROW RTE** **CAC003028193**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.080 mi.
421 ft. **Site 8 of 13 in cluster D**

Relative: **Higher**

Actual: **1165 ft.**

RCRA Listings:

Date Form Received by Agency:	20190807
Handler Name:	Airgas Usa, Llc
Handler Address:	12550 ARROW RTE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9683
EPA ID:	CAC003028193
Contact Name:	JOHN NGUYEN
Contact Address:	259 N RADNOR CHESTER RD
Contact City,State,Zip:	RADNOR, PA 19087
Contact Telephone:	213-605-0204
Contact Fax:	Not reported
Contact Email:	JOHN.NGUYEN@AIRGAS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	259 N RADNOR CHESTER RD
Mailing City,State,Zip:	RADNOR, PA 19087
Owner Name:	Airgas Usa, Llc
Owner Type:	Other
Operator Name:	John Nguyen
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

AIRGAS USA, LLC (Continued) **1025848154**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: AIRGAS USA, LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	259 N RADNOR CHESTER RD
Owner/Operator City,State,Zip:	RADNOR, PA 19087
Owner/Operator Telephone:	213-605-0204
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOHN NGUYEN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	259 N RADNOR CHESTER RD
Owner/Operator City,State,Zip:	RADNOR, PA 19087
Owner/Operator Telephone:	213-605-0204
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

AIRGAS USA, LLC (Continued) **1025848154**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190807
Handler Name: AIRGAS USA, LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32512
NAICS Description: INDUSTRIAL GAS MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D123 **AIR LIQUIDE** **LUST** **S105047589**
NNE **12550 ARROW RTE** **AST** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **NPDES**
0.080 mi. **San Bern. Co. Permit**
421 ft. **Site 9 of 13 in cluster D** **CIWQS**
CERS

Relative: Higher

Actual: 1165 ft.

LUST:
Name: AIR LIQUIDE
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Lead Agency: SAN BERNARDINO COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100393
Global Id: T0607100393
Latitude: 34.0990552
Longitude: -117.528988
Status: Completed - Case Closed
Status Date: 02/27/1996
Case Worker: JC
RB Case Number: 083602729T
Local Agency: SAN BERNARDINO COUNTY
File Location: Local Agency
Local Case Number: 95054
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
EPA Region: 9
Coordinate Source: Google Geocode
Cuf Case: NO

AIR LIQUIDE (Continued) **S105047589**

Quantity Released Gallons:	Not reported
Begin Date:	10/25/1991
Leak Reported Date:	10/18/1995
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Piping
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	02/27/1996
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	65-70%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

LUST:

Global Id:	T0607100393
Contact Type:	Local Agency Caseworker - Primary Caseworker
Contact Name:	JACKSON CRUTSINGER
Organization Name:	SAN BERNARDINO COUNTY
Address:	620 SOUTH E STREET
City:	SAN BERNARDINO
Email:	jcrutsinger@sbcfire.org
Phone Number:	Not reported

LUST:

Global Id:	T0607100393
Action Type:	Other
Date:	10/25/1991
Action:	Leak Discovery

Global Id:	T0607100393
Action Type:	Other
Date:	10/18/1995
Action:	Leak Reported

Global Id:	T0607100393
Action Type:	ENFORCEMENT
Date:	02/27/1996
Action:	Closure/No Further Action Letter

Global Id:	T0607100393
Action Type:	Other
Date:	10/05/1995
Action:	Leak Stopped

Global Id:	T0607100393
Action Type:	REMEDIATION
Date:	10/08/1995
Action:	Excavation

AIR LIQUIDE (Continued) **S105047589**

LUST:

Global Id:	T0607100393
Status:	Open - Case Begin Date
Status Date:	10/25/1991
Global Id:	T0607100393
Status:	Completed - Case Closed
Status Date:	02/27/1996

AST:

Name:	AIR LIQUIDE INDUSTRIAL US LP
Address:	12550 ARROW RTE
City/Zip:	RANCHO CUCAMONGA,91739
Certified Unified Program Agencies:	Not reported
Owner:	AIR LIQUIDE AMERICA US LP
Total Gallons:	Not reported
CERSID:	10034866
Facility ID:	FA0000720
Business Name:	AIR LIQUIDE AMERICA
Phone:	(909) 899-4641
Fax:	(909) 899-4646
Mailing Address:	12550 ARROW RT
Mailing Address City:	RANCHO CUCAMONGA
Mailing Address State:	CA
Mailing Address Zip Code:	91739
Operator Name:	Larry Rosson
Operator Phone:	(951) 334-5975
Owner Phone:	(713) 624-8000
Owner Mail Address:	P O BOX 908
Owner State:	TX
Owner Zip Code:	77001
Owner Country:	United States
Property Owner Name:	Air Liquide
Property Owner Phone:	909-899-4641
Property Owner Mailing Address:	12550 ARROW RTE
Property Owner City:	RANCHO CUCAMONGA
Property Owner Stat :	CA
Property Owner Zip Code:	91739
Property Owner Country:	United States
EPAID:	Not reported
Name:	SCE-REDUCTION SUBSTATION
Address:	12550 ARROW
City/Zip:	RANCHO CUCAMONGA,
Certified Unified Program Agencies:	San Bernardino
Owner:	SOUTHERN CALIFORNIA EDISON
Total Gallons:	18,155
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported

AIR LIQUIDE (Continued) **S105047589**

Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

NPDES:

Name:	AIR LIQUIDE AMERICA CORP
Address:	12550 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I009170
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	10/10/2016
Operator Name:	Air Liquide America Corp
Operator Address:	12550 Arrow Route
Operator City:	Etiwanda
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213258
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported

AIR LIQUIDE (Continued) **S105047589**

WDID:	8 36I009170
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/23/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	11/08/1992
Status:	Terminated
Status Date:	10/10/2016
Place Size:	20
Place Size Unit:	Acres
Contact:	Larry Rosson
Contact Title:	Not reported
Contact Phone:	909-899-4641
Contact Phone Ext:	Not reported
Contact Email:	larry.rosson@airliquide.com
Operator Name:	Air Liquide America Corp
Operator Address:	12550 Arrow Route
Operator City:	Etiwanda
Operator State:	California
Operator Zip:	91739
Operator Contact:	Larry Rosson
Operator Contact Title:	Not reported
Operator Contact Phone:	909-899-4641
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	larry.rosson@airliquide.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported

AIR LIQUIDE (Continued) **S105047589**

Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Day Creek Channel
Certifier:	Larry Rosson
Certifier Title:	Plant Manager
Certification Date:	24-JUL-15
Primary Sic:	2813-Industrial Gases
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	213258
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I009170
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/08/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/23/2016
Discharge Name:	Air Liquide America Corp
Discharge Address:	12550 Arrow Route
Discharge City:	Etiwanda
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported

AIR LIQUIDE (Continued) **S105047589**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	AIR LIQUIDE AMER CORP SLS
Address:	12550 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0000718
Owner:	LIQUID AIR CORP/SALES
Permit Number:	PT0006871
Permit Category:	HAZMAT HANDLER 11-25 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	10/31/2002

Name:	CAMERON WELDING SUPPLIES
Address:	12550 ARROW ROUTE HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0007684
Owner:	CAMERON WELDING SUPPLY, INC.
Permit Number:	PT0013229
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	03/31/2009

CIWQS:

Name:	AIR LIQUIDE AMERICA CORP

AIR LIQUIDE (Continued) **S105047589**

Address:	12550 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Agency:	Air Liquide America Corp
Agency Address:	12550 Arrow Route, Etiwanda, CA 91739
Place/Project Type:	Industrial - Industrial Gases
SIC/NAICS:	2813
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I009170
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	11/08/1992
Termination Date:	09/23/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09906
Longitude:	-117.53156

Name:	AIR LIQUIDE PROCESS AND CONSTRUCTION INC
Address:	12550 ARROW RT
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Air Liquide Industrial Us LP
Agency Address:	2700 Post Oak Blvd Ste 1800, Houston, TX 77056
Place/Project Type:	Construction - Industrial, Utility: wet dry high voltage, Transportation
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C358642
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	06/17/2010
Termination Date:	07/01/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.1
Longitude:	-117.53083

CERS:

Name:	AIR LIQUIDE
Address:	12550 ARROW RTE

AIR LIQUIDE (Continued) **S105047589**

City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 632601
CERS ID: T0607100393
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JACKSON CRUTSINGER - SAN BERNARDINO COUNTY
Entity Title: Not reported
Affiliation Address: 620 SOUTH E STREET
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

D124 **AIR LIQUIDE** **HIST CORTESE** **S105023680**
NNE **12550 ARROW RT** **N/A**
< 1/8 **ETIWANDA, CA 91739**
0.080 mi.
421 ft. **Site 10 of 13 in cluster D**

Relative: **Higher**
Actual: **1165 ft.**

HIST CORTESE:
edr_fname: AIR LIQUIDE
edr_fadd1: 12550 ARROW RT
City,State,Zip: ETIWANDA, CA 91739
Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 083602729T

D125 **SCE REDUCTION SUBSTATION** **San Bern. Co. Permit** **S121309529**
NNE **12550 ARROW RTE** **CERS** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.080 mi.
421 ft. **Site 11 of 13 in cluster D**

Relative: **Higher**
Actual: **1165 ft.**

San Bern. Co. Permit:
Name: SCE REDUCTION SUBSTATION
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000332
Owner: Southern California Edison
Permit Number: PT0000407
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 02/28/2024

Name: SCE REDUCTION SUBSTATION
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000332
Owner: Southern California Edison
Permit Number: PT0020844

SCE REDUCTION SUBSTATION (Continued) **S121309529**

Permit Category: APSA EXEMPT
Facility Status: ACTIVE
Expiration Date: 02/28/2024

CERS:
Name: SCE REDUCTION SUBSTATION
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 151582
CERS ID: 10034584
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-SCE REDUCTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

SCE REDUCTION SUBSTATION (Continued) **S121309529**

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(626) 302-1212,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy Gates
Entity Title:	Senior Advisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91770
Affiliation Phone:	(626) 302-1212,
Affiliation Type Desc:	Document Preparer
Entity Name:	Jeremy Gates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

SCE REDUCTION SUBSTATION (Continued) **S121309529**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Environmental Notification Center
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	,

D126 **AIR LIQUIDE INDUSTRIAL U.S. LP** **HIST UST** **S113111712**
NNE **12550 ARROW ROUTE** **HAZNET** **N/A**
< 1/8 **ETIWANDA, CA 91739** **HWTS**
0.080 mi.
421 ft. **Site 12 of 13 in cluster D**

Relative: **Higher**
Actual: **1165 ft.**

HIST UST:

Name:	BIG THREE INDUSTRIES
Address:	12550 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
File Number:	00029a19
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00029a19.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **S113111712**

Click here for Geo Tracker PDF:

HAZNET:

Name:	AIR LIQUIDE INDUSTRIAL U.S. LP
Address:	12550 ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 917390000
Contact:	CRAIG MILLER - FIELD SVC COORD
Telephone:	5629068710
Mailing Name:	Not reported
Mailing Address:	9756 SANTA FE SPRINGS RD
Year:	2016
Gepaid:	CAL000221431
TSD EPA ID:	CAD980675276
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.45
Year:	2016
Gepaid:	CAL000221431
TSD EPA ID:	CAD044429835
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.45
Year:	2013
Gepaid:	CAL000221431
TSD EPA ID:	NED981723513
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.075
Year:	2012
Gepaid:	CAL000221431
TSD EPA ID:	TXD077603371
CA Waste Code:	352 - Other organic solids
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1
Year:	2011
Gepaid:	CAL000221431
TSD EPA ID:	CAD008364432
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0405
Year:	2011
Gepaid:	CAL000221431
TSD EPA ID:	NVT330010000
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.75

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **S113111712**

Year:	2011
Gepaid:	CAL000221431
TSD EPA ID:	TXD077603371
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.075

Year:	2011
Gepaid:	CAL000221431
TSD EPA ID:	CAD008364432
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0055

Year:	2006
Gepaid:	CAL000221431
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	R01 - Recycler
Tons:	0.15

Year:	2004
Gepaid:	CAL000221431
TSD EPA ID:	KYD053348108
CA Waste Code:	491 - Unspecified sludge waste
Disposal Method:	-
Tons:	0.075

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2013
Gen EPA ID:	CAL000221431
Shipment Date:	20131115
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131202
Manifest ID:	003939209SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	RUST & SONS
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **S113111712**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000221431
Shipment Date:	20120221
Creation Date:	8/22/2012 22:15:14
Receipt Date:	20120306
Manifest ID:	003157047SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000221431
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:44
Receipt Date:	20110628
Manifest ID:	008376693JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **S113111712**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:44
Receipt Date:	20110628
Manifest ID:	008376693JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0405
Waste Quantity:	81
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110616
Creation Date:	11/30/2011 18:30:29
Receipt Date:	20110627
Manifest ID:	003852031FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110616
Creation Date:	11/30/2011 18:30:22
Receipt Date:	20110623

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **S113111712**

Manifest ID:	002823410SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000221431
Shipment Date:	20060320
Creation Date:	7/27/2006 18:34:20
Receipt Date:	20060324
Manifest ID:	24838855
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER RECOVERY SERVICES CALIFORNIA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000221431
Shipment Date:	20040223
Creation Date:	1/5/2007 18:31:00

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **S113111712**

Receipt Date:	20040311
Manifest ID:	23021502
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	KYD053348108
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	KYD053348108
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040223
Creation Date:	1/5/2007 18:31:00
Receipt Date:	20040311
Manifest ID:	23021502
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	KYD053348108
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	KYD053348108
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000221431

Shipment Date:	20031217
Creation Date:	8/30/2004 14:52:16
Receipt Date:	20031217
Manifest ID:	21814451
Trans EPA ID:	CAR000146837
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES INC
Trans 2 EPA ID:	Not reported

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **S113111712**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	5.421
Waste Quantity:	1300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030613
Creation Date:	7/20/2004 10:01:52
Receipt Date:	20030613
Manifest ID:	21814241
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	20.016
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	AIR LIQUIDE INDUSTRIAL U.S. LP
Address:	12550 ARROW ROUTE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAL000221431
Inactive Date:	06/30/2008
Create Date:	10/05/2000
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9756 SANTA FE SPRINGS RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SANTA FE SPRINGS, CA 906700000
Owner Name:	AIR LIQUIDE AMERICA CORP
Owner Address:	PO BOX 365

AIR LIQUIDE INDUSTRIAL U.S. LP (Continued) **S113111712**

Owner Address 2:	Not reported
Owner City,State,Zip:	ETIWANDA, CA 917390000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	CRAIG MILLER - FIELD SVC COORD
Contact Address:	9756 SANTA FE SPRINGS RD
Contact Address 2:	Not reported
City,State,Zip:	SANTA FE SPRINGS, CA 906700000
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.099163
Longitude:	-117.531778

NAICS:

EPA ID:	CAL000221431
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	32512
NAICS Description:	Industrial Gas Manufacturing
Issued EPA ID Date:	2000-10-05 00:00:00
Inactive Date:	2008-06-30 00:00:00
Facility Name:	AIR LIQUIDE INDUSTRIAL U.S. LP
Facility Address:	12550 ARROW ROUTE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000

D127 **AIRGAS USA, LLC** **CERS HAZ WASTE** **S122218471**
NNE **12550 ARROW RTE** **San Bern. Co. Permit** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **CERS**
0.080 mi.
421 ft. **Site 13 of 13 in cluster D**

Relative:
Higher

Actual:
1165 ft.

CERS HAZ WASTE:

Name:	AIRGAS USA, LLC
Address:	12550 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	384359
CERS ID:	10034866
CERS Description:	Hazardous Chemical Management

Name:	AIRGAS USA, LLC
Address:	12550 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	384359
CERS ID:	10034866
CERS Description:	Hazardous Waste Generator

San Bern. Co. Permit:

Name:	AIRGAS USA, LLC
Address:	12550 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO

AIRGAS USA, LLC (Continued) **S122218471**

Facility ID: FA0000720
Owner: AIRGAS USA, LLC
Permit Number: PT0002257
Permit Category: HAZARDOUS MATERIALS 31-50 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 10/31/2023

Name: AIRGAS USA, LLC
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000720
Owner: AIRGAS USA, LLC
Permit Number: PT0038989
Permit Category: RMP INSPECTION - PROGRAM 3
Facility Status: ACTIVE
Expiration Date: 10/31/2023

Name: AIRGAS USA, LLC
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000720
Owner: AIRGAS USA, LLC
Permit Number: PT0002258
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 10/31/2023

Name: AIRGAS USA, LLC
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000720
Owner: AIRGAS USA, LLC
Permit Number: PT0013023
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 10/31/2013

Name: AIRGAS USA, LLC
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000720
Owner: AIRGAS USA, LLC
Permit Number: PT0013021
Permit Category: CALARP FACILITY PERMIT
Facility Status: INACTIVE
Expiration Date: 10/31/2004

CERS:
Name: AIRGAS USA, LLC
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 384359
CERS ID: 10034866

AIRGAS USA, LLC (Continued) **S122218471**

CERS Description: Chemical Storage Facilities

Violations:
Site ID: 384359
Site Name: AIRGAS USA, LLC
Violation Date: 07-31-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/17/2018. OBSERVATION: The reported inventory in CERS was not consistent with the observed at the time of the inspection. CORRECTIVE ACTION: Submit an accurate and complete hazardous materials inventory into the California Environmental Reporting System (CERS).
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

AIRGAS USA, LLC (Continued) **S122218471**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: AIR LIQUIDE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: AIR LIQUIDE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Brooke Williams
Entity Title: Not reported
Affiliation Address: 12800 West Little York Rd.
Affiliation City: Houston
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 77041-4218
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Larry Rosson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (951) 334-5975,

AIRGAS USA, LLC (Continued) **S122218471**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Air Liquide America
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12550 ARROW RT
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Document Preparer
Entity Name:	Larry Rosson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	AIRGAS USA, LLC
Entity Title:	Not reported
Affiliation Address:	12550 ARROW RTE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91739
Affiliation Phone:	(909) 899-4641,

Affiliation Type Desc:	Identification Signer
Entity Name:	Larry Rosson
Entity Title:	Plant Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

AIRGAS USA, LLC (Continued) **S122218471**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Airgas USA, LLC
Entity Title: Not reported
Affiliation Address: 259 N. Radnor-Chester Rd.
Affiliation City: RADNOR
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 77001
Affiliation Phone: (610) 687-5253,

E128 **CUSTOM GOODS, LLC RANCHO** **San Bern. Co. Permit** **S121143921**
NW **12200 ARROW RTE** **CERS** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.093 mi.
489 ft. **Site 2 of 3 in cluster E**

Relative:
Higher

Actual:
1162 ft.

San Bern. Co. Permit:
Name: CUSTOM GOODS, LLC RANCHO
Address: 12200 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0014559
Owner: CUSTOM GOODS, LLC
Permit Number: PT0025414
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 05/31/2023

CERS:
Name: CUSTOM GOODS, LLC RANCHO
Address: 12200 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 519658
CERS ID: 10599286
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 519658
Site Name: CUSTOM GOODS, LLC Rancho
Violation Date: 10-02-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 12/04/2017. Business Plan not submitted annually to CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 519658
Site Name: CUSTOM GOODS, LLC Rancho
Violation Date: 10-02-2014

CUSTOM GOODS, LLC RANCHO (Continued) **S121143921**

Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 10/30/2014. The last Business Plan update submitted by this facility is dated 5/31/2012.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 519658
Site Name: CUSTOM GOODS, LLC Rancho
Violation Date: 10-02-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 10/30/2014. This facility has not submitted the Business Plan elements into CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-20-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-CUSTOM GOODS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 519658
Site Name: CUSTOM GOODS, LLC Rancho
Site Address: 12200 ARROW RTE

CUSTOM GOODS, LLC RANCHO (Continued) **S121143921**

Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	10-02-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Mayra Menjivar
Entity Title:	Not reported
Affiliation Address:	1035 E. Watson
Affiliation City:	Carson
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90745
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12200 Arrow Rte
Affiliation City:	Rancho Cucamonga
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Document Preparer
Entity Name:	Mayra Menjivar
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Mayra Menjivar
Entity Title:	Director of Safety and Compliance
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

CUSTOM GOODS, LLC RANCHO (Continued) **S121143921**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Custom Goods LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 803-1360,

Affiliation Type Desc: Parent Corporation
Entity Name: Custom Goods LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: CBRE
Entity Title: Not reported
Affiliation Address: 12200 Arrow Rte
Affiliation City: Rancho Cucamonga
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91739
Affiliation Phone: (714) 434-6670,

Affiliation Type Desc: Legal Owner
Entity Name: Custom Goods LLC
Entity Title: Not reported
Affiliation Address: 12200 Arrow Rte
Affiliation City: Rancho Cucamonga
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91739
Affiliation Phone: (310) 241-6700,

E129 **AMERICAN BUILDING SUPPLY, INC** **San Bern. Co. Permit** **S106112240**
NW **12200 ARROW RTE** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.093 mi.
489 ft. **Site 3 of 3 in cluster E**

Relative:
Higher

Actual:
1162 ft.

San Bern. Co. Permit:
Name: AMERICAN BUILDING SUPPLY, INC
Address: 12200 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0008026
Owner: BALLANTYNE. MARK

AMERICAN BUILDING SUPPLY, INC (Continued) **S106112240**

Permit Number: PT0014099
Permit Category: HAZMAT HANDLER 11-25 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 12/31/2012

F130 **TRAC DIV TANNER CO** **CERS HAZ WASTE** **U001569546**
WNW **12167 ARROW HWY** **SWEEPS UST** **N/A**
< 1/8 **ETIWANDA, CA 91739** **HIST UST**
0.105 mi. **LDS**
557 ft. **Site 1 of 3 in cluster F** **San Bern. Co. Permit**
CIWQS
Relative: **CERS**
Higher

Actual: **1143 ft.**

CERS HAZ WASTE:
Name: COPART (YD 97)
Address: 12167 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 21659
CERS ID: 10048204
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: TRAC DIV TANNER CO
Address: 12167 ARROW HWY
City: ETIWANDA
Status: Active
Comp Number: 64219
Number: 9
Board Of Equalization: 44-021383
Referral Date: 08-28-91
Action Date: 08-28-91
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 36-000-064219-000001
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Name: TRAC DIV TANNER CO
Address: 12167 ARROW HWY
City: ETIWANDA
Status: Active
Comp Number: 64219
Number: 9
Board Of Equalization: 44-021383
Referral Date: 08-28-91
Action Date: 08-28-91
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 36-000-064219-000002
Tank Status: A
Capacity: 10000
Active Date: 07-01-85

TRAC DIV TANNER CO (Continued) **U001569546**

Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:
Name: TANNER CO
Address: 12167 ARROW HWY
City,State,Zip: ETIWANDA, CA 91739
File Number: 0002a7c0
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002a7c0.pdf
Region: STATE
Facility ID: 00000064219
Facility Type: Other
Other Type: CONSTRUCTION
Contact Name: DAVE RETZLAFF
Telephone: 7149876371
Owner Name: THE TANNER CO.
Owner Address: P.O. BOX 20128
Owner City,St,Zip: PHOENIX, AZ 85036
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

TRAC DIV TANNER CO (Continued) **U001569546**

Click here for Geo Tracker PDF:

LDS:

Name:	SOIL TREATMENT, RANCHO CUCAMON
Address:	12167 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Global Id:	L10008158095
Latitude:	34.0991
Longitude:	-117.5405
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	11/11/1998
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Caseworker:	RA
Local Agency:	Not reported
RB Case Number:	8 362420001
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	L10008158095
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	11/11/1998
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	11/11/1998
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	65-70%
Military DOD Site:	No
Facility Project Subtype:	Title 27 - Municipal Solid Waste Landfill
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

San Bern. Co. Permit:

Name:	COPART (YD 97)
Address:	12167 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0008209
Owner:	Copart Inc.
Permit Number:	PT0036693

TRAC DIV TANNER CO (Continued) **U001569546**

Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 03/31/2024

Name: COPART (YD 97)
Address: 12167 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0008209
Owner: Copart Inc.
Permit Number: PT0014373
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 03/31/2024

CIWQS:

Name:	SOIL TREATMENT, RANCHO CUCAMON
Address:	12167 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	The Soil Refinery Inc
Agency Address:	1802 East G D, Ontario, CA 91764-4412
Place/Project Type:	Land Treatment Unit
SIC/NAICS:	4959
Region:	8
Program:	LNDISPOTH
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee
Order Number:	95-074
WDID:	8 362420001
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	11/22/1995
Termination Date:	11/18/1997
Expiration/Review Date:	Not reported
Design Flow:	0
Major/Minor:	Not reported
Complexity:	B
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.099113
Longitude:	-117.540559

CERS:

Name:	COPART (YD 97)
Address:	12167 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	21659
CERS ID:	10048204
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	21659
Site Name:	COPART (Yd 97)
Violation Date:	04-04-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

TRAC DIV TANNER CO (Continued) **U001569546**

Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 04/04/2017. Failure to note accumulation start date on labels (CCR 66262.34(f)(2))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 21659
Site Name: COPART (Yd 97)
Violation Date: 04-04-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 04/04/2017. Failure to complete hazardous waste labels (CCR 66262.34(f)(3))
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-04-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-04-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

TRAC DIV TANNER CO (Continued) **U001569546**

Eval Date: 12-30-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 21659
Site Name: COPART (Yd 97)
Site Address: 12167 ARROW RTE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 04-04-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Operator
Entity Name: Copart Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 581-3595,

Affiliation Type Desc: Property Owner
Entity Name: Copart, Inc.
Entity Title: Not reported
Affiliation Address: Attn: Tax Dept 14185 Dallas Pkwy Ste 300
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75254
Affiliation Phone: (972) 391-5000,

Affiliation Type Desc: Document Preparer
Entity Name: Kristi Rogers
Entity Title: Not reported

TRAC DIV TANNER CO (Continued) **U001569546**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Kristi Rogers
Entity Title:	Tax Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Copart Inc.
Entity Title:	Not reported
Affiliation Address:	Attn: Tax Dept 14185 Dallas Pkwy, Ste 300
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75254
Affiliation Phone:	(972) 391-5114,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Sean Mulcahy
Entity Title:	Not reported
Affiliation Address:	Attn: Environmental Compliance, 14185 Dallas Pkwy, Ste 300
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75254
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	Attn: Tax Dept 14185 Dallas Pkwy, Ste 300
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75254
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Copart Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

TRAC DIV TANNER CO (Continued) **U001569546**

Name: SOIL TREATMENT, RANCHO CUCAMON
Address: 12167 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 247413
CERS ID: 257622
CERS Description: Land Disposal

F131 **SOIL TREATMENT, RANCHO CUCAMON** **WMUDS/SWAT** **S104156583**
WNW **12167 ARROW ROUTE** **N/A**
< 1/8 **RANCHO CUCAMONGA CA, CA 91739**
0.105 mi.
557 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
1143 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	CNSOIL
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	THE SOIL REFINERY, INC.
Agency Department:	Not reported
Agency Address:	1802 EAST 'G' ST., SUITE 'D'
Agency City,St,Zip:	ONTARIO CA 917644412
Agency Contact:	DOMENIC MUNI
Agency Telephone:	9099860770
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	8
Facility Type:	Solid Waste Site-Class II - A solid waste facility at which designated wastes may be treated or stored.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4959
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True

SOIL TREATMENT, RANCHO CUCAMON (Continued) **S104156583**

Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	True
Regional Board Project Officer:	Not reported
Number of WMUDS at Facility:	0
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	Monthly Submittal
Waste Discharge System ID:	8 362420001
Solid Waste Information ID:	Not reported

F132 **COPART (97)** **RCRA NonGen / NLR** **1024836811**
WNW **12167 ARROW RTE** **CAL000381215**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.105 mi.
557 ft. **Site 3 of 3 in cluster F**

Relative: **Higher**

Actual: **1143 ft.**

RCRA Listings:

Date Form Received by Agency:	20121224
Handler Name:	Copart (97)
Handler Address:	12167 ARROW RTE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000381215
Contact Name:	KRISTI ROGERS
Contact Address:	14185 DALLAS PARKWAY #300
Contact City,State,Zip:	DALLAS, TX 75254
Contact Telephone:	972-391-5114
Contact Fax:	469-791-9020
Contact Email:	RENEW.DEPT@COPART.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	14185 DALLAS PKWY STE 300
Mailing City,State,Zip:	DALLAS, TX 75254
Owner Name:	Copart Electric Us, Inc.
Owner Type:	Other
Operator Name:	Kristi Rogers
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

COPART (97) (Continued) **1024836811**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: KRISTI ROGERS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	14185 DALLAS PARKWAY #300
Owner/Operator City,State,Zip:	DALLAS, TX 75254
Owner/Operator Telephone:	972-391-5114
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: COPART ELECTRIC US, INC.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	14185 DALLAS PKWY STE 300

COPART (97) (Continued) **1024836811**

Owner/Operator City,State,Zip: DALLAS, TX 75254
Owner/Operator Telephone: 972-391-5114
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20121224
Handler Name: COPART (97)
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G133 **AMERON INTERNATIONAL** **PFAS ECHO** **1027325057**
NE **N/A**
1/8-1/4 **ETIWANDA, CA**
0.127 mi.
670 ft. **Site 1 of 2 in cluster G**

Relative: Higher
Actual: 1165 ft.

PFAS ECHO:
Name: AMERON INTERNATIONAL
Address: Not reported
City,State,Zip: ETIWANDA, CA
Latitude: 34.09902
Longitude: -117.53039
Count: 1
County: SAN BERNARDINO
Status: Active
Region: 09
Industry: Metal Coating
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110000770489
Facility Percent Minority: 69.174
Facility Derived Tribes: San Manuel Band of Mission Indians, California - 17.4 mile(s), San Manuel Band of Mission Indians, California - 17.7 mile(s)
Facility Population: 3200.66
EPA Programs: RCRA
Federal Facility: No
Federal Agency: -

AMERON INTERNATIONAL (Continued) **1027325057**

Facility FIPS Code:	06071
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18070203
Facility Derived WBD:	180702030804
Facility Derived CD113:	31
Facility Derived CB2010:	060710022071022
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	-
Facility Days Last Inspection:	-
Facility Informal Count:	0
Facility Date Last Informal Action:	-
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	CAT080033202
RCRA Permit Types:	SQG
RCRA NAICS:	32739
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	91739MRNCN12455
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-117.53039,%22y%22:34.09902,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

G134 **AIR LIQUIDE HEALTHCARE AMERICA CORP ETIWANDA** **RCRA-SQG** **1017785806**
NE **12640 ARROW RTE** **FINDS** **CAR000252940**
1/8-1/4 **ETIWANDA, CA 91739** **ECHO**
0.158 mi.
833 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
1165 ft.

RCRA Listings:

Date Form Received by Agency:	20150421
Handler Name:	Air Liquide Healthcare America Corp Etiwanda
Handler Address:	12640 ARROW RTE
Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAR000252940
Contact Name:	DEAN FUNKHOUSER
Contact Address:	12640 ARROW RTE
Contact City,State,Zip:	ETIWANDA, CA 91739
Contact Telephone:	909-899-4637
Contact Fax:	Not reported
Contact Email:	DEAN.FUNKHOUSER@AIRLIQUIDE.COM
Contact Title:	SITE MGR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12640 ARROW RTE
Mailing City,State,Zip:	ETIWANDA, CA 91739
Owner Name:	Air Liquide America L P
Owner Type:	Private
Operator Name:	Air Liquide Healthcare America Corp
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

AIR LIQUIDE HEALTHCARE AMERICA CORP ETIWANDA (Continued) **1017785806**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150508
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	U115
Waste Description:	Ethylene Oxide (I,T) (Or) Oxirane (I,T)

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AIR LIQUIDE HEALTHCARE AMERICA CORP
Legal Status:	Private
Date Became Current:	20011101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	AIR LIQUIDE AMERICA L P
Legal Status:	Private
Date Became Current:	19760101
Date Ended Current:	Not reported
Owner/Operator Address:	12800 WEST LITTLE YORK
Owner/Operator City,State,Zip:	HOUSTON, TX 77041
Owner/Operator Telephone:	888-889-2793
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20150421
Handler Name:	AIR LIQUIDE HEALTHCARE AMERICA CORP ETIWANDA
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

AIR LIQUIDE HEALTHCARE AMERICA CORP ETIWANDA (Continued) **1017785806**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42469
NAICS Description: OTHER CHEMICAL AND ALLIED PRODUCTS MERCHANT WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110064385026

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1017785806
Registry ID: 110064385026
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110064385026
Name: AIR LIQUIDE HEALTHCARE AMERICA CORP ETIWANDA
Address: 12640 ARROW RTE
City,State,Zip: ETIWANDA, CA 91739

H135 **BERNELL HYDRAULICS INC** **RCRA NonGen / NLR** **1024830049**
East **8810 ETIWANDA AVE** **CAL000364475**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.212 mi.
1117 ft. **Site 1 of 10 in cluster H**

Relative: **Lower**
Actual: **1128 ft.**

RCRA Listings:
Date Form Received by Agency: 20110610
Handler Name: Bernell Hydraulics Inc
Handler Address: 8810 ETIWANDA AVE
Handler City,State,Zip: RANCHO CUCAMONGA, CA 91739-9662
EPA ID: CAL000364475
Contact Name: RHONDA GARNESS
Contact Address: 8810 ETIWANDA AVE
Contact City,State,Zip: RANCHO CUCAMONGA, CA 91739

BERNELL HYDRAULICS INC (Continued) **1024830049**

Contact Telephone:	909-899-1751
Contact Fax:	909-899-3916
Contact Email:	RANCHO@BERNELLHYDRAULICS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 417
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0000
Owner Name:	Rhonda Garness
Owner Type:	Other
Operator Name:	Rhonda Garness
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

BERNELL HYDRAULICS INC (Continued) **1024830049**

Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: RHONDA GARNESS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 8810 ETIWANDA AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739-9662
Owner/Operator Telephone: 909-899-1751
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RHONDA GARNESS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 8810 ETIWANDA AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-1751
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20110610
Handler Name: BERNELL HYDRAULICS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42183
NAICS Description: INDUSTRIAL MACHINERY AND EQUIPMENT WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H136 **BERNELL HYDRAULICS, INC.** **RCRA NonGen / NLR** **1026711377**
East **8810 ETIWANDA AVENUE** **CAC003099548**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.212 mi.
1117 ft. **Site 2 of 10 in cluster H**

Relative: **Lower**

Actual: **1128 ft.**

RCRA Listings:

Date Form Received by Agency:	20210105
Handler Name:	Bernell Hydraulics, Inc.
Handler Address:	8810 ETIWANDA AVENUE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
EPA ID:	CAC003099548
Contact Name:	RHONDA GARNESS
Contact Address:	8810 ETIWANDA AVENUE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
Contact Telephone:	909-899-1751
Contact Fax:	Not reported
Contact Email:	RANCHO@BERNELLHYDRAULICS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8810 ETIWANDA AVENUE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
Owner Name:	Rhonda Garness
Owner Type:	Other
Operator Name:	Rhonda Garness
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

BERNELL HYDRAULICS, INC. (Continued) **1026711377**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RHONDA GARNESS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8810 ETIWANDA AVENUE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
Owner/Operator Telephone:	909-899-1751
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: RHONDA GARNESS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8810 ETIWANDA AVENUE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
Owner/Operator Telephone:	909-899-1751
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210105
Handler Name: BERNELL HYDRAULICS, INC.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

BERNELL HYDRAULICS, INC. (Continued) **1026711377**

List of NAICS Codes and Descriptions:
NAICS Code: 316110
NAICS Description: LEATHER AND HIDE TANNING AND FINISHING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H137 **BERNELL HYDRAULICS INC** **RCRA-SQG** **1004675774**
East **8810 ETIWANDA AVENUE** **FINDS** **CAR000076950**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **ECHO**
0.212 mi.
1117 ft. **Site 3 of 10 in cluster H**

Relative: **Lower**
Actual: **1128 ft.**

RCRA Listings:

Date Form Received by Agency:	20000703
Handler Name:	Burnell Hydrolics
Handler Address:	8810 ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0417
EPA ID:	CAR000076950
Contact Name:	T J JONES
Contact Address:	8810 ETIWANDA AVE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0417
Contact Telephone:	909-899-1751
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8810 ETIWANDA AVE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0417
Owner Name:	Terrance Jones
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

BERNELL HYDRAULICS INC (Continued) **1004675774**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D039
Waste Description:	Tetrachloroethylene

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: TERRANCE JONES	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8810 ETIWANDA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0417
Owner/Operator Telephone:	909-899-1751
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20000703
Handler Name: BURNELL HYDROLICS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

BERNELL HYDRAULICS INC (Continued) **1004675774**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110011914170

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
The National Compliance Database (NCDB) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA).
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004675774
Registry ID: 110011914170
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110011914170
Name: BERNELL HYDRAULICS INC
Address: 8810 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739

H138 **BERNELL HYDRAULICS** **ENVIROSTOR** **S104764254**
East **8810 ETIWANDA AVENUE** **AST** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **VCP**
0.212 mi. **CERS HAZ WASTE**
1117 ft. **Site 4 of 10 in cluster H** **CERS TANKS**
CHMIRS
Relative: Lower **NPDES**
San Bern. Co. Permit
Actual: 1128 ft. **WDS**
CIWQS
CERS

ENVIROSTOR:

Name:	BERNELL HYDRAULICS
Address:	8810 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	60003183
Status:	Active
Status Date:	09/17/2021
Site Code:	401987
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	0.85
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Travis Coburn
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	50
Senate:	29
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.09346
Longitude:	-117.5244
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	401987
Alias Type:	Project Code (Site Code)
Alias Name:	60003183
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	02/02/2022
Comments:	Executed Agreement and attachments sent to proponents on 2/2/2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Supplemental Site Investigation Report
Future Due Date:	2023
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AST:

Name:	BERNELL HYDRAULICS, INC.
Address:	8810 ETIWANDA AVE
City/Zip:	RANCHO CUCAMONGA,91739
Certified Unified Program Agencies:	Not reported
Owner:	GARNESS, RHONDA
Total Gallons:	Not reported
CERSID:	10036258
Facility ID:	FA0001427
Business Name:	BERNELL HYDRAULICS, INC.
Phone:	(909) 899-1751
Fax:	(909) 899-3916
Mailing Address:	8810 ETIWANDA AVE
Mailing Address City:	RANCHO CUCAMONGA
Mailing Address State:	CA
Mailing Address Zip Code:	91739
Operator Name:	Rhonda Garness
Operator Phone:	909-721-3545
Owner Phone:	909-721-3545
Owner Mail Address:	P O BOX 417
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000364475

VCP:

Name:	BERNELL HYDRAULICS
Address:	8810 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	60003183
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.85
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Travis Coburn
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401987
Assembly:	50
Senate:	29
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement

BERNELL HYDRAULICS (Continued) **S104764254**

Status: Active
Status Date: 09/17/2021
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.09346 / -117.5244
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 401987
Alias Type: Project Code (Site Code)
Alias Name: 60003183
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/02/2022
Comments: Executed Agreement and attachments sent to proponents on 2/2/2022

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Supplemental Site Investigation Report
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS HAZ WASTE:
Name: BERNELL HYDRAULICS, INC.
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 11877
CERS ID: 10036258
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: BERNELL HYDRAULICS, INC.
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 11877
CERS ID: 10036258
CERS Description: Aboveground Petroleum Storage

CHMIRS:
Name: Not reported
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
OES Incident Number: 2-0970
OES notification: 02/20/2002
OES Date: Not reported
OES Time: Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	a dry channel
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	San Bernardino Co. Fire
Incident Date:	2/20/200212:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Used Oil
Gallons:	500
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Possibly employees were throwing used oil over the wall. Some of that oil went into a dry channel behind the wall. This case is under investigation.

NPDES:

Name:	BERNELL HYDRAULICS INC
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I011575
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/26/1995
Operator Name:	Bernell Hydraulics Inc
Operator Address:	PO Box 417
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213326
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I011575
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/26/1995
Status:	Active
Status Date:	04/26/1995
Place Size:	39204
Place Size Unit:	SqFt
Contact:	Rhonda Garness
Contact Title:	Not reported
Contact Phone:	909-899-1751
Contact Phone Ext:	Not reported
Contact Email:	rancho@bernellhydraulics.com
Operator Name:	Bernell Hydraulics Inc
Operator Address:	PO Box 417
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Rhonda Garness
Operator Contact Title:	Not reported
Operator Contact Phone:	909-899-1751
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rancho@bernellhydraulics.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	John Clemons
Certifier Title:	C.O.O.
Certification Date:	18-JUN-15
Primary Sic:	3569-General Industrial Machinery and Equipment, NEC

BERNELL HYDRAULICS (Continued) **S104764254**

Secondary Sic:	3593-Fluid Power Cylinders and Actuators
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213326
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I011575
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/26/1995
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Bernell Hydraulics Inc
Discharge Address:	PO Box 417
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	BERNELL HYDRAULICS INC
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	213326
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I011575
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/26/1995
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 417
Discharge Name:	Bernell Hydraulics Inc
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8

BERNELL HYDRAULICS (Continued) **S104764254**

Regulatory Measure ID:	213326
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I011575
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/26/1995
Status:	Active
Status Date:	04/26/1995
Place Size:	39204
Place Size Unit:	SqFt
Contact:	Rhonda Garness
Contact Title:	Not reported
Contact Phone:	909-899-1751
Contact Phone Ext:	Not reported
Contact Email:	rancho@bernellhydraulics.com
Operator Name:	Bernell Hydraulics Inc
Operator Address:	PO Box 417
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Rhonda Garness
Operator Contact Title:	Not reported
Operator Contact Phone:	909-899-1751
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rancho@bernellhydraulics.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	John Clemons
Certifier Title:	C.O.O.
Certification Date:	18-JUN-15
Primary Sic:	3569-General Industrial Machinery and Equipment, NEC
Secondary Sic:	3593-Fluid Power Cylinders and Actuators
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213326
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I011575
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/26/1995
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Bernell Hydraulics Inc
Discharge Address:	PO Box 417
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	BERNELL HYDRAULICS, INC.
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0001427
Owner:	GARNESS, RHONDA
Permit Number:	PT0001609
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	09/30/2023

Name:	BERNELL HYDRAULICS, INC.
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0001427
Owner:	GARNESS, RHONDA
Permit Number:	PT0001608
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	09/30/2023

BERNELL HYDRAULICS (Continued) **S104764254**

Name: BERNELL HYDRAULICS, INC.
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0001427
Owner: GARNESS, RHONDA
Permit Number: PT0027558
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 09/30/2023

Name: BERNELL HYDRAULICS, INC.
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0001427
Owner: GARNESS, RHONDA
Permit Number: PT0001619
Permit Category: ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)
Facility Status: INACTIVE
Expiration Date: 09/30/2010

WDS:
Name: BERNELL HYDRAULICS
Address: 8810 ETIWANDA AVE
City: RANCHO CUCAMONGA
Facility ID: Santa Ana River 36I011575
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 8
Facility Telephone: 9098991751
Facility Contact: TERRY JONES
Agency Name: JONES TERRY
Agency Address: PO Box 417
Agency City,St,Zip: Rancho Cucamonga 917390417
Agency Contact: TERRY JONES
Agency Telephone: 9098991751
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0

BERNELL HYDRAULICS (Continued) **S104764254**

Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:
Name: BERNELL HYDRAULICS INC
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Agency: Bernell Hydraulics Inc
Agency Address: PO Box 417, Rancho Cucamonga, CA 91739
Place/Project Type: Industrial - General Industrial Machinery and Equipment, NEC
SIC/NAICS: 3569(+)
Region: 8
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 8 36I011575
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 04/26/1995
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 2
Violations within 5 years: 2
Latitude: 34.09275
Longitude: -117.52381

CERS:
Name: BERNELL HYDRAULICS, INC.
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 11877
CERS ID: 10036258
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

BERNELL HYDRAULICS (Continued) **S104764254**

Violation Description:	Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes:	Returned to compliance on 05/19/2016. SPCC not prepared or unavailable for review.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/05/2021. OBSERVATION: (1) 55 gallon drum of aerosol cans was observed without a hazardous waste label. CORRECTIVE ACTION: Properly label all hazardous waste containers and submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-16-2022
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit 2021 - 2022 Annual Report by due date
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 08/05/2021. OBSERVATION: (1) 55 gallon drum of used oil and fuel filters was observed without a label and without an accumulation start date. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil and fuel filters are being properly managed or submit a bill of lading to this department demonstrating proper disposal.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021

BERNELL HYDRAULICS (Continued) **S104764254**

Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/11/2021. OBSERVATION: The inventory reported in CERS is not reflective of what was observed onsite during the inspection. Refer to the inventory section of this report for more detail. CORRECTIVE ACTION: Submit an accurate and complete hazardous materials inventory via CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 05/19/2016.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 08/05/2021. OBSERVATION: (1) 1,000 gallon tank of used oil has an accumulation start date of 10/16/2020, exceeding the amount of time hazardous waste can be stored onsite prior to being properly disposed of. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation that the violation has been corrected.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/19/2016. Failure to obtain an EPA ID

BERNELL HYDRAULICS (Continued) **S104764254**

	Number (CCR 66262.12(a)) EPA ID number not active.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 01/28/2016. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) Label missing information.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-01-2013
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit Annual Report for the reporting year 2012-2013 by July 1, 2013. Annual Report 2012-2013 1st Notice of Non-Compliance was sent out on July 31, 2013.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/19/2016. Failure to maintain used oil disposal receipts for at least 3 years (CHSC 25160.2(b)(3)) Disposal records not available for review.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	10-23-2018
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes:	Returned to compliance on 11/15/2018. OBSERVATION: At time of inspection, an incomplete SPCC plan was made available for review. Elements of the SPCC plan were not filled out and missing the required information. CORRECTIVE ACTION: Submit a signed statement indicating that an SPCC plan has been prepared.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,

BERNELL HYDRAULICS (Continued) **S104764254**

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 01/28/2016. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Accumulation start date missing.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021
Citation:	HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description:	Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes:	Returned to compliance on 08/16/2021. OBSERVATION: The APSA Facility Information reported in CERS is not accurate to how much petroleum based product is stored on site. CORRECTIVE ACTION: Submit a complete Tank Facility Statement or a complete Business Plan via CERS within 30 days.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 08/05/2021. OBSERVATION: Hazardous Waste Manifests for the used oil were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for the used oil and submit copies of the two most recent manifest records to this Division.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-16-2020
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit 2019 - 2020 Annual Report by due date
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

BERNELL HYDRAULICS (Continued) **S104764254**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-29-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	BERNELL INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-28-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE APSA INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-23-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-23-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-28-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE HANDLER INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2021

BERNELL HYDRAULICS (Continued) **S104764254**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-15-2012
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff performed inspection of the facility's south side perimeter during a light rain event to observe any run-off from the site. Site did not generate run-off during a 0.20in storm event for the area on this day (reported by the San Bernardino Flood Control District for this area). Staff would contact site's representative to notify the need for housekeeping along the south perimeter.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 07-31-2013
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement

BERNELL HYDRAULICS (Continued) **S104764254**

Enf Action Notes: Site has not submitted the 2012-2013 annual report by 07/01/2013. - 1st Notice of Non-Compliance sent on 07/31/2013, via certified mail to facility, CC to owner.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 08-17-2020
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Failure to submit 2019-2020 Annual Report by due date
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 01-28-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 08-11-2022
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Failure to submit 2021-2022 Annual Report by the due date
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 01-28-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW

BERNELL HYDRAULICS (Continued) **S104764254**

Enf Action Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 01-28-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: APSA
Enf Action Source: CERS,

Coordinates:
Site ID: 11877
Facility Name: BERNELL HYDRAULICS, INC.
Env Int Type Code: SMSWIND
Program ID: 209334
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.092750
Longitude: -117.523810

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Rhonda Garness
Entity Title: CEO
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Rhonda Garness
Entity Title: Not reported
Affiliation Address: P O BOX 417
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91739-9173
Affiliation Phone: (909) 721-3545,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

BERNELL HYDRAULICS (Continued) **S104764254**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,

Affiliation Type Desc:	Owner/Operator
Entity Name:	Bernell Hydraulics Inc
Entity Title:	Operator
Affiliation Address:	PO Box 417
Affiliation City:	Rancho Cucamonga
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	BERNELL HYDRAULICS, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	Rhonda Garness
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91739
Affiliation Phone:	(909) 899-1751,

Affiliation Type Desc:	Document Preparer
Entity Name:	Sandy Kinnee
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	William White
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Rhonda Garness
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 721-3545,

Name: BERNELL HYDRAULICS, INC.
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 11877
CERS ID: 209334
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes: Returned to compliance on 05/19/2016. SPCC not prepared or unavailable for review.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/05/2021. OBSERVATION: (1) 55 gallon drum of aerosol cans was observed without a hazardous waste label. CORRECTIVE ACTION: Properly label all hazardous waste containers and submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-16-2022
Citation: 2014-0057-DWQ - Industrial General Permit

BERNELL HYDRAULICS (Continued) **S104764254**

Violation Description: SW - Late Report
Violation Notes: Failure to submit 2021 - 2022 Annual Report by due date
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 08/05/2021. OBSERVATION: (1) 55 gallon drum of used oil and fuel filters was observed without a label and without an accumulation start date. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil and fuel filters are being properly managed or submit a bill of lading to this department demonstrating proper disposal.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/11/2021. OBSERVATION: The inventory reported in CERS is not reflective of what was observed onsite during the inspection. Refer to the inventory section of this report for more detail. CORRECTIVE ACTION: Submit an accurate and complete hazardous materials inventory via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 05/19/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)

BERNELL HYDRAULICS (Continued) **S104764254**

Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 08/05/2021. OBSERVATION: (1) 1,000 gallon tank of used oil has an accumulation start date of 10/16/2020, exceeding the amount of time hazardous waste can be stored onsite prior to being properly disposed of. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation that the violation has been corrected.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/19/2016. Failure to obtain an EPA ID Number (CCR 66262.12(a)) EPA ID number not active.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 01/28/2016. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) Label missing information.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-01-2013
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit Annual Report for the reporting year 2012-2013 by July 1, 2013. Annual Report 2012-2013 1st Notice of Non-Compliance was sent out on July 31, 2013.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.

BERNELL HYDRAULICS (Continued) **S104764254**

Violation Date:	01-28-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/19/2016. Failure to maintain used oil disposal receipts for at least 3 years (CHSC 25160.2(b)(3)) Disposal records not available for review.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	10-23-2018
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes:	Returned to compliance on 11/15/2018. OBSERVATION: At time of inspection, an incomplete SPCC plan was made available for review. Elements of the SPCC plan were not filled out and missing the required information. CORRECTIVE ACTION: Submit a signed statement indicating that an SPCC plan has been prepared.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 01/28/2016. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Accumulation start date missing.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021
Citation:	HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description:	Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes:	Returned to compliance on 08/16/2021. OBSERVATION: The APSA Facility Information reported in CERS is not accurate to how much petroleum based product is stored on site. CORRECTIVE ACTION: Submit a complete Tank Facility Statement or a complete Business Plan via CERS within 30 days.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	11877

BERNELL HYDRAULICS (Continued) **S104764254**

Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 08/05/2021. OBSERVATION: Hazardous Waste Manifests for the used oil were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for the used oil and submit copies of the two most recent manifest records to this Division.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-16-2020
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to submit 2019 - 2020 Annual Report by due date
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: BERNELL INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE APSA INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

BERNELL HYDRAULICS (Continued) **S104764254**

Eval Date: 10-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-15-2012
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff performed inspection of the facility's south side perimeter during a light rain event to observe any run-off from the site. Site did not generate run-off during a 0.20in storm event for the area on this day (reported by the San Bernardino Flood Control District for this area). Staff would contact site's representative to notify the need for housekeeping along the south perimeter.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

BERNELL HYDRAULICS (Continued) **S104764254**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 07-31-2013
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Site has not submitted the 2012-2013 annual report by 07/01/2013. - 1st Notice of Non-Compliance sent on 07/31/2013, via certified mail to facility, CC to owner.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 08-17-2020
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Failure to submit 2019-2020 Annual Report by due date
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 01-28-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department

BERNELL HYDRAULICS (Continued) **S104764254**

Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 08-11-2022
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Failure to submit 2021-2022 Annual Report by the due date
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 01-28-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 01-28-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: APSA
Enf Action Source: CERS,

Coordinates:
Site ID: 11877
Facility Name: BERNELL HYDRAULICS, INC.
Env Int Type Code: SMSWIND
Program ID: 209334
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.092750
Longitude: -117.523810

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Rhonda Garness
Entity Title: CEO

BERNELL HYDRAULICS (Continued) **S104764254**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Rhonda Garness
Entity Title:	Not reported
Affiliation Address:	P O BOX 417
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91739-9173
Affiliation Phone:	(909) 721-3545,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Bernell Hydraulics Inc
Entity Title:	Operator
Affiliation Address:	PO Box 417
Affiliation City:	Rancho Cucamonga
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	BERNELL HYDRAULICS, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

BERNELL HYDRAULICS (Continued) **S104764254**

Affiliation Type Desc:	Property Owner
Entity Name:	Rhonda Garness
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91739
Affiliation Phone:	(909) 899-1751,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sandy Kinnee
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	William White
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Rhonda Garness
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 721-3545,

139
NW
1/8-1/4
0.218 mi.
1152 ft.

TANNER COMPANY TPAC DIVISION **HIST UST** **U001569547**
12167 ARROW HWY **N/A**
ETIWANDA, CA 91739

Relative:
Higher

Actual:
1163 ft.

HIST UST:

Name:	TANNER COMPANY TPAC DIVISION
Address:	12167 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91739
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000068860
Facility Type:	Other
Other Type:	CONSTRUCTION
Contact Name:	DAVE RETZLAFF

TANNER COMPANY TPAC DIVISION (Continued) **U001569547**

Telephone:	7149876371
Owner Name:	TANNER COMPANY
Owner Address:	P.O. BOX 20128
Owner City,St,Zip:	PHOENIX, AZ 85036
Total Tanks:	0001
Tank Num:	001
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	2
Container Construction Thickness:	X
Leak Detection:	None

H140 **DP ETIWANDA** **ENVIROSTOR** **S102795943**
East **8822 ETIWANDA AVENUE** **VCP** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **DEED**
0.247 mi. **CHMIRS**
1302 ft. **Site 5 of 10 in cluster H** **EMI**
HAZNET
Relative: **NPDES**
Lower **San Bern. Co. Permit**
CIWQS
Actual: **CERS**
1128 ft. **HWTS**

ENVIROSTOR:

Name:	DP ETIWANDA
Address:	8822 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	60002634
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	10/22/2020
Site Code:	401825
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	11.82
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	50
Senate:	29
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.09373
Longitude:	-117.5272
APN:	NONE SPECIFIED
Past Use:	RAILROAD RIGHT OF WAY, UNDERGROUND STORAGE TANKS, RECYCLING - SCRAP METAL
Potential COC:	Lead Polychlorinated biphenyls (PCBs TPH-MOTOR OIL Cadmium and compounds
Confirmed COC:	3 001 330 018 300 250 000 000

DP ETIWANDA (Continued) **S102795943**

Potential Description: SOIL, SV
Alias Name: 401825
Alias Type: Project Code (Site Code)
Alias Name: 60002634
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/27/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/19/2020
Comments: DTSC issued approval for the Site Characterization Workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/21/2020
Comments: DTSC approved the SSI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/23/2020
Comments: Site visit to mark sampling locations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/01/2020
Comments: DTSC issued a PEA Adequacy. The Draft PEA Report will be made availalbe for public review during a 30-day public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/26/2018
Comments: Site visit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/28/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/27/2018
Comments: DTSC approved scope of work to conduct site characterization.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

DP ETIWANDA (Continued) **S102795943**

Completed Document Type: Phase 1
Completed Date: 04/26/2018
Comments: Provided as background information

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/02/2018
Comments: DTSC approved workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2019
Comments: Annual cost estimate provided to proponent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 03/26/2018
Comments: VCP Application submitted by RP via email on 03/26/18.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 10/22/2020
Comments: LUC recorded with the county.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/05/2020
Comments: Issued final approval of the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/31/2022
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/26/2021
Comments: DTSC mailed out the letter informing them of DTSC project manager

DP ETIWANDA (Continued) **S102795943**

change from Rana to Johnson.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 04/12/2018
Comments: DTSC prepared a project cost estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2018
Comments: FY 1819 Estimate: $11,662

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/03/2018
Comments: Copy of fully executed VCA sent to RP contact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 10/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/29/2020
Comments: Conference call between DTSC, Dedaux and Ramboll to go over response letter and possible strategies for offisite delineation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/18/2020
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

DP ETIWANDA (Continued) **S102795943**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: DP ETIWANDA
Address: 8822 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Facility ID: 60002634
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 11.82
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401825
Assembly: 50
Senate: 29
Special Programs Code: Not reported
Status: Certified O&M - Land Use Restrictions Only
Status Date: 10/22/2020
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 34.09373 / -117.5272
APN: NONE SPECIFIED
Past Use: RAILROAD RIGHT OF WAY, UNDERGROUND STORAGE TANKS, RECYCLING - SCRAP METAL
Potential COC: 30013, 30018, 3002502, 30108
Confirmed COC: 3,001,330,018,300,250,000,000
Potential Description: SOIL, SV
Alias Name: 401825
Alias Type: Project Code (Site Code)
Alias Name: 60002634
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/27/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/19/2020
Comments: DTSC issued approval for the Site Characterization Workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/21/2020

DP ETIWANDA (Continued) **S102795943**

Comments:	DTSC approved the SSI Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	07/23/2020
Comments:	Site visit to mark sampling locations.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/01/2020
Comments:	DTSC issued a PEA Adequacy. The Draft PEA Report will be made availalbe for public review during a 30-day public comment period.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	07/26/2018
Comments:	Site visit.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	08/28/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	08/27/2018
Comments:	DTSC approved scope of work to conduct site characterization.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	04/26/2018
Comments:	Provided as background information
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	08/02/2018
Comments:	DTSC approved workplan for implementation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/11/2019
Comments:	Annual cost estimate provided to proponent.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	03/26/2018
Comments:	VCP Application submitted by RP via email on 03/26/18.

DP ETIWANDA (Continued) **S102795943**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	10/22/2020
Comments:	LUC recorded with the county.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/05/2020
Comments:	Issued final approval of the PEA Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Project Management
Completed Date:	06/30/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	01/31/2022
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/16/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	07/26/2021
Comments:	DTSC mailed out the letter informing them of DTSC project manager change from Rana to Johnson.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	04/12/2018
Comments:	DTSC prepared a project cost estimate
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	08/24/2018
Comments:	FY 1819 Estimate: $11,662
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	05/03/2018
Comments:	Copy of fully executed VCA sent to RP contact.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

DP ETIWANDA (Continued) **S102795943**

Completed Document Type: Access Agreement
Completed Date: 10/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/29/2020
Comments: Conference call between DTSC, Dedaux and Ramboll to go over response letter and possible strategies for offisite delineation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/18/2020
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: DP ETIWANDA
Address: 8822 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Envirostor ID: 60002634
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CHMIRS:
Name: Not reported
Address: 8822 ETIWANDA AV

DP ETIWANDA (Continued) **S102795943**

City,State,Zip:	RANCHO CUCAMONGA, CA
OES Incident Number:	3-2640
OES notification:	05/21/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/a
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Citizen
Incident Date:	5/21/200312:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Metal dust
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported

DP ETIWANDA (Continued) **S102795943**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller he works at a near by business and is outside a lot and is concerned about the amount of dust that emanates from a near by recycling plant. Caller has attempted to contact local agencies to seek assistance but was unsuccessful to date.

EMI:

Name:	PACIFIC COAST RECYCLING, LLC
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2008
County Code:	36
Air Basin:	SC
Facility ID:	138005
Air District Name:	SC
SIC Code:	5051
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.615288459446659762
Reactive Organic Gases Tons/Yr:	2.546188
Carbon Monoxide Emissions Tons/Yr:	.13
NOX - Oxides of Nitrogen Tons/Yr:	.11306
SOX - Oxides of Sulphur Tons/Yr:	.001863
Particulate Matter Tons/Yr:	.888235
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.61627183

Name:	PACIFIC COAST RECYCLING, LLC
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2009
County Code:	36
Air Basin:	SC
Facility ID:	138005
Air District Name:	SC
SIC Code:	5051
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.2084162489919301E-3
Reactive Organic Gases Tons/Yr:	0.001114
Carbon Monoxide Emissions Tons/Yr:	0.01
NOX - Oxides of Nitrogen Tons/Yr:	5.1000000000000004E-4
SOX - Oxides of Sulphur Tons/Yr:	0.0000265
Particulate Matter Tons/Yr:	3.2499999999999997E-5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.2305000000000003E-5

DP ETIWANDA (Continued) **S102795943**

Name:	PACIFIC COAST RECYCLING, LLC
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2010
County Code:	36
Air Basin:	SC
Facility ID:	138005
Air District Name:	SC
SIC Code:	5051
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.4388185654008394E-5
Reactive Organic Gases Tons/Yr:	8.0000000000000007E-5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVENUE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact:	TEDDY GRAVES
Telephone:	7144958020
Mailing Name:	Not reported
Mailing Address:	3200 E. FRONTERA STREET
Year:	2017
Gepaid:	CAC002925489
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	9.2

Additional Info:

Year:	2017
Gen EPA ID:	CAC002925489
Shipment Date:	20170918
Creation Date:	7/10/2018 18:30:28
Receipt Date:	20170921
Manifest ID:	017931025JJK
Trans EPA ID:	CAR000049064
Trans Name:	ECTI
Trans 2 EPA ID:	CAR000045963
Trans 2 Name:	ARO TRUCKING
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste

DP ETIWANDA (Continued) **S102795943**

RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	9.2
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	ETIWANDA RANCHO CUCAMONGA
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36C382576
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	11/20/2020
Operator Name:	DP Etiwanda LLC
Operator Address:	PO Box 82691
Operator City:	Goleta
Operator State:	California
Operator Zip:	93118

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	494925
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36C382576
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/26/2018
Expiration Date Of Regulatory Measure:	Not reported

DP ETIWANDA (Continued) **S102795943**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	DP Etiwanda LLC
Discharge Address:	1430 S Eastman Ave
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90023
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported

DP ETIWANDA (Continued) **S102795943**

Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36MR000005
Regulatory Measure Type:	Region 8 - Scrap Metal Permit
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	10/18/2017
Operator Name:	SA Recycling LLC 41
Operator Address:	3200 East Frontera Street
Operator City:	Anaheim
Operator State:	California
Operator Zip:	92806

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	426783
Order Number:	Not reported
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36MR000005
Program Type:	Region 8 - Scrap Metal Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/10/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/26/2017
Discharge Name:	SA Recycling LLC 41
Discharge Address:	3200 East Frontera Street
Discharge City:	Anaheim
Discharge State:	California
Discharge Zip:	92806
Received Date:	Not reported

DP ETIWANDA (Continued) **S102795943**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported

DP ETIWANDA (Continued) **S102795943**

Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	426783
Order Number:	Not reported
Regulatory Measure Type:	Region 8 - Scrap Metal Permit
Place ID:	Not reported
WDID:	8 36MR000005
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/03/2012
Processed Date:	05/10/2012
Status:	Active
Status Date:	05/10/2012
Place Size:	4.25
Place Size Unit:	Acres
Contact:	Lindsay Maine
Contact Title:	EHS Manager
Contact Phone:	714-283-6100
Contact Phone Ext:	0411
Contact Email:	lmaine@sarecycling.com
Operator Name:	SA Recycling LLC 41
Operator Address:	8822 Etiwanda Ave
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Lindsay Maine
Operator Contact Title:	EHS Manager
Operator Contact Phone:	714-283-6100
Operator Contact Phone Ext:	0411
Operator Contact Email:	lmaine@sarecycling.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

DP ETIWANDA (Continued) **S102795943**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Tesha Johnson
Certifier Title:	Not reported
Certification Date:	03-MAY-12
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	CENTRAL TRANSPORT
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36NEC008958
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/01/2021
Operator Name:	Central Transport
Operator Address:	12225 Stephens
Operator City:	Warren
Operator State:	Michigan
Operator Zip:	48089

Name:	CENTRAL TRANSPORT
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	532736

DP ETIWANDA (Continued) **S102795943**

Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36NEC008958
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/2021
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	12225 Stephens
Discharge Name:	Central Transport
Discharge City:	Warren
Discharge State:	Michigan
Discharge Zip:	48089
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	ETIWANDA RANCHO CUCAMONGA
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	494925
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	8 36C382576
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/26/2018
Termination Date Of Regulatory Measure:	10/07/2020
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 82691
Discharge Name:	DP Etiwanda LLC
Discharge City:	Goleta
Discharge State:	California
Discharge Zip:	93118
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	494925

DP ETIWANDA (Continued) **S102795943**

Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36C382576
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/26/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	DP Etiwanda LLC
Discharge Address:	1430 S Eastman Ave
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90023
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported

DP ETIWANDA (Continued) **S102795943**

Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	SIMSMETAL AMERICA
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0006201
Owner:	SIMSMETAL AMERICA
Permit Number:	PT0002260
Permit Category:	HAZARDOUS WASTE GENERATOR - 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	07/31/2004

Name:	SIMSMETAL AMERICA
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0006201
Owner:	SIMSMETAL AMERICA
Permit Number:	PT0002261
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status:	INACTIVE
Expiration Date:	07/31/2004

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0007940
Owner:	SA RECYCLING LLC
Permit Number:	PT0026079
Permit Category:	APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status:	INACTIVE
Expiration Date:	11/30/2018

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0007940
Owner:	SA RECYCLING LLC
Permit Number:	PT0013871
Permit Category:	LARGE QUANTITY GENERATOR

DP ETIWANDA (Continued) **S102795943**

Facility Status: INACTIVE
Expiration Date: 11/30/2018

Name: SA RECYCLING
Address: 8822 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0007940
Owner: SA RECYCLING LLC
Permit Number: PT0013872
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 11/30/2018

Name: SA RECYCLING
Address: 8822 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0007940
Owner: SA RECYCLING LLC
Permit Number: PT0018793
Permit Category: APPLIANCE RECYCLER
Facility Status: INACTIVE
Expiration Date: 11/30/2017

CIWQS:
Name: CENTRAL TRANSPORT
Address: 8822 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Agency: Central Transport
Agency Address: 12225 Stephens, Warren, MI 48089
Place/Project Type: Industrial - Trucking, Except Local
SIC/NAICS: 4213
Region: 8
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 8 36NEC008958
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 04/01/2021
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.09373
Longitude: -117.52725

Name: ETIWANDA RANCHO CUCAMONGA
Address: 8822 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA CA
Agency: DP Etiwanda LLC

DP ETIWANDA (Continued) **S102795943**

Agency Address:	PO Box 82691, Goleta, CA 93118
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C382576
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/26/2018
Termination Date:	10/07/2020
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	2
Violations within 5 years:	2
Latitude:	34.09383
Longitude:	-117.52443

CERS:

Name:	CENTRAL TRANSPORT
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	580330
CERS ID:	891276
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Central Transport
Entity Title:	Operator
Affiliation Address:	12225 Stephens
Affiliation City:	Warren
Affiliation State:	MI
Affiliation Country:	Not reported
Affiliation Zip:	48089
Affiliation Phone:	,

Name:	PACIFIC COAST RECYCLING, LLC
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	485394
CERS ID:	110041389253
CERS Description:	US EPA Air Emission Inventory System (EIS)

HWTS:

Name:	DP ETIWANDA
Address:	8822 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAP000332783
Inactive Date:	04/07/2022

DP ETIWANDA (Continued) **S102795943**

Create Date:	01/06/2022
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	8822 ETIWANDA AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	DP ETIWANDA LLC
Owner Address:	100 WILSHIRE BLVD STE 250
Owner Address 2:	Not reported
Owner City,State,Zip:	SANTA MONICA, CA 90401
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	ALON KRAFT
Contact Address:	100 WILSHIRE BLVD STE 250
Contact Address 2:	Not reported
City,State,Zip:	SANTA MONICA, CA 90401
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	FEDERAL
Latitude:	34.09369501
Longitude:	-117.52715201

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVENUE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC002925489
Inactive Date:	11/29/2017
Create Date:	08/28/2017
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	3200 E. FRONTERA STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANAHEIM, CA 92806
Owner Name:	SA RECYCLING
Owner Address:	3200 E. FRONTERA STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	ANAHEIM, CA 92806
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	TEDDY GRAVES
Contact Address:	3200 E. FRONTERA STREET
Contact Address 2:	Not reported
City,State,Zip:	ANAHEIM, CA 92806
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.093301
Longitude:	-117.523884

H141 **DP ETIWANDA** **RCRA-LQG** **1024876582**
East **8822 ETIWANDA AVE** **CAP000290510**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.247 mi.
1302 ft. **Site 6 of 10 in cluster H**

Relative: **Lower**

Actual: **1128 ft.**

RCRA Listings:

Date Form Received by Agency:	20181204
Handler Name:	Dp Etiwanda
Handler Address:	ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAP000290510
Contact Name:	MIKE CREWS
Contact Address:	PARK PLAZA
Contact City,State,Zip:	IRVINE, CA 92614
Contact Telephone:	949-584-5437
Contact Fax:	Not reported
Contact Email:	MCREWS@RAMBOLL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	SOUTH EASTMAN AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90023
Owner Name:	Dp Etiwanda, Llc
Owner Type:	Private
Operator Name:	Dp Etiwanda, Llc
Operator Type:	Private
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

DP ETIWANDA (Continued) **1024876582**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D006
Waste Description:	Cadmium
Waste Code:	D008
Waste Description:	Lead

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DP ETIWANDA, LLC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1430 SOUTH EASTMAN
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90023
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: DP ETIWANDA, LLC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1430 SOUTH EASTMAN
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90023
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20181204
Handler Name: DP ETIWANDA	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

DP ETIWANDA (Continued) **1024876582**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	541614
NAICS Description:	PROCESS, PHYSICAL DISTRIBUTION, AND LOGISTICS CONSULTING SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

H142 **SA RECYCLING** **AST** **S113160586**
East **8822 ETIWANDA AVE** **HAZNET** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **CIWQS**
0.247 mi. **HWTS**
1302 ft. **Site 7 of 10 in cluster H**

Relative: **Lower**

Actual: **1128 ft.**

AST:

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
City/Zip:	RANCHO CUCAMONGA,91739
Certified Unified Program Agencies:	Not reported
Owner:	SA RECYCLING LLC
Total Gallons:	Not reported
CERSID:	10047745
Facility ID:	FA0007940
Business Name:	SA Recycling Corporate
Phone:	(909) 899-1767
Fax:	(909) 899-4595
Mailing Address:	2411 N Glassell
Mailing Address City:	Orange
Mailing Address State:	CA
Mailing Address Zip Code:	92865
Operator Name:	Ruben Gallardo
Operator Phone:	909.899.1767
Owner Phone:	(714) 632-2000
Owner Mail Address:	2411 N Glassell St
Owner State:	CA
Owner Zip Code:	92865
Owner Country:	United States
Property Owner Name:	SA Recycling LLC
Property Owner Phone:	714-632-2000
Property Owner Mailing Address:	2411 N Glassell
Property Owner City:	Orange
Property Owner Stat :	CA
Property Owner Zip Code:	92865
Property Owner Country:	United States
EPAID:	CAL000359034

SA RECYCLING (Continued) **S113160586**

HAZNET:

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact:	TESHA JOHNSON
Telephone:	7142836188
Mailing Name:	Not reported
Mailing Address:	2411 N GLASSELL
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT080013352
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.396
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT080025711
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.66
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT080013352
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.4587
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT000646117
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.72
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	52.17
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	7.942

SA RECYCLING (Continued) **S113160586**

Year:	2016
Gepaid:	CAL000359034
TSD EPA ID:	CAT080025711
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	5.928
Year:	2016
Gepaid:	CAL000359034
TSD EPA ID:	NVT330010000
CA Waste Code:	261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23142
Year:	2016
Gepaid:	CAL000359034
TSD EPA ID:	CAT080025711
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	3.99
Year:	2016
Gepaid:	CAL000359034
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	14.478

Click this hyperlink while viewing on your computer to access
28 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000359034
Shipment Date:	20170901
Creation Date:	5/21/2018 18:34:34
Receipt Date:	20170908
Manifest ID:	015222291JJK
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	CAR000045963
Trans 2 Name:	ARO TRUCKING
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

SA RECYCLING (Continued) **S113160586**

Quantity Tons:	25.38
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170901
Creation Date:	6/13/2018 18:31:27
Receipt Date:	20170907
Manifest ID:	015222281JJK
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	CAR000045963
Trans 2 Name:	ARO TRUCKING
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	26.79
Waste Quantity:	19
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	5/29/2018 18:30:43
Receipt Date:	20170824
Manifest ID:	017361081JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	2.04
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

SA RECYCLING (Continued) **S113160586**

Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	5/29/2018 18:30:43
Receipt Date:	20170824
Manifest ID:	017361081JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.68
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170627
Creation Date:	5/17/2018 18:32:12
Receipt Date:	20170627
Manifest ID:	002934122GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.698
Waste Quantity:	710
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170418
Creation Date:	5/9/2018 18:32:31
Receipt Date:	20170418
Manifest ID:	003376538GBF
Trans EPA ID:	CAD980814446

SA RECYCLING (Continued) **S113160586**

Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.584
Waste Quantity:	680
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170228
Creation Date:	5/18/2017 18:31:53
Receipt Date:	20170228
Manifest ID:	002934979GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.66
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170223
Creation Date:	5/19/2017 18:30:21
Receipt Date:	20170302
Manifest ID:	016609502JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

SA RECYCLING (Continued) **S113160586**

Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170223
Creation Date:	5/19/2017 18:30:21
Receipt Date:	20170302
Manifest ID:	016609502JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170117
Creation Date:	3/31/2017 18:30:27
Receipt Date:	20170117
Manifest ID:	002934914GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.66
Waste Quantity:	700
Quantity Unit:	G

SA RECYCLING (Continued) **S113160586**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000359034
Shipment Date:	20150909
Creation Date:	11/6/2015 22:15:31
Receipt Date:	20150911
Manifest ID:	014282869JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150909
Creation Date:	2/26/2016 22:15:15
Receipt Date:	20151001
Manifest ID:	014282870JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

SA RECYCLING (Continued) **S113160586**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150710
Creation Date:	1/21/2016 22:15:55
Receipt Date:	20150727
Manifest ID:	014281815JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150316
Creation Date:	6/23/2015 22:15:22
Receipt Date:	20150316
Manifest ID:	002303078GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.882
Waste Quantity:	210
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150309
Creation Date:	5/19/2015 22:15:07
Receipt Date:	20150310
Manifest ID:	002670428GBF

SA RECYCLING (Continued) **S113160586**

Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000359034
Shipment Date:	20150909
Creation Date:	2/26/2016 22:15:15
Receipt Date:	20151001
Manifest ID:	014282870JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150909
Creation Date:	11/6/2015 22:15:31
Receipt Date:	20150911
Manifest ID:	014282869JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported

SA RECYCLING (Continued) **S113160586**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150710
Creation Date:	1/21/2016 22:15:55
Receipt Date:	20150727
Manifest ID:	014281815JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150316
Creation Date:	6/23/2015 22:15:22
Receipt Date:	20150316
Manifest ID:	002303078GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported

SA RECYCLING (Continued) **S113160586**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.882
Waste Quantity:	210
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150309
Creation Date:	5/19/2015 22:15:07
Receipt Date:	20150310
Manifest ID:	002670428GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000359034
Shipment Date:	20141110
Creation Date:	1/15/2015 22:14:55
Receipt Date:	20141112
Manifest ID:	013548377JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.396

SA RECYCLING (Continued) **S113160586**

Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141110
Creation Date:	4/1/2015 22:15:06
Receipt Date:	20141117
Manifest ID:	013548376JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.02755
Waste Quantity:	25
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141104
Creation Date:	6/26/2015 22:15:35
Receipt Date:	20141111
Manifest ID:	013548364JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SA RECYCLING (Continued) **S113160586**

Shipment Date:	20140723
Creation Date:	9/30/2014 22:15:08
Receipt Date:	20140724
Manifest ID:	002303132GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140402
Creation Date:	8/19/2014 22:15:10
Receipt Date:	20140408
Manifest ID:	011004190JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.8
Waste Quantity:	3600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140320
Creation Date:	5/19/2014 22:14:53
Receipt Date:	20140320
Manifest ID:	002302804GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported

SA RECYCLING (Continued) **S113160586**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.394
Waste Quantity:	630
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000359034
Shipment Date:	20131022
Creation Date:	12/4/2013 22:15:18
Receipt Date:	20131022
Manifest ID:	001975061GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130806
Creation Date:	9/30/2013 22:15:16
Receipt Date:	20130806
Manifest ID:	001974872GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON

SA RECYCLING (Continued) **S113160586**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130626
Creation Date:	8/29/2013 22:15:18
Receipt Date:	20130626
Manifest ID:	001974768GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130621
Creation Date:	8/20/2013 22:15:09
Receipt Date:	20130621
Manifest ID:	001974762GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.315

SA RECYCLING (Continued) **S113160586**

Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130403
Creation Date:	6/9/2013 22:15:06
Receipt Date:	20130403
Manifest ID:	001974566GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130329
Creation Date:	6/10/2013 22:15:06
Receipt Date:	20130329
Manifest ID:	001974561GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.116
Waste Quantity:	820
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SA RECYCLING (Continued) **S113160586**

Shipment Date:	20130128
Creation Date:	6/19/2013 22:15:07
Receipt Date:	20130204
Manifest ID:	011024376JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000359034
Shipment Date:	20121213
Creation Date:	3/7/2013 22:15:18
Receipt Date:	20121214
Manifest ID:	001974323GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.532
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121004
Creation Date:	12/20/2012 22:15:18
Receipt Date:	20121005

SA RECYCLING (Continued) **S113160586**

Manifest ID:	001682778GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.294
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120917
Creation Date:	11/26/2012 22:16:15
Receipt Date:	20120918
Manifest ID:	001682733GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.121
Waste Quantity:	295
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120709
Creation Date:	10/15/2012 22:15:38
Receipt Date:	20120709
Manifest ID:	001682586GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SRV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON

SA RECYCLING (Continued) **S113160586**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.646
Waste Quantity:	170
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120709
Creation Date:	10/15/2012 22:15:30
Receipt Date:	20120709
Manifest ID:	001682584GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SRV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.378
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120613
Creation Date:	10/3/2012 22:15:09
Receipt Date:	20120613
Manifest ID:	001682532GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SRV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.504

SA RECYCLING (Continued) **S113160586**

Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120516
Creation Date:	5/29/2013 22:15:15
Receipt Date:	20120601
Manifest ID:	009699176JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120424
Creation Date:	6/27/2012 20:30:16
Receipt Date:	20120424
Manifest ID:	001682354GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.912
Waste Quantity:	240
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SA RECYCLING (Continued) **S113160586**

Shipment Date:	20120312
Creation Date:	8/28/2012 22:15:13
Receipt Date:	20120320
Manifest ID:	009696653JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.6
Waste Quantity:	3200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120302
Creation Date:	4/30/2012 20:30:14
Receipt Date:	20120302
Manifest ID:	001682268GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SRV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.28
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000359034

Shipment Date:	20111130
Creation Date:	3/12/2012 20:30:14
Receipt Date:	20111130

SA RECYCLING (Continued) **S113160586**

Manifest ID:	001682047GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.292
Waste Quantity:	340
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111021
Creation Date:	1/6/2012 18:30:33
Receipt Date:	20111021
Manifest ID:	001532368GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.596
Waste Quantity:	420
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111013
Creation Date:	12/27/2011 18:30:38
Receipt Date:	20111013
Manifest ID:	001532354GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON

SA RECYCLING (Continued) **S113160586**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111003
Creation Date:	12/20/2011 18:30:31
Receipt Date:	20111003
Manifest ID:	001532327GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.356
Waste Quantity:	620
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110919
Creation Date:	12/9/2011 18:30:58
Receipt Date:	20110919
Manifest ID:	001532298GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.052

SA RECYCLING (Continued) **S113160586**

Waste Quantity:	540
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110901
Creation Date:	11/8/2011 18:30:28
Receipt Date:	20110901
Manifest ID:	001532263GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110826
Creation Date:	2/11/2012 20:30:14
Receipt Date:	20110830
Manifest ID:	008285494JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.24795
Waste Quantity:	225
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SA RECYCLING (Continued) **S113160586**

Shipment Date:	20110826
Creation Date:	2/11/2012 20:30:14
Receipt Date:	20110830
Manifest ID:	008285494JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110824
Creation Date:	11/8/2011 18:30:12
Receipt Date:	20110824
Manifest ID:	001532239GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.204
Waste Quantity:	580
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110722
Creation Date:	10/1/2011 18:30:31
Receipt Date:	20110722
Manifest ID:	001532177GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported

SA RECYCLING (Continued) **S113160586**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.546
Waste Quantity:	670
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000359034
Shipment Date:	20101230
Creation Date:	2/8/2012 8:33:49
Receipt Date:	20110107
Manifest ID:	008322133JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.6265
Waste Quantity:	1253
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CIWQS:

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	SA Recycling LLC 41
Agency Address:	3200 East Frontera Street, Anaheim, CA 92806
Place/Project Type:	Industrial - Scrap and Waste Materials
SIC/NAICS:	5093
Region:	8

SA RECYCLING (Continued) **S113160586**

Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Region 8 - Scrap Metal Permit
Order Number:	R8-2012-0012
WDID:	8 36MR000005
NPDES Number:	CAG618001
Adoption Date:	Not reported
Effective Date:	05/10/2012
Termination Date:	09/26/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09167
Longitude:	-117.52306

HWTS:

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000359034
Inactive Date:	06/30/2018
Create Date:	11/29/2010
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2411 N GLASSELL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ORANGE, CA 928650000
Owner Name:	SA RECYCLING LLC
Owner Address:	2411 N GLASSELL STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	ORANGE, CA 928650000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	TESHA JOHNSON
Contact Address:	2411 N. GLASSEL
Contact Address 2:	Not reported
City,State,Zip:	ORANGE, CA 92865
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.09269
Longitude:	-117.52391

NAICS:

EPA ID:	CAL000359034
Create Date:	2010-11-29 12:59:45.003
NAICS Code:	42193
NAICS Description:	Recyclable Material Wholesalers
Issued EPA ID Date:	2010-11-29 12:59:45.00300
Inactive Date:	2018-06-30 00:00:00

SA RECYCLING (Continued) **S113160586**

Facility Name:	SA RECYCLING
Facility Address:	8822 ETIWANDA AVE
Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91739

H143 **SIMSMETAL AMERICA** **RCRA-SQG** **1000367428**
East **8822 ETIWANDA AVE** **SWEEPS UST** **CAD981368228**
1/8-1/4 **ETIWANDA, CA 91739** **HIST UST**
0.247 mi. **FINDS**
1302 ft. **Site 8 of 10 in cluster H** **ECHO**
EMI
Relative: **HAZNET**
Lower **HWTS**

Actual:
1128 ft.

RCRA Listings:

Date Form Received by Agency:	19980715
Handler Name:	Simsmetal America
Handler Address:	8822 ETIWANDA AVE
Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAD981368228
Contact Name:	SCOTT MILLER
Contact Address:	600 S FOURTH ST
Contact City,State,Zip:	RICHMOND, CA 94804-3504
Contact Telephone:	510-412-5300
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8822 ETIWANDA AVE
Mailing City,State,Zip:	ETIWANDA, CA 91739
Owner Name:	Simsmetal Usa Corp
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No

SIMSMETAL AMERICA (Continued) **1000367428**

Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	Lead

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SIMSMETAL USA CORP	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	600 S FOURTH ST
Owner/Operator City,State,Zip:	RICHMOND, CA 94804-3504
Owner/Operator Telephone:	510-412-5300
Owner/Operator Telephone Ext:	Not reported

SIMSMETAL AMERICA (Continued) **1000367428**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: SIMSMETAL AMERICA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980715
Handler Name: SIMSMETAL AMERICA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42193
NAICS Description: RECYCLABLE MATERIAL WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

SWEEPS UST:
Name: FERROMET INC.
Address: 8822 ETIWANDA AVE
City: ETIWANDA
Status: Active
Comp Number: 54331
Number: 9
Board Of Equalization: 44-021208
Referral Date: 08-28-91
Action Date: 08-28-91
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 36-000-054331-000001
Tank Status: A

SIMSMETAL AMERICA (Continued) **1000367428**

Capacity: 9940
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Name: FERROMET INC.
Address: 8822 ETIWANDA AVE
City: ETIWANDA
Status: Active
Comp Number: 54331
Number: 9
Board Of Equalization: 44-021208
Referral Date: 08-28-91
Action Date: 08-28-91
Created Date: 02-29-88
Owner Tank Id: #2
SWRCB Tank Id: 36-000-054331-000002
Tank Status: A
Capacity: 1009
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: FERROMET INC
Address: 8822 ETIWANDA AVE
City,State,Zip: ETIWANDA, CA 91739
File Number: 00029e91
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00029e91.pdf
Region: STATE
Facility ID: 00000054331
Facility Type: Other
Other Type: RECYCLING
Contact Name: WM. HIGHTOWER
Telephone: 7148991767
Owner Name: FERROMET INC.
Owner Address: 8822 ETIWANDA AVE.
Owner City,St,Zip: ETIWANDA, CA 91739
Total Tanks: 0003

Tank Num: 001
Container Num: 0000000001
Year Installed: 1980
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #1
Year Installed: 1972
Tank Capacity: 00000555

SIMSMETAL AMERICA (Continued) **1000367428**

Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	12
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	#2
Year Installed:	1972
Tank Capacity:	00001009
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	10
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

FINDS:
Registry ID: 110002682464

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000367428
Registry ID:	110002682464
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002682464
Name:	SIMSMETAL AMERICA
Address:	8822 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739

EMI:

Name:	FERROMET INC
Address:	8822 ETIWANDA AV
City,State,Zip:	ETIWANDA, CA 91739
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	20546
Air District Name:	SC
SIC Code:	5093
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0

SIMSMETAL AMERICA (Continued) **1000367428**

Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: FERROMET INC
Address: 8822 ETIWANDA AV
City,State,Zip: ETIWANDA, CA 91739
Year: 1990
County Code: 36
Air Basin: SC
Facility ID: 20546
Air District Name: SC
SIC Code: 5093
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1

HAZNET:
Name: SIMSMETAL AMERICA/ETIWANDA DIVISION
Address: 8822 ETIWANDA AVE
Address 2: Not reported
City,State,Zip: ETIWANDA, CA 917390000
Contact: SCOTT A MILLER MNGR ENVTL AFFA
Telephone: 5104125345
Mailing Name: Not reported
Mailing Address: 600 SOUTH 4TH STREET

Year: 2003
Gepaid: CAD981368228
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 0.063

Year: 2002
Gepaid: CAD981368228
TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.45

Year: 2001
Gepaid: CAD981368228
TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 1.4

SIMSMETAL AMERICA (Continued) **1000367428**

Year: 2000
Gepaid: CAD981368228
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 5.004

Year: 2000
Gepaid: CAD981368228
TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.25

Year: 1999
Gepaid: CAD981368228
TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 3.85

Year: 1999
Gepaid: CAD981368228
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: R01 - Recycler
Tons: 8.757

Year: 1998
Gepaid: CAD981368228
TSD EPA ID: AZD983473539
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: R01 - Recycler
Tons: 3.8074

Year: 1998
Gepaid: CAD981368228
TSD EPA ID: AZD983473539
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: -
Tons: 0.4848

Year: 1998
Gepaid: CAD981368228
TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 2.8

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2003
Gen EPA ID: CAD981368228

SIMSMETAL AMERICA (Continued) **1000367428**

Shipment Date:	20030618
Creation Date:	7/22/2004 8:36:14
Receipt Date:	20030618
Manifest ID:	21193994
Trans EPA ID:	CAT080032253
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030618
Creation Date:	7/22/2004 8:36:14
Receipt Date:	20030618
Manifest ID:	21193996
Trans EPA ID:	CAT080032253
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030618
Creation Date:	7/22/2004 8:36:14
Receipt Date:	20030618
Manifest ID:	21193995
Trans EPA ID:	CAT080032253
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

SIMSMETAL AMERICA (Continued) **1000367428**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD981368228
Shipment Date:	20020613
Creation Date:	9/3/2002 18:32:13
Receipt Date:	20020620
Manifest ID:	21345596
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD981368228
Shipment Date:	20010713
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010719
Manifest ID:	21167405
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117

SIMSMETAL AMERICA (Continued) **1000367428**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010412
Creation Date:	6/20/2001 0:00:00
Receipt Date:	20010412
Manifest ID:	96772399
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD981368228

Shipment Date:	20001207
Creation Date:	2/1/2001 0:00:00
Receipt Date:	20001208
Manifest ID:	98383899
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

SIMSMETAL AMERICA (Continued) **1000367428**

Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000113
Creation Date:	3/22/2000 0:00:00
Receipt Date:	20000113
Manifest ID:	99539494
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.919
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000106
Creation Date:	3/7/2000 0:00:00
Receipt Date:	20000107
Manifest ID:	99539483
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.085
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SIMSMETAL AMERICA (Continued) **1000367428**

Additional Info:

Year:	1999
Gen EPA ID:	CAD981368228
Shipment Date:	19991018
Creation Date:	12/16/1999 0:00:00
Receipt Date:	19991018
Manifest ID:	99539264
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.6
Waste Quantity:	3200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990924
Creation Date:	11/22/1999 0:00:00
Receipt Date:	19990924
Manifest ID:	99240235
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	5.421
Waste Quantity:	1300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990922
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19991001
Manifest ID:	99539205
Trans EPA ID:	CAD982030173

SIMSMETAL AMERICA (Continued) **1000367428**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.25
Waste Quantity:	4500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990405
Creation Date:	5/20/1999 0:00:00
Receipt Date:	19990405
Manifest ID:	98165047
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.336
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD981368228

Shipment Date:	19981119
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991119
Manifest ID:	99539316
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported

SIMSMETAL AMERICA (Continued) **1000367428**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.8
Waste Quantity:	5600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980527
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980529
Manifest ID:	96212151
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD983473539
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD983473539
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.4848
Waste Quantity:	440
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980527
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980529
Manifest ID:	96212151
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD983473539
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD983473539
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported

SIMSMETAL AMERICA (Continued) **1000367428**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980527
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980529
Manifest ID:	96212151
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD983473539
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD983473539
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.8074
Waste Quantity:	3455
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SIMSMETAL AMERICA/ETIWANDA DIVISION
Address:	8822 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAD981368228
Inactive Date:	06/30/2004
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	600 SOUTH 4TH STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RICHMOND, CA 948043504
Owner Name:	SIMSMETAL USA CORPORATION
Owner Address:	600 SOUTH 4TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	RICHMOND, CA 948043504
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	SCOTT A MILLER MNGR ENVTL AFFA
Contact Address:	600 SOUTH 4TH STREET
Contact Address 2:	Not reported
City,State,Zip:	RICHMOND, CA 948043504
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL

SIMSMETAL AMERICA (Continued) **1000367428**

Latitude: 34.092675
Longitude: -117.523808

NAICS:
EPA ID: CAD981368228
Create Date: 2002-03-14 16:36:26.000
NAICS Code: 42193
NAICS Description: Recyclable Material Wholesalers
Issued EPA ID Date: 1987-04-10 00:00:00
Inactive Date: 2004-06-30 00:00:00
Facility Name: SIMSMETAL AMERICA/ETIWANDA DIVISION
Facility Address: 8822 ETIWANDA AVE
Facility Address 2: Not reported
Facility City: ETIWANDA
Facility County: Not reported
Facility State: CA
Facility Zip: 917390000

H144 **SA RECYCLING** **RCRA NonGen / NLR** **1024828030**
East **8822 ETIWANDA AVE** **CAL000359034**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.247 mi.
1302 ft. **Site 9 of 10 in cluster H**

Relative: **Lower**
Actual: **1128 ft.**

RCRA Listings:
Date Form Received by Agency: 20101129
Handler Name: Sa Recycling
Handler Address: 8822 ETIWANDA AVE
Handler City,State,Zip: RANCHO CUCAMONGA, CA 91739
EPA ID: CAL000359034
Contact Name: TESHA JOHNSON
Contact Address: 2411 N. GLASSEL
Contact City,State,Zip: ORANGE, CA 92865
Contact Telephone: 714-283-6188
Contact Fax: 714-764-3883
Contact Email: TJOHNSON@SARECYCLING.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2411 N GLASSELL
Mailing City,State,Zip: ORANGE, CA 92865-0000
Owner Name: Sa Recycling Llc
Owner Type: Other
Operator Name: Tesha Johnson
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No

SA RECYCLING (Continued) **1024828030**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SA RECYCLING LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2411 N GLASSELL STREET
Owner/Operator City,State,Zip:	ORANGE, CA 92865-0000
Owner/Operator Telephone:	714-632-2000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: TESHA JOHNSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2411 N. GLASSEL
Owner/Operator City,State,Zip:	ORANGE, CA 92865

SA RECYCLING (Continued) **1024828030**

Owner/Operator Telephone: 714-283-6188
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20101129
Handler Name: SA RECYCLING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42193
NAICS Description: RECYCLABLE MATERIAL WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H145 **DP ETIWANDA** **RCRA-SQG** **1027095248**
East **8822 ETIWANDA AVENUE** **CAP000332783**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.247 mi.
1302 ft. **Site 10 of 10 in cluster H**

Relative: **Lower**
Actual: **1128 ft.**

RCRA Listings:
Date Form Received by Agency: 20220104
Handler Name: Dp Etiwanda
Handler Address: ETIWANDA AVENUE
Handler City,State,Zip: RANCHO CUCAMONGA, CA 91739
EPA ID: CAP000332783
Contact Name: ALON KRAFT
Contact Address: WILSHIRE BOULEVARD, SUITE 250
Contact City,State,Zip: SANTA MONICA, CA 90401
Contact Telephone: 323-984-7729
Contact Fax: Not reported
Contact Email: ALONK@DEDEAUXPROPERTIES.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

DP ETIWANDA (Continued) **1027095248**

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ETIWANDA AVENUE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	Dp Etiwanda, Llc
Owner Type:	Private
Operator Name:	Dp Etiwanda, Llc
Operator Type:	Private
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Yes
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	Lead

Handler - Owner Operator:

Owner/Operator Indicator:	Owner

DP ETIWANDA (Continued) **1027095248**

Owner/Operator Name: DP ETIWANDA, LLC
Legal Status: Private
Date Became Current: 20211116
Date Ended Current: Not reported
Owner/Operator Address: 1299 OCEAN AVENUE, 9TH FLOOR
Owner/Operator City,State,Zip: SANTA MONICA, CA 90401
Owner/Operator Telephone: 323-981-8226
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: DHERNANDEZ@RAMBOLL.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: DP ETIWANDA, LLC
Legal Status: Private
Date Became Current: 20211129
Date Ended Current: Not reported
Owner/Operator Address: 100 WILSHIRE BOULEVARD, SUITE 250
Owner/Operator City,State,Zip: SANTA MONICA, CA 90401
Owner/Operator Telephone: 323-981-8226
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: BENH@DEDEAUXPROPRTIES.COM

Historic Generators:
Receive Date: 20220104
Handler Name: DP ETIWANDA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 48851
NAICS Description: FREIGHT TRANSPORTATION ARRANGEMENT

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I146 **GEORGIA-PACIFIC** **RCRA NonGen / NLR** **1027072998**
East **8688 ETIWANDA AVENUE** **CAC003144605**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.248 mi.
1311 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
1142 ft.

RCRA Listings:

Date Form Received by Agency:	20211021
Handler Name:	Georgia-Pacific
Handler Address:	8688 ETIWANDA AVENUE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC003144605
Contact Name:	JIM STAUFFER
Contact Address:	8688 ETIWANDA AVENUE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	678-428-2845
Contact Fax:	Not reported
Contact Email:	JAMES.STAUFFER@GAPAC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8688 ETIWANDA AVENUE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	Georgia-Pacific Williams
Owner Type:	Other
Operator Name:	Jim Stauffer
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

GEORGIA-PACIFIC (Continued) **1027072998**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211021
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: GEORGIA-PACIFIC WILLIAMS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8688 ETIWANDA AVENUE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	678-428-2845
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JIM STAUFFER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8688 ETIWANDA AVENUE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	678-428-2845
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20211021
Handler Name: GEORGIA-PACIFIC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

GEORGIA-PACIFIC (Continued) **1027072998**

List of NAICS Codes and Descriptions:
NAICS Code: 49311
NAICS Description: GENERAL WAREHOUSING AND STORAGE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I147 **NATIONAL DISTRIBUTION CENTERS** **RCRA NonGen / NLR** **1024851433**
East **8688 ETIWANDA AVE** **CAL000409980**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.248 mi.
1311 ft. **Site 2 of 4 in cluster I**

Relative:
Higher

Actual:
1142 ft.

RCRA Listings:

Date Form Received by Agency:	20150909
Handler Name:	National Distribution Centers
Handler Address:	8688 ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000409980
Contact Name:	STEFAN RADUHA
Contact Address:	2496 TECHNOLOGY DRIVE
Contact City,State,Zip:	ELGIN, IL 60124
Contact Telephone:	847-888-0276
Contact Fax:	847-888-0279
Contact Email:	COMPLIANCE@JMMGLOBAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	15835 SAN ANTONIO AVE
Mailing City,State,Zip:	CHINO, CA 91708-7608
Owner Name:	National Distribution Centers Lp
Owner Type:	Other
Operator Name:	Stefan Raduha
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes

NATIONAL DISTRIBUTION CENTERS (Continued) **1024851433**

Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NATIONAL DISTRIBUTION CENTERS LP	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1515 BURNT MILL RD
Owner/Operator City,State,Zip:	CHERRY HILL, NJ 08003
Owner/Operator Telephone:	856-857-1324
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: STEFAN RADUHA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2496 TECHNOLOGY DRIVE
Owner/Operator City,State,Zip:	ELGIN, IL 60124
Owner/Operator Telephone:	847-888-0276
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NATIONAL DISTRIBUTION CENTERS (Continued) **1024851433**

Historic Generators:
Receive Date: 20150909
Handler Name: NATIONAL DISTRIBUTION CENTERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 53113
NAICS Description: LESSORS OF MINIWAREHOUSES AND SELF-STORAGE UNITS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I148 **NATIONAL DISTRIBUTION CENTERS LLC** **NPDES** **S118839868**
East **8688 ETIWAND AVE** **San Bern. Co. Permit** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **CERS**
0.248 mi.
1311 ft. **Site 3 of 4 in cluster I**

Relative:
Higher

Actual:
1142 ft.

NPDES:
Name: NATIONAL DISTRIBUTION CENTERS LLC
Address: 8688 ETIWAND AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Facility Status: Active
NPDES Number: CAS000001
Region: 8
Agency Number: 0
Regulatory Measure ID: 472126
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 8 36NEC003000
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 02/21/2017
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 8688 Etiwand Ave
Discharge Name: National Distribution Centers LLC
Discharge City: Rancho Cucamonga
Discharge State: California
Discharge Zip: 91739
Status: Not reported
Status Date: Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	472126
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36NEC003000
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/31/2017
Processed Date:	02/21/2017
Status:	Active
Status Date:	02/21/2017
Place Size:	27.25
Place Size Unit:	Acres
Contact:	Mia Crespo
Contact Title:	General Manager
Contact Phone:	909-477-2800
Contact Phone Ext:	Not reported
Contact Email:	mia.crespo@nfiindustries.com
Operator Name:	National Distribution Centers LLC
Operator Address:	8688 Etiwand Ave
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Mark Winsborrow
Operator Contact Title:	Director of Safety
Operator Contact Phone:	909-393-1007
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mark.winsborrow@nfiindustries.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-297-6440
Emergency Phone Ext:	Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River Basin
Certifier:	Mark Winsborrow
Certifier Title:	Director of Safety
Certification Date:	31-JAN-17
Primary Sic:	4225-General Warehousing and Storage
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	472126
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36NEC003000
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/21/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	National Distribution Centers LLC
Discharge Address:	8688 Etiwand Ave
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	NATIONAL DISTRIBUTION CENTERS LLC
Address:	8688 ETIWAND AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36NEC003000
Regulatory Measure Type:	Industrial

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	02/21/2017
Operator Name:	National Distribution Centers LLC
Operator Address:	8688 Etiwand Ave
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	472126
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36NEC003000
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/31/2017
Processed Date:	02/21/2017
Status:	Active
Status Date:	02/21/2017
Place Size:	27.25
Place Size Unit:	Acres
Contact:	Mia Crespo
Contact Title:	General Manager
Contact Phone:	909-477-2800
Contact Phone Ext:	Not reported
Contact Email:	mia.crespo@nfiindustries.com
Operator Name:	National Distribution Centers LLC
Operator Address:	8688 Etiwand Ave
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Mark Winsborrow
Operator Contact Title:	Director of Safety
Operator Contact Phone:	909-393-1007
Operator Contact Phone Ext:	Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Operator Contact Email:	mark.winsborrow@nfiindustries.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-297-6440
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River Basin
Certifier:	Mark Winsborrow
Certifier Title:	Director of Safety
Certification Date:	31-JAN-17
Primary Sic:	4225-General Warehousing and Storage
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	472126
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36NEC003000
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/21/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	National Distribution Centers LLC
Discharge Address:	8688 Etiwand Ave
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

San Bern. Co. Permit:
Name: NATIONAL DISTRIBUTION CENTERS LLC
Address: 8688 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0016848
Owner: National Distribution Centers LLC
Permit Number: PT0036154
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 08/31/2023

Name: NATIONAL DISTRIBUTION CENTERS LLC
Address: 8688 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0016848
Owner: National Distribution Centers LLC
Permit Number: PT0037375
Permit Category: HAZWASTE GENERAL ACTIVITY (NB)
Facility Status: FEE EXEMPT
Expiration Date: 08/31/2017

CERS:
Name: NATIONAL DISTRIBUTION CENTERS LLC
Address: 8688 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 398074
CERS ID: 10662277
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 398074
Facility Name: National Distribution Centers LLC
Env Int Type Code: HMBP
Program ID: 10662277
Coord Name: Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.095660
Longitude: -117.523850

Affiliation:
Affiliation Type Desc: Property Owner
Entity Name: Goodman Birtcher
Entity Title: Not reported
Affiliation Address: 15201 Von Karmen Ave
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92612
Affiliation Phone: (949) 407-0151,

Affiliation Type Desc: Document Preparer
Entity Name: Benjamin Andrew
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 8688 Etiwanda Ave
Affiliation City: Rancho Cucamonga
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Benjamin Andrew
Entity Title: Sr Director of Occupational Health and Safety
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Legal Owner
Entity Name: NATIONAL DISTRIBUTION CENTERS LLC

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Entity Title:	Not reported
Affiliation Address:	2 Cooper St
Affiliation City:	Camden
Affiliation State:	NJ
Affiliation Country:	United States
Affiliation Zip:	08102
Affiliation Phone:	(800) 922-5088,
Affiliation Type Desc:	Operator
Entity Name:	NATIONAL DISTRIBUTION CENTERS LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 463-5530,
Affiliation Type Desc:	Parent Corporation
Entity Name:	National Distribution Centers L.P.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Ben Andrew
Entity Title:	Not reported
Affiliation Address:	15913 Mountain Ave
Affiliation City:	Chino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91708
Affiliation Phone:	,

I149 **GEORGIA PACIFIC** **RCRA NonGen / NLR** **1025849314**
East **8688 ETIWANDA AVE** **CAC003029377**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.248 mi.
1311 ft. **Site 4 of 4 in cluster I**

Relative: **Higher**

Actual: **1142 ft.**

RCRA Listings:

Date Form Received by Agency:	20190814
Handler Name:	Georgia Pacific
Handler Address:	8688 ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC003029377
Contact Name:	CHRISTINE ROCKWOOD
Contact Address:	8688 ETIWANDA AVE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	909-635-8620
Contact Fax:	Not reported
Contact Email:	CHRISTINA.ROCKWOOD@GAPAC.COM
Contact Title:	Not reported

GEORGIA PACIFIC (Continued) **1025849314**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8688 ETIWANDA AVE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	Christine Rockwood
Owner Type:	Other
Operator Name:	Christine Rockwood
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

GEORGIA PACIFIC (Continued) **1025849314**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHRISTINE ROCKWOOD	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8688 ETIWANDA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-635-8620
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHRISTINE ROCKWOOD	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8688 ETIWANDA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-635-8620
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190814
Handler Name: GEORGIA PACIFIC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

J150 **GENERATING STATION,ETIWANDA** **WMUDS/SWAT** **S103442798**
ESE **8996 ETIWANDA AVENUE** **CHMIRS** **N/A**
1/4-1/2 **RANCHO CUCAMONGA CA, CA 91739**
0.279 mi.
1472 ft. **Site 1 of 4 in cluster J**

Relative: **Lower**

Actual: **1114 ft.**

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Primary Waste:	PROCES
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	MOUNTAIN VISTA POWER GEN., LLC
Agency Department:	Not reported
Agency Address:	1111 LOUISIANA, 16TH FLOOR
Agency City,St,Zip:	HOUSTON TX 77002
Agency Contact:	F. J. MEYER
Agency Telephone:	7132076000
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	8
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4911
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	True
Resource Conservation Recovery Act:	True
Department of Defence:	False

GENERATING STATION,ETIWANDA (Continued) **S103442798**

Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	True
Regional Board Project Officer:	RA
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	8 362300001
Solid Waste Information ID:	Not reported

CHMIRS:

Name:	Not reported
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
OES Incident Number:	9-2781
OES notification:	07/01/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Chadwick Channel
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported

GENERATING STATION,ETIWANDA (Continued) **S103442798**

Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	Etiwanda Generating Station
Incident Date:	6/30/199912:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	Cooling Tower Water
Gallons:	500
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Equipment malfuntion caused release. 500 gallons went into Chadwick Channel (dry Channel) which eventually ends up at the Santa Ana River. Recovered all substance utilizing vacuum trucks. Nothing left the property

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J151 **SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING S** **ENVIROSTOR** **S108206306**
ESE **8998 ETIWANDA AVENUE** **San Bern. Co. Permit** **N/A**
1/4-1/2 **SAN BERNARDINO, CA 91739**
0.280 mi.
1476 ft. **Site 2 of 4 in cluster J**

Relative: ENVIROSTOR:
Lower

Name:	SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION
Address:	8998 ETIWANDA AVENUE
City,State,Zip:	SAN BERNARDINO, CA 91739
Facility ID:	60001192
Status:	Active
Status Date:	02/02/1995
Site Code:	401967
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	37
NPL:	NO
Regulatory Agencies:	HWMP
Lead Agency:	HWMP
Program Manager:	Steven Rounds
Supervisor:	Andres Cano
Division Branch:	Cleanup Chatsworth
Assembly:	50

Actual:
1114 ft.

SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION (Continued) **S108206306**

Senate: 29
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.08999
Longitude: -117.5240
APN: NONE SPECIFIED
Past Use: ABOVE GROUND STORAGE TANKS
Potential COC: Polychlorinated biphenyls (PCBs Vanadium and compounds
Confirmed COC: 30587-NO 30018-NO
Potential Description: SOIL
Alias Name: CAD079548574
Alias Type: EPA Identification Number
Alias Name: 400437
Alias Type: Project Code (Site Code)
Alias Name: 401962
Alias Type: Project Code (Site Code)
Alias Name: 401967
Alias Type: Project Code (Site Code)
Alias Name: 60001192
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 09/10/2012
Comments: NOE sent to CEQA unit for filing with State Clearinghouse.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Judicial Order
Completed Date: 02/06/1995
Comments: Order signed and recorded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/29/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/14/2010
Comments: Review of annual groundwater monitoring results - no letter issued to facility

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION (Continued) **S108206306**

Completed Date: 06/02/2011
Comments: DTSC internal review, no letter issued

Completed Area Name: Black Creek Parcel - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/03/2021
Comments: Not reported

Completed Area Name: IEUA PARCEL
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/08/2021
Comments: Not reported

Future Area Name: Black Creek Parcel - MULTIPLE SITES
Future Sub Area Name: Not reported
Future Document Type: RFI Report
Future Due Date: 2023
Schedule Area Name: IEUA PARCEL
Schedule Sub Area Name: Not reported
Schedule Document Type: RFI Report
Schedule Due Date: 05/28/2023
Schedule Revised Date: Not reported

San Bern. Co. Permit:
Name: ETIWANDA FACILITY
Address: 8998 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002929
Owner: PACIFIC TERMINALS
Permit Number: PT0009394
Permit Category: HAZARDOUS WASTE GENERATOR - 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 08/31/2004

Name: ETIWANDA FACILITY
Address: 8998 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002929
Owner: PACIFIC TERMINALS
Permit Number: PT0009393
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status: INACTIVE
Expiration Date: 08/31/2004

Name: ETIWANDA FACILITY
Address: 8998 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002929
Owner: PACIFIC TERMINALS
Permit Number: PT0009397
Permit Category: ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)
Facility Status: INACTIVE

SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION (Continued) **S108206306**

Expiration Date: 08/31/2004

J152 **ETIWANDA PUMPING STATION & TANK FARM** **HWP** **S113128110**
ESE **8998 ETIWANDA AVE** **HAZNET** **N/A**
1/4-1/2 **ETIWANDA, CA 91739** **HWTS**
0.280 mi.
1476 ft. **Site 3 of 4 in cluster J**

Relative: **Lower**
Actual: **1114 ft.**

HWP:

EPA ID:	CAD079548574
Name:	EPTC ETIWANDA
Address:	8998 ETIWANDA AVE
Cleanup Status:	CLOSED
Latitude:	34.09292
Longitude:	-117.5241
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	400437
Senate District:	29
Assembly District:	50
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Facility Description / History: Southern California Edison facilities are located in Los Angeles County. In the 1980s, the facilities generated and then stored hazardous waste in two surface impoundments. Permitting Regulatory Description / History: Southern California Edison facilities applied for a RCRA Permit. However, DTSC did not issue the facilities a permit and were exempted from Hazardous Waste RCRA Permit fee requirements. The facilities were then granted an Interim Status documented on March 30, 1981. Then granted a Variance Status on January 29, 1987, valid for 180 days, allowing the facility to perform on-site treatment for their liquid hazardous waste. On February 1, 1995, a Final Judgement Pursuant to Stipulation, court order No. BC121219, was issued to close the Southern California Edison facilities: Alamitos, Cool Water, El Segundo, Etiwanda, Huntington Beach, Highgrove, Long Beach, Mandalay, Ormond Beach, Redondo Beach, and San Bernardino. The facilities had violated Hazardous Waste Laws and received cost penalties. In response to the court order, the Southern California Edison (SCE) performed the investigation and activities to close two wastewater retention basins that had operated without a permit or other form of authorization from the DTSC. The facilities were passed onto Corrective Action for closure. On December 21, 2011, EPTC-Etiwanda received a closure certification for their closed units.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	76-80%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Closure:

EPA ID:	CAD079548574
Facility Type:	Historical - Non-Operating

ETIWANDA PUMPING STATION & TANK FARM (Continued) **S113128110**

Facility Name:	EPTC ETIWANDA
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of Surface Impoundments
Due Date:	Not reported
Comments:	Facility was issued for closure on February 1, 1995. Facility units were all closed on December 21, 2011.
Unit Names:	Boiler Chemical Cleaning Basin (BCCB), North Wastewaster Retention Basin, South Wastewater Retention Basin, Unit 1 Fireside Wash Drain System, Unit 1: Boiler Acid Wash Drain System, Unit 2: Boiler Acid Wash Drain Syste,, Unit 2: Fireside Wash Drain System, Unit 3: Boiler Acid Wash Drain System, Unit 3: Fireside Wash Drain System , Unit 3: Fireside Wash System Sediment Tr, Unit 4: Acid Wash Drain System, Unit 4: Fireside Wash Drain System , Unit 4: Fireside Wash System Sediment Tr
Event Description:	Closure Final - CLOSURE NOTICE RECEIVED
Actual Date:	12/21/2011

EPA ID:	CAD079548574
Facility Type:	Historical - Non-Operating
Facility Name:	EPTC ETIWANDA
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of Surface Impoundments
Due Date:	Not reported
Comments:	Facility units were all closed/certified on December 21, 2011.
Unit Names:	Boiler Chemical Cleaning Basin (BCCB), North Wastewaster Retention Basin, South Wastewater Retention Basin, Unit 1 Fireside Wash Drain System, Unit 1: Boiler Acid Wash Drain System, Unit 2: Boiler Acid Wash Drain Syste,, Unit 2: Fireside Wash Drain System, Unit 3: Boiler Acid Wash Drain System, Unit 3: Fireside Wash Drain System , Unit 3: Fireside Wash System Sediment Tr, Unit 4: Acid Wash Drain System, Unit 4: Fireside Wash Drain System , Unit 4: Fireside Wash System Sediment Tr
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	12/21/2015

Alias:

EPA ID:	CAD079548574
Facility Type:	Historical - Non-Operating
Facility Name:	EPTC ETIWANDA
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported

ETIWANDA PUMPING STATION & TANK FARM (Continued) **S113128110**

Alias Type: Project Code (Site Code)
Alias: 400437

EPA ID: CAD079548574
Facility Type: Historical - Non-Operating
Facility Name: EPTC ETIWANDA
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Alternate Name
Alias: SCE Etiwanda

EPA ID: CAD079548574
Facility Type: Historical - Non-Operating
Facility Name: EPTC ETIWANDA
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Alternate Name
Alias: San Gabriel Generating Station

HAZNET:
Name: ETIWANDA PUMPING STATION & TANK FARM
Address: 8998 ETIWANDA AVE
Address 2: Not reported
City,State,Zip: ETIWANDA, CA 91739
Contact: ANN GOODINE
Telephone: 5627282851
Mailing Name: Not reported
Mailing Address: 5900 CHERRY AVE

Year: 2005
Gepaid: CAL000274193
TSD EPA ID: CAD980675276
CA Waste Code: 241 - Tank bottom waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 1.69

Additional Info:
Year: 2005
Gen EPA ID: CAL000274193

Shipment Date: 20050726
Creation Date: 10/27/2005 10:10:50
Receipt Date: 20050726
Manifest ID: 93415942
Trans EPA ID: CAT080032253
Trans Name: OC VACUUM
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: CLEAN HARBORS BUTTONWILLOW LLC

ETIWANDA PUMPING STATION & TANK FARM (Continued) **S113128110**

TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.69
Waste Quantity:	3380
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ETIWANDA PUMPING STATION & TANK FARM
Address:	8998 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAL000274193
Inactive Date:	08/29/2007
Create Date:	08/29/2003
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	5900 CHERRY AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 908054408
Owner Name:	PACIFIC TERMINALS LLC
Owner Address:	5900 CHERRY AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 908054408
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	ANN GOODINE
Contact Address:	5900 CHERRY AVE
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908054408
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.090749
Longitude:	-117.523795

NAICS:

EPA ID:	CAL000274193
Create Date:	2003-08-29 12:22:33.293
NAICS Code:	48611
NAICS Description:	Pipeline Transportation of Crude Oil
Issued EPA ID Date:	2003-08-29 12:22:33.29300
Inactive Date:	2007-08-29 00:00:00
Facility Name:	ETIWANDA PUMPING STATION & TANK FARM
Facility Address:	8998 ETIWANDA AVE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported

ETIWANDA PUMPING STATION & TANK FARM (Continued) **S113128110**

Facility State: CA
Facility Zip: 91739

J153 **EPTC ETIWANDA** **CORRACTS** **1000167575**
ESE **8998 ETIWANDA AVE** **RCRA NonGen / NLR** **CAD079548574**
1/4-1/2 **ETIWANDA, CA 91739**
0.280 mi.
1476 ft. **Site 4 of 4 in cluster J**

Relative:
Lower

Actual:
1114 ft.

CORRACTS:

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN RECEIVED
Actual Date: 20210324
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY
Actual Date: 20210427
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Actual Date: 20210427
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: NORTH WASTEWATER RETENTION BASIN
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

EPTC ETIWANDA (Continued) **1000167575**

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: SOUTH WASTEWATER RETENTION BASIN
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: BOILER CHEMICAL CLEANING BASIN
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 1 AND 2 FIRESIDE WASH DRAIN SYSTEM
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 3 AND 4 FIRESIDE WASH DRAIN SYSTEM
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 3 AND 4 FIRESIDE WASH SYSTEM SEDIM
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported

EPTC ETIWANDA (Continued) **1000167575**

Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 1 AND 2 BOILER ACID WASH DRAIN SYS
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 3 AND 4 BOILER ACID WASH DRAIN SYS
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
2 additional CORRACTS: record(s) in the EDR Site Report.

RCRA Listings:
Date Form Received by Agency: 20230228
Handler Name: Eptc Etiwanda
Handler Address: 8998 ETIWANDA AVE
Handler City,State,Zip: ETIWANDA, CA 91739
EPA ID: CAD079548574
Contact Name: SARA DUVALL
Contact Address: 2244 WALNUT GROVE AVENUE
Contact City,State,Zip: ROSEMEAD, CA 91770
Contact Telephone: 626-862-8458
Contact Fax: Not reported
Contact Email: SARA.DUVALL@SCE.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Corrective Action Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2244 WALNUT GROVE AVENUE
Mailing City,State,Zip: ROSEMEAD, CA 91770
Owner Name: So California Edison Eptc
Owner Type: Private
Operator Name: Southern California Edison

EPTC ETIWANDA (Continued) **1000167575**

Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230307
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D008
Waste Description:	Lead
Waste Code:	D018
Waste Description:	Benzene
Waste Code:	F001
Waste Description:	The Following Spent Halogenated Solvents Used In Degreasing: Tetrachloroethylene, Trichlorethylene, Methylene Chloride, 1,1,1-Trichloroethane, Carbon Tetrachloride And Chlorinated

EPTC ETIWANDA (Continued) **1000167575**

Fluorocarbons; All Spent Solvent Mixtures/Blends Used In Degreasing Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F002
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SOUTHERN CALIFORNIA EDISON	
Legal Status:	Private
Date Became Current:	19600101
Date Ended Current:	Not reported
Owner/Operator Address:	2244 WALNUT GROVE AVENUE
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770
Owner/Operator Telephone:	626-862-8458
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	SARA.DUVALL@SCE.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name: SO CALIFORNIA EDISON EPTC	
Legal Status:	Private
Date Became Current:	19600101
Date Ended Current:	Not reported
Owner/Operator Address:	2244 WALNUT GROVE AVENUE

EPTC ETIWANDA (Continued) **1000167575**

Owner/Operator City,State,Zip: ROSEMEAD, CA 91770
Owner/Operator Telephone: 626-862-8458
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: SARA.DUVALL@SCE.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: SO CALIFORNIA EDISON EPTC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2500 E VICTORIA ST
Owner/Operator City,State,Zip: COMPTON, CA 90220
Owner/Operator Telephone: 310-223-1904
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20230228
Handler Name: EPTC ETIWANDA
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19981020
Handler Name: EPTC ETIWANDA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900328
Handler Name: SOUTHERN CALIFORNIA EDISON ETIWAN
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

EPTC ETIWANDA (Continued) **1000167575**

Receive Date: 19920228
Handler Name: SO. CALIF. EDISON CO. ETIWANDA GEN. STA.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960227
Handler Name: SOUTHERN CALIFORNIA EDISON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990316
Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 22111
NAICS Description: ELECTRIC POWER GENERATION

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19930923
Actual Return to Compliance Date: 19950201
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001

EPTC ETIWANDA (Continued) **1000167575**

Date of Enforcement Action: 19930923
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19980618
Actual Return to Compliance Date: 19980716
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19980718
Enforcement Identifier: 003
Date of Enforcement Action: 19980618
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

EPTC ETIWANDA (Continued) **1000167575**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930923
Actual Return to Compliance Date: 19950201
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19930923
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19930923
Actual Return to Compliance Date: 19950201
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001

EPTC ETIWANDA (Continued) **1000167575**

Date of Enforcement Action: 19930923
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19980618
Actual Return to Compliance Date: 19980716
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19980718
Enforcement Identifier: 003
Date of Enforcement Action: 19980618
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

EPTC ETIWANDA (Continued) **1000167575**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930923
Actual Return to Compliance Date: 19950201
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19950201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1950000
Paid Amount: 1633200
Final Count: 1
Final Amount: 1950000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19930923
Actual Return to Compliance Date: 19950201
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002

EPTC ETIWANDA (Continued) **1000167575**

Date of Enforcement Action: 19950201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1950000
Paid Amount: 1633200
Final Count: 1
Final Amount: 1950000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19980618
Actual Return to Compliance Date: 19980716
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19980718
Enforcement Identifier: 003
Date of Enforcement Action: 19980618
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported

EPTC ETIWANDA (Continued) **1000167575**

SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19930923
Actual Return to Compliance Date: 19950201
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19950201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1950000
Paid Amount: 1633200
Final Count: 1
Final Amount: 1950000

Evaluation Action Summary:
Evaluation Date: 19920529
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950201
Scheduled Compliance Date: Not reported

EPTC ETIWANDA (Continued) **1000167575**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980618
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980716
Scheduled Compliance Date:	19980718
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920529
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920529
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980618
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980716
Scheduled Compliance Date:	19980718
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EPTC ETIWANDA (Continued) **1000167575**

Evaluation Date:	19920529
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920529
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19980618
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980716
Scheduled Compliance Date:	19980718
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920529
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

154
SW
1/4-1/2
0.325 mi.
1716 ft.

FOSECO CUCAMONGA
7TH ST OFF ROCHESTER AVE
RANCHO CUCAMONGA, CA 91730

SEMS-ARCHIVE
RCRA-SQG
ENVIROSTOR
HIST UST

1000200995
CAD053844395

Relative:
Lower

Actual:
1107 ft.

SEMS Archive:

Site ID:	0901435
EPA ID:	CAD053844395
Name:	FOSECO INC
Address:	7TH ST OFF ROCHESTER AVE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Cong District:	35
FIPS Code:	06071
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901435
EPA ID:	CAD053844395
Site Name:	FOSECO INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0901435
EPA ID:	CAD053844395
Site Name:	FOSECO INC
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1981-05-01 04:00:00
Finish Date:	1981-05-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901435
EPA ID:	CAD053844395
Site Name:	FOSECO INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1

FOSECO CUCAMONGA (Continued) **1000200995**

Start Date: Not reported
Finish Date: 1988-11-01 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901435
EPA ID: CAD053844395
Site Name: FOSECO INC
NPL: N
FF: N
OU: 00
Action Code: HX
Action Name: PRE-CERC
SEQ: 1
Start Date: Not reported
Finish Date: 2000-08-03 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901435
EPA ID: CAD053844395
Site Name: FOSECO INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1984-10-01 05:00:00
Finish Date: 1985-02-01 06:00:00
Qual: L
Current Action Lead: St Perf

RCRA Listings:

Date Form Received by Agency: 19960901
Handler Name: Foseco Cucamonga
Handler Address: 7TH ST OFF ROCHESTER AVE
Handler City,State,Zip: RANCHO CUCAMONGA, CA 91730
EPA ID: CAD053844395
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Ca

FOSECO CUCAMONGA (Continued) **1000200995**

State District:	4
Mailing Address:	PO BOX 219
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999

FOSECO CUCAMONGA (Continued) **1000200995**

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: FOSECO CUCAMONGA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19820203
Handler Name: FOSECO CUCAMONGA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FOSECO CUCAMONGA (Continued) **1000200995**

ENVIROSTOR:
Name: FOSECO, INC
Address: 7TH STREET OFF ROCHESTER AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91730
Facility ID: 36280006
Status: Refer: Other Agency
Status Date: 08/22/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: Not reported
Senate: Not reported
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HYDROCARBON SOLVENTS * OTHER ORGANIC SOLIDS * POLYMERIC RESIN WASTE
Not reported
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD053844395
Alias Type: EPA Identification Number
Alias Name: 110008262192
Alias Type: EPA (FRS #)
Alias Name: 36280006
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/01/1995
Comments: DATABASE VALIDATION CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/21/1984
Comments: T/C WITH W.R.RAE, FOSECO, (216)826-4548, 6/14/84 - 1) SOURCE ACT: MFG OF FOUNDRY SUPPLIES. 2) FAC TYPE: 40 FOOT DISPOSAL DISCHARGE. 3) WASTE TYPE: PROCESS EFFLU- ENT ON SURFACE AS SOLIDS. COMPOS-UREA, PHENOLIC TYPE RESIN WASTES & POSSIBLY FORMALDEHYDE 500 TO 700 GAL/MONTH, 99% WATER AND SAND; CURRENTLY CO OPERATES A WAREHOUSE. FINAL STRATEGY RECOMMENDATION: SAMPLING FOR MIGRATION OF EFFLUENT OFFSITE SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

FOSECO CUCAMONGA (Continued) **1000200995**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	10/12/1983
Comments:	FACILITY IDENTIFIED ERRIS

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	12/21/1982
Comments:	FACILITY IDENTIFIED WADE'S QUESTIONNAIRE (1980) CHEMICAL MFG

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HIST UST:

Name:	FOSECO INC
Address:	7TH STREET OFF ROCHESTER
City,State,Zip:	RANCHO CUCAMONGA, CA 91730
File Number:	00029ec2
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00029ec2.pdf
Region:	STATE
Facility ID:	00000021440
Facility Type:	Other
Other Type:	STEELMILL AND FOUNDR
Contact Name:	LUIS NEZARRO
Telephone:	7149876257
Owner Name:	FOSECO, INC.
Owner Address:	20200 SHELDON ROAD
Owner City,St,Zip:	CLEVELAND, OH 44142
Total Tanks:	0002

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

FOSECO CUCAMONGA (Continued) **1000200995**

Click here for Geo Tracker PDF:

155
ESE
1/4-1/2
0.344 mi.
1816 ft.

ALL STATE RECYCLING
8949 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA 91739

CPS-SLIC **S109435189**
CERS **N/A**

Relative:
Lower

Actual:
1111 ft.

CPS-SLIC:

Name:	ALL STATE RECYCLING
Address:	8949 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/28/2013
Global Id:	T10000004163
Lead Agency:	SAN BERNARDINO COUNTY
Lead Agency Case Number:	RO0001337V
Latitude:	34.090844
Longitude:	-117.522725
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN BERNARDINO COUNTY
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Lead
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	05/08/2012
Leak Reported Date:	04/09/2012
How Discovered:	Site Assessment/Site Investigation
How Discovered Description:	contamination discovered during site investigation
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	06/28/2013
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	76-80%
CA Enviroscreen 4 Score:	65-70%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	ALL STATE RECYCLING
Address:	8949 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	633255

ALL STATE RECYCLING (Continued) **S109435189**

CERS ID: T10000004163
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: CURTIS BRUNDAGE - SAN BERNARDINO COUNTY
Entity Title: Not reported
Affiliation Address: 620 S. E STREET
Affiliation City: SAN BERNARDINO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

---

156 **PACIFIC RECYCLING ENTERPRISES** **SEMS-ARCHIVE** **1003879838**
East **13012 WITTRAM AVE.** **CAD983659970**
1/4-1/2 **RANCHO CUCAMONGA, CA 91730**
0.436 mi.
2304 ft.

Relative:
Lower

Actual:
1129 ft.

SEMS Archive:
Site ID: 0904783
EPA ID: CAD983659970
Name: PACIFIC RECYCLING ENTERPRISES
Address: 13012 WITTRAM AVE.
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91730
Cong District: 35
FIPS Code: 06071
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0904783
EPA ID: CAD983659970
Site Name: PACIFIC RECYCLING ENTERPRISES
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1993-09-22 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0904783
EPA ID: CAD983659970
Site Name: PACIFIC RECYCLING ENTERPRISES
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA

PACIFIC RECYCLING ENTERPRISES (Continued) **1003879838**

SEQ:	1
Start Date:	Not reported
Finish Date:	1993-09-22 04:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0904783
EPA ID:	CAD983659970
Site Name:	PACIFIC RECYCLING ENTERPRISES
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1993-02-23 05:00:00
Finish Date:	1993-02-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

K157 **INLAND EMPIRE REGIONAL COMPOSTING FACILITY** **LOS ANGELES CO LF METHANE** **S127128193**
SSE **N/A**
1/4-1/2 **, CA**
0.458 mi.
2420 ft. **Site 1 of 3 in cluster K**

Relative: LOS ANGELES CO LF METHANE:
Lower

Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address:	Not reported
City,State,Zip:	CA
Site Number:	2733
Status:	Not reported
Description:	Not reported
Operator Name:	Not reported
Operator Telephone:	Not reported
Sup District:	Not reported
Shape Length:	Not reported
Shape Area:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Actual:
1092 ft.

K158 **INLAND EMPIRE REGIONAL COMPOSTING FACILITY** **SWF/LF** **S113151672**
SSE **12645 6TH ST.** **HAZNET** **N/A**
1/4-1/2 **RANCHO CUCAMONGA, CA 91739** **HWTS**
0.466 mi.
2459 ft. **Site 2 of 3 in cluster K**

Relative: LOS ANGELES CO. LF:
Lower

Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address:	12645 6TH ST.
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	2733
Alt. Site Name:	N/A
Alt. Address:	N/A

Actual:
1092 ft.

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Site Contact:	Not reported
Site Contact Phone:	(909) 993-1500
Site Email:	Not reported
Site Website:	N/A
Site Type:	Out-of-County Facility
Site SWIS Number:	36-AA-0423
Beginning Operation Date:	N/A
Ending Operation Date:	N/A
Local Enforcement Agency:	County of San Bernardino Div. of Environmental Health Services
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	420
Present Use:	Solid Waste Operation
Remaining Capacity(Million):	N/A
Status:	Active
Waste Accepted:	Green Materials;
Hours of Operation:	Monday - Friday 7 am - 5 pm
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Unknown
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Not reported
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported
District:	Not reported
Site Mailing Address:	N/A

HAZNET:

Name:	INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Address:	12645 6TH ST
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917399223
Contact:	JEFF ZIEGENBEIN
Telephone:	9099931500
Mailing Name:	Not reported
Mailing Address:	12645 6TH ST
Year:	2021
Gepaid:	CAL000329825
TSD EPA ID:	AZR000520478
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.22936
Year:	2021
Gepaid:	CAL000329825
TSD EPA ID:	AZR000520478
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.18
Year:	2021
Gepaid:	CAL000329825
TSD EPA ID:	AZR000520478
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.60551
Year:	2020
Gepaid:	CAL000329825
TSD EPA ID:	AZR000520478
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.418
Year:	2020
Gepaid:	CAL000329825
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0924
Year:	2020
Gepaid:	CAL000329825
TSD EPA ID:	AZR000520478
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.22936
Year:	2020
Gepaid:	CAL000329825
TSD EPA ID:	AZR000520478
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06
Year:	2019
Gepaid:	CAL000329825
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.04200
Year:	2017
Gepaid:	CAL000329825
TSD EPA ID:	CAD982444481
CA Waste Code:	221 - Waste oil and mixed oil

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.646
Year:	2017
Gepaid:	CAL000329825
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.126

Click this hyperlink while viewing on your computer to access
13 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAL000329825
Shipment Date:	6/15/2020
Creation Date:	7/9/2020
Receipt Date:	6/19/2020
Manifest ID:	021591873JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SVCS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0924
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22936
Waste Quantity:	55
Quantity Unit:	G

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000329825
Shipment Date:	6/15/2020
Creation Date:	7/9/2020
Receipt Date:	6/19/2020
Manifest ID:	021591873JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SVCS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0924
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22936
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	97c302ee-f14b-496e-a538-b85a4d5b3262
Shipment Date:	10/28/2020
Receipt Date:	10/30/2020
Manifest Number:	014869769FLE
Generator EPA ID:	CAL000329825
Name:	INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Address:	12645 6TH ST
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739-9223
Telephone:	909-553-4506
Contact:	JEFF KING
Contact Telephone:	909-993-1500
Transporter 1 EPA ID:	CAR000277566
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000183574
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520478
TSDF Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1:	31915 INDUSTRIAL LANE
TSDF Address 2:	Not reported
TSDF City:	PAKER
TSDF Zip:	85344
TSDF Telephone:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

State:

Year:	2020
EM Manifest ID:	97c302ee-f14b-496e-a538-b85a4d5b3262
Generator EPA ID:	CAL000329825
Shipment Date:	2020-10-28
Manifest Number:	014869769FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20900
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	221

Year:	2020
EM Manifest ID:	97c302ee-f14b-496e-a538-b85a4d5b3262
Generator EPA ID:	CAL000329825
Shipment Date:	2020-10-28
Manifest Number:	014869769FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Additional Info:

Year:	2017
Gen EPA ID:	CAL000329825
Shipment Date:	20171220
Creation Date:	8/3/2018 18:30:42
Receipt Date:	20171221
Manifest ID:	017497183JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171204
Creation Date:	6/26/2018 18:30:22
Receipt Date:	20171206
Manifest ID:	017380484JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170602
Creation Date:	5/20/2018 18:32:00
Receipt Date:	20170602
Manifest ID:	016465997JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.266
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170130
Creation Date:	5/17/2017 18:31:39

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Receipt Date:	20170202
Manifest ID:	016733096JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES, INC.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000329825
Shipment Date:	20150916
Creation Date:	11/17/2015 22:15:32
Receipt Date:	20150917
Manifest ID:	014446844JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150617
Creation Date:	9/8/2015 22:15:26
Receipt Date:	20150619
Manifest ID:	014581029JJK
Trans EPA ID:	CAR000172460

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.228
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	6/24/2015 22:15:41
Receipt Date:	20150318
Manifest ID:	013863638JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150224
Creation Date:	5/19/2015 22:15:15
Receipt Date:	20150304
Manifest ID:	012769434JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D001
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.084
Waste Quantity: 20
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAL000329825

Shipment Date: 20150916
Creation Date: 11/17/2015 22:15:32
Receipt Date: 20150917
Manifest ID: 014446844JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.209
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150617
Creation Date: 9/8/2015 22:15:26
Receipt Date: 20150619
Manifest ID: 014581029JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.228
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	6/24/2015 22:15:41
Receipt Date:	20150318
Manifest ID:	013863638JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150224
Creation Date:	5/19/2015 22:15:15
Receipt Date:	20150304
Manifest ID:	012769434JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000329825
Shipment Date:	20141006
Creation Date:	11/22/2014 22:15:14
Receipt Date:	20141006
Manifest ID:	013482000JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140428
Creation Date:	6/24/2014 22:15:06
Receipt Date:	20140429
Manifest ID:	012428762JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Additional Info:

Year:	2013
Gen EPA ID:	CAL000329825
Shipment Date:	20131001
Creation Date:	11/7/2013 22:15:14
Receipt Date:	20131001
Manifest ID:	011439493JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000329825
Shipment Date:	20110822
Creation Date:	10/24/2011 18:30:13
Receipt Date:	20110829
Manifest ID:	008549606JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000329825
Shipment Date:	20091223
Creation Date:	10/8/2010 18:30:48
Receipt Date:	20091227
Manifest ID:	006128817JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091216
Creation Date:	2/3/2010 18:30:55
Receipt Date:	20091216
Manifest ID:	006128645JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090803

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Creation Date:	9/23/2009 18:30:08
Receipt Date:	20090805
Manifest ID:	006018585JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090803
Creation Date:	9/23/2009 18:30:08
Receipt Date:	20090805
Manifest ID:	006018585JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090223
Creation Date:	4/8/2009 18:31:11
Receipt Date:	20090223
Manifest ID:	004961435JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

TSDF EPA ID: CAD981696420
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Address: 12645 6TH ST
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91739
EPA ID: CAL000329825
Inactive Date: Not reported
Create Date: 02/20/2008
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 12645 6TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: RANCHO CUCAMONGA, CA 917399223
Owner Name: INLAND EMPIRE UTILITIES AGENCY
Owner Address: 6075 KIMBALL AVE
Owner Address 2: Not reported
Owner City,State,Zip: CHINO, CA 917089174
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: JEFF ZIEGENBEIN
Contact Address: 12645 6TH ST
Contact Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 34.086282
Longitude: -117.530668

NAICS:
EPA ID: CAL000329825
Create Date: 2008-02-20 08:11:37.580
NAICS Code: 325314
NAICS Description: Fertilizer (Mixing Only) Manufacturing
Issued EPA ID Date: 2008-02-20 08:11:37.54700
Inactive Date: Not reported
Facility Name: INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Facility Address: 12645 6TH ST

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917399223

K159 **INLAND EMPIRE REGIONAL COMPOSTING FAC.** **SWF/LF** **S106528986**
SSE **12645 SIXTH STREET** **N/A**
1/4-1/2 **RANCHO CUCAMONGA, CA 91739**
0.466 mi.
2459 ft. **Site 3 of 3 in cluster K**

Relative:
Lower

Actual:
1092 ft.

SWF/LF (SWIS):

Name:	INLAND EMPIRE REGIONAL COMPOSTING FAC.
Address:	12645 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	STATE
Facility ID:	36-AA-0423
SWIS Number:	36-AA-0423
Point of Contact:	Megan Emslander
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Rancho Cucamonga
Reporting Agency Legal Name:	County of San Bernardino
Reporting Agency Department:	Div. of Environmental Health Services
Enforcing Agency Legal Name:	County of San Bernardino
Enforcing Agency Department:	Div. of Environmental Health Services
Regulation Status:	Notification

Activity:

SWIS Number:	36-AA-0423
Site Name:	Inland Empire Regional Composting Fac.
Activity:	Biosolids Composting at POTWs
Activity Is Archived:	No
Category:	Composting
Activity Classification:	Solid Waste Operation
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Quarterly
Throughput:	4550
Throughput Units:	Tons per week
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	150000
Capacity Units:	Tons per year
Total Acreage:	24.4

INLAND EMPIRE REGIONAL COMPOSTING FAC. (Continued) **S106528986**

Disposal Acreage:	Not reported
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Megan Emslander
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
County:	San Bernardino
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Rancho Cucamonga
Street Address:	12645 Sixth Street
City:	Rancho Cucamonga
State:	CA
ZIP Code:	91739
Reporting Agency Legal Name:	County of San Bernardino
Reporting Agency Department:	Div. of Environmental Health Services
Enforcing Agency Legal Name:	County of San Bernardino
Enforcing Agency Department:	Div. of Environmental Health Services

Operator:

SWIS Number:	36-AA-0423
Site Name:	Inland Empire Regional Composting Fac.
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.08668
Longitude:	-117.52741
Is Archived:	No
Operator:	Inland Empire Regional Composting Fac.
Started On:	Not reported
Contact Name:	Jeff Ziegenbein
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(909) 993-1500
Street Address:	12645 Sixth Street
Operator City:	Rancho Cucamonga
Operator State:	CA
Operator Zip:	91739

Owner:

SWIS Number:	36-AA-0423
Owner:	Inland Empire Regional Composting Fac.
Owner Address:	12645 6th St
Owner City:	Rancho Cucamonga
Owner State:	CA
Owner Zip:	91739

INLAND EMPIRE REGIONAL COMPOSTING FAC. (Continued) **S106528986**

Site Name:	Inland Empire Regional Composting Fac.
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.08668
Longitude:	-117.52741
Is Archived:	No
Started On:	Not reported
Contact Name:	Jeff Ziegenbein
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(909) 993-1500

Waste:

SWIS Number:	36-AA-0423
Site Name:	Inland Empire Regional Composting Fac.
Activity:	Biosolids Composting at POTWs
Waste Type:	Green Materials
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Megan Emslander
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Composting
Activity Classification:	Solid Waste Operation

SWIS Number:	36-AA-0423
Site Name:	Inland Empire Regional Composting Fac.
Activity:	Biosolids Composting at POTWs
Waste Type:	Sludge (BioSolids)
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Megan Emslander
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Composting
Activity Classification:	Solid Waste Operation

L160 **STERLING CAN** **CPS-SLIC S102417030**
ESE **8939 ETIWANDA AVENUE** **CERS N/A**
1/4-1/2 **RANCHO CUCAMONGA, CA**
0.474 mi.
2504 ft. **Site 1 of 2 in cluster L**

Relative: SLIC REG 8:
Lower

Name:	STERLING CAN
Address:	8939 ETIWANDA AVENUE
City:	RANCHO CUCAMONGA
Type:	Soil
Facility Status:	Closed

Actual:
1119 ft.

STERLING CAN (Continued) **S102417030**

Staff: PAH
Substance: PCE
Lead Agency: Regional Board
Location Code: Not reported
Thomas Bros Code: Not reported

CERS:
Name: STERLING CAN
Address: 8939 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA
Site ID: 687934
CERS ID: SLT8R1864120
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: PATRICIA HANNON - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

L161 **STERLING CAN** **CPS-SLIC** **S109928482**
ESE **8939 ETIWANDA AVENUE** **N/A**
1/4-1/2 **RANCHO CUCAMONGA, CA**
0.474 mi.
2504 ft. **Site 2 of 2 in cluster L**

Relative: **Lower**
Actual: **1119 ft.**

CPS-SLIC:
Name: STERLING CAN
Address: 8939 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/22/1995
Global Id: SLT8R1864120
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 34.143184
Longitude: -117.522669
Case Type: Cleanup Program Site
Case Worker: PAH
Local Agency: Not reported
RB Case Number: SLT8R186
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Toluene, Xylene
EPA Region: 9
Coordinate Source: Manual Entry on Screens
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 04/25/1994
Leak Reported Date: Not reported
How Discovered: Not reported

STERLING CAN (Continued) **S109928482**

How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	06/22/1995
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	36-40%
CA Enviroscreen 4 Score:	15-20%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

162
East
1/2-1
0.902 mi.
4764 ft.

Relative:
Lower

Actual:
1138 ft.

VISTA METALS CORP.
13425 WHITTRAM AVENUE
FONTANA, CA 92335

ENVIROSTOR **1000395229**
UST **92335VSTMT13425**
AST
CERS HAZ WASTE
SWEEPS UST
HIST UST
CERS TANKS
CA FID UST
CHMIRS
TRIS
ICIS
FINDS
EMI
NPDES
San Bern. Co. Permit
WDS
CIWQS
CERS

ENVIROSTOR:

Name:	VISTA METALS
Address:	13425-35 WHITTRAM
City,State,Zip:	FONTANA, CA 92335
Facility ID:	36340036
Status:	Refer: Other Agency
Status Date:	08/22/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	50
Senate:	29
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	NO

VISTA METALS CORP. (Continued) **1000395229**

Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.09389
Longitude: -117.5124
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * ACID SOLUTION 2>PH WITH METALS * Sludge - Halogenated Compounds * UNSPECIFIED ACID SOLUTION * UNSPECIFIED ALKALINE SOLUTIONS * UNSPECIFIED AQUEOUS SOLUTION * ALKALINE SOLUTION 2<PH<12.5, WITH METALS Chromium VI
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008285033
Alias Type: EPA Identification Number
Alias Name: 36340036
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/08/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/01/1984
Comments: SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/25/1983
Comments: FACILITY IDENTIFIED ID VIA RWQCB INACTIVE FILES BOX#45 PLATING COMPANY. CHLORINE DISCH 1977

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

UST:
Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Facility ID: 86008811
Permitting Agency: SAN BERNARDINO COUNTY
CERSID: Not reported
Latitude: 34.0956114
Longitude: -117.5110709
Owner type: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

AST:

Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVE
City/Zip:	FONTANA,92335
Certified Unified Program Agencies:	Not reported
Owner:	Vista Metals Corp.
Total Gallons:	Not reported
CERSID:	10046440
Facility ID:	FA0007161
Business Name:	VISTA METALS CORP
Phone:	909.823.4278
Fax:	909.823.5383
Mailing Address:	13425 Whittram Avenue
Mailing Address City:	Fontana
Mailing Address State:	CA
Mailing Address Zip Code:	92335
Operator Name:	Vista Metals Corp.
Operator Phone:	909.823.4278
Owner Phone:	909.823.4278
Owner Mail Address:	13425 Whittram Avenue
Owner State:	CA

VISTA METALS CORP. (Continued) **1000395229**

Owner Zip Code: 92335
Owner Country: United States
Property Owner Name: Vista Metals Corp.
Property Owner Phone: (909) 823-4278
Property Owner Mailing Address: 13425 Whittram Avenue
Property Owner City: Fontana
Property Owner Stat : CA
Property Owner Zip Code: 92335
Property Owner Country: United States
EPAID: CAD008285033

CERS HAZ WASTE:
Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 169445
CERS ID: 10046440
CERS Description: Hazardous Chemical Management

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 169445
CERS ID: 10046440
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported
Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000002
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 5

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported
Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000003
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported
Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000004
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported
Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000005
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000006
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Active
Comp Number: 3286
Number: 9
Board Of Equalization: 44-019864
Referral Date: 06-28-89
Action Date: 06-28-89
Created Date: 02-29-88
Owner Tank Id: #1
SWRCB Tank Id: 36-000-003286-000001
Tank Status: A
Capacity: 12000
Active Date: 06-28-89
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

HIST UST:
Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City,State,Zip: FONTANA, CA 92335
File Number: 0002aa09
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002aa09.pdf
Region: STATE
Facility ID: 00000003286
Facility Type: Other
Other Type: ALUMINUM RECYCLYLE
Contact Name: Not reported
Telephone: 7148234278
Owner Name: VISTA METALS CORPORATION
Owner Address: 13425 WHITRAM AVE
Owner City,St,Zip: FONTANA, CA 92335
Total Tanks: 0007

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL

VISTA METALS CORP. (Continued) **1000395229**

Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	#2
Year Installed:	1973
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	#3
Year Installed:	1973
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	#4
Year Installed:	1973
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	005
Container Num:	#5
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	#6
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	007
Container Num:	#7
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

VISTA METALS CORP. (Continued) **1000395229**

Click here for Geo Tracker PDF:

CERS TANKS:

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Site ID:	169445
CERS ID:	10046440
CERS Description:	Aboveground Petroleum Storage

CA FID UST:

Facility ID:	36008337
Regulated By:	UTNKA
Regulated ID:	00003286
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	13425 WHITRAM AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	FONTANA 92335
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CHMIRS:

Name:	Not reported
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA
OES Incident Number:	3-2792
OES notification:	05/30/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Vista Metals Corp.
Incident Date:	5/23/200312:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Chlorine
Gallons:	0.000000
Pounds:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Shutting down operations for the weekend and an operator spilled substance.
Name:	Not reported
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
OES Incident Number:	9-3394
OES notification:	08/12/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	not possible
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	Vista Middles Corp
Incident Date:	8/12/199912:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	No
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Chlorine
Pounds:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	1
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Description: After routine maitenance, maitenance worker forgot to put in a plug and inhaled some of the chlorine vapor. Worker sent to hospital. Has been released.

Facility, Chemical, Releases and Other Waste Management Summary Information:

TRI ID:	92335VSTMT13425
Form Type:	Form R
Reporting year:	2021
Trade secret indicator:	NO
Sanitized indicator:	NO
Title of certifying official:	DIRECTOR OF SPECIAL PROJECTS SHAYNE SEEVER
Certifying officials signature indicator:	ELECTRONIC
Date signed:	2022-06-16
Name:	VISTA METALS CORP.
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
BIA code:	Not reported
Tribe name:	Not reported
Mailing name:	VISTA METALS CORP.
Mailing street:	13425 WHITTRAM AVE
Mailing province:	Not reported
Mailing City,State,Zip:	FONTANA, CA 92335
Entire facility ind:	YES
Partial facility ind:	NO
Federal facility ind:	NO
Goco facility ind:	NO
Assigned fed facility flag:	NO
Public contact name:	SHAYNE SEEVER
Public contact phone and Ext:	9098296129
Public contact email:	SHAYNE@VISTAMETALS.COM
Primary sic code:	Not reported
Sic code 2:	Not reported
Sic code 3:	Not reported
Sic code 4:	Not reported
Sic code 5:	Not reported
Sic code 6:	Not reported
Naics origin:	Not reported
Primary naics code:	331314
Naics code 2:	Not reported
Naics code 3:	Not reported
Naics code 4:	Not reported
Naics code 5:	Not reported
Naics code 6:	Not reported
Latitude:	34.0946
Longitude:	-117.51326
D and B number A:	008285033
D and B number B:	Not reported
RCRA number A:	CAD008285033
RCRA number B:	Not reported
RCRA number C:	Not reported
RCRA number D:	Not reported
RCRA number E:	Not reported
RCRA number F:	Not reported
RCRA number G:	Not reported
RCRA number H:	Not reported
NPDES number A:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

NPDES number B:	Not reported
NPDES number C:	Not reported
NPDES number D:	Not reported
NPDES number E:	Not reported
NPDES number F:	Not reported
NPDES number G:	Not reported
Parent company name:	Not reported
Parent company D and B number:	Not reported
Standardized parent company name:	NA
Document control number:	1321219754862
TRI ID:	92335VSTMT13425
Cas number:	N150
Chemical name:	Dioxin and dioxin-like compounds
Classification:	DIOXIN
Unit of measure:	Grams
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	12
Fugitive air emissions - total release pounds:	NA
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Not reported
Stack air emissions - release pounds:	.14811
Stack air emissions - release range code:	Not reported
Total stack air emissions:	.14811
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	.14811
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	.14811
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0

VISTA METALS CORP. (Continued) **1000395229**

Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	N150
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	YES
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	N150
Document control number:	1321219754862
Chemical name:	Dioxin and dioxin-like compounds
Classification:	DIOXIN
Unit of measure:	Grams
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No

VISTA METALS CORP. (Continued) **1000395229**

P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	N150
Document control number:	1321219754862
Chemical name:	Dioxin and dioxin-like compounds
Classification:	DIOXIN
Unit of measure:	Grams
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Additional Information Miscellaneous and Optional:

Cas number:	N150
Document control number:	1321219754862
Chemical name:	Dioxin and dioxin-like compounds
Classification:	DIOXIN
Comment sequence:	613443
Comment type description:	Calculation Methods, e.g., Emission Factors
Comment text:	Air release methodology updated including updated source testing data.

TRI ID:	92335VSTMT13425
Cas number:	0007440473
Chemical name:	Chromium
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	YES
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	03
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Published Emission Factors
Stack air emissions - release pounds:	0
Stack air emissions - release range code:	Not reported
Total stack air emissions:	0
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	0
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	0
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0

VISTA METALS CORP. (Continued) **1000395229**

Off-site - other landfills:	250
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	250
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	3400
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	3400
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	3650
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7440-47-3
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0007440473

VISTA METALS CORP. (Continued) **1000395229**

Document control number:		1321219753997
Chemical name:	Chromium	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		No
Sale or distribution of the chemical:		No
As a byproduct:		Yes
As a manufactured impurity:		No
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No
P206 inhibitors:		No
P207 emulsifiers:		No
P208 surfactants:		No
P209 lubricants:		No
P210 flame retardants:		No
P211 rheological modifiers:		No
P299 other:		No
Used as an article component:		Yes
Repackaging:		No
As a process impurity:		No
Processed / recycling:		No
Used as a chemical processing aid:		No
Z101 process solvents:		No
Z102 catalysts:		No
Z103 inhibitors:		No
Z104 initiators:		No
Z105 reaction terminators:		No
Z106 solution buffers:		No
Z199 other:		No
Used as a manufacturing aid:		No
Z201 process lubricants:		No
Z202 metalworking fluids:		No
Z203 coolants:		No
Z204 refrigerants:		No
Z205 hydraulic fluids:		No
Z299 other:		No
Ancillary or other use:		No
Z301 cleaner:		No
Z302 degreaser:		No
Z303 lubricant:		No
Z304 fuel:		No
Z305 flame retardant:		No
Z306 waste treatment:		No
Z307 water treatment:		No
Z308 construction materials:		No

VISTA METALS CORP. (Continued) **1000395229**

Z399 other:	No
Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007440473
Document control number:	1321219753997
Chemical name: Chromium	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:		0007440473
Document control number:		1321219753997
Chemical name:	Chromium	
Classification:		TRI
Offsite RCRA id nr:		AZR000520882
Offsite transfer sequence number:		1
Offsite name:		LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:		26999 HIGHWAY 95
Offsite City,State,Zip:		PARKER, AZ 85344
Offsite county:		LA PAZ
Offsite province:		Not reported
Offsite country id:		Not reported
Offsite control:		NO
Unit of measure:		Pounds
Offsite other landfills m64 LBS:		250
Offsite other landfills m64 BOE:		Other
Total amount transferred offsite for disposal:		250
Total amount transferred offsite for recycling:		0
Total amount transferred offsite for energy recovery:		0
Total amount transferred offsite for treatment:		0
FRS ID - Transfer Location:		110012625132

Offsite RCRA id nr:	NA
Offsite transfer sequence number:	2
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds

VISTA METALS CORP. (Continued) **1000395229**

Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	3400
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	3400
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

TRI ID:	92335VSTMT13425
Cas number:	0007439921
Chemical name: Lead	
Classification:	PBT
Unit of measure:	Pounds
Metal ind:	YES
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	02
Fugitive air emissions - total release pounds:	.1
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	.1
Fugitive air emissions - basis of estimate:	Published Emission Factors
Stack air emissions - release pounds:	1.9
Stack air emissions - release range code:	Not reported
Total stack air emissions:	1.9
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	2
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	.3
Other disposal - basis of estimate:	Other
Total on-site land releases:	.3
Total on-site releases:	2.3
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	18.3
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	18.3
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	75.1
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0

VISTA METALS CORP. (Continued) **1000395229**

Total transferred off site for recycling:	75.1
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	93.4
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7439-92-1
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	YES
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0007439921
Document control number:	1321219754874
Chemical name: Lead	
Classification:	PBT
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No

VISTA METALS CORP. (Continued) **1000395229**

P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	Yes
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	Yes

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA

VISTA METALS CORP. (Continued) **1000395229**

Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007439921
Document control number:	1321219754874
Chemical name: Lead	
Classification:	PBT
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:	0007439921
Document control number:	1321219754874
Chemical name: Lead	
Classification:	PBT
Offsite RCRA id nr:	AZR000520882
Offsite transfer sequence number:	1
Offsite name:	LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:	26999 HIGHWAY 95
Offsite City,State,Zip:	PARKER, AZ 85344
Offsite county:	LA PAZ
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	18.3
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	18.3
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110012625132

Offsite RCRA id nr:	CAL000379706
Offsite transfer sequence number:	2
Offsite name:	K-PURE WATERWORKS INC
Offsite street address:	8910 ROCHESTER AVE
Offsite City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Offsite county:	SAN BERNARDINO
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite other reuse or recovery m26 BOE:	Other
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110070096484

Offsite RCRA id nr:	NA
Offsite transfer sequence number:	3
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA

VISTA METALS CORP. (Continued) **1000395229**

Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	75.1
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	75.1
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

TRI ID:	92335VSTMT13425
Cas number:	0007429905
Chemical name:	Aluminum (fume or dust)
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	YES
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	04
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Mass Balance Calculations
Stack air emissions - release pounds:	3000
Stack air emissions - release range code:	Not reported
Total stack air emissions:	3000
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	3000
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	3000
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	21000
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	21000
Off-site - recycling - solvents/organics recovery:	0

VISTA METALS CORP. (Continued) **1000395229**

Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	21000
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7429-90-5
Mixture Name:	NA
Clean Air Act Ind:	NO
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0007429905
Document control number:	1321219753985
Chemical name:	Aluminum (fume or dust)
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	Yes

VISTA METALS CORP. (Continued) **1000395229**

As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	Yes
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	Yes

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007429905
Document control number:	1321219753985
Chemical name:	Aluminum (fume or dust)
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:	0007429905
Document control number:	1321219753985
Chemical name:	Aluminum (fume or dust)
Classification:	TRI
Offsite RCRA id nr:	CAD008252405
Offsite transfer sequence number:	1
Offsite name:	PACIFIC RESOURCE RECOVERY SERVICES INC
Offsite street address:	3150 EAST PICO BLVD
Offsite City,State,Zip:	LOS ANGELES, CA 90023
Offsite county:	LOS ANGELES
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite disposal unknown m99 BOE:	Other
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110000473407

Offsite RCRA id nr:	AZR000520882
Offsite transfer sequence number:	2
Offsite name:	LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:	26999 HIGHWAY 95
Offsite City,State,Zip:	PARKER, AZ 85344
Offsite county:	LA PAZ
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	21000
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	21000
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110012625132

TRI ID: 92335VSTMT13425

VISTA METALS CORP. (Continued) **1000395229**

Cas number:		0007440508
Chemical name:	Copper	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		YES
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		05
Fugitive air emissions - total release pounds:		0
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		0
Fugitive air emissions - basis of estimate:		Published Emission Factors
Stack air emissions - release pounds:		Not reported
Stack air emissions - release range code:		B
Total stack air emissions:		250
Stack air emissions - basis of estimate:		On-Site-Specific Emission Factors
Total air emissions:		250
Discharges to stream a - stream name:		NA
Total discharges to stream a:		0
Discharges to stream a - basis of estimate:		Not reported
Discharges to stream a - % from stormwater:		Not reported
Discharges to stream b - stream name:		Not reported
Total discharges to stream b:		Not reported
Discharges to stream b - basis of estimate:		Not reported
Discharges to stream b - % from stormwater:		Not reported
Discharges to stream c - stream name:		Not reported
Total discharges to stream c:		Not reported
Discharges to stream c - basis of estimate:		Not reported
Discharges to stream c - % from stormwater:		Not reported
Discharges to stream d - stream name:		Not reported
Total discharges to stream d:		Not reported
Discharges to stream d - basis of estimate:		Not reported
Discharges to stream d - % from stormwater:		Not reported
Discharges to stream e - stream name:		Not reported
Total discharges to stream e:		Not reported
Discharges to stream e - basis of estimate:		Not reported
Discharges to stream e - % from stormwater:		Not reported
Discharges to stream f - stream name:		Not reported
Total discharges to stream f:		Not reported
Discharges to stream f - basis of estimate:		Not reported
Discharges to stream f - % from stormwater:		Not reported
Discharges to stream g - stream name:		Not reported
Total discharges to stream g:		Not reported
Discharges to stream g - basis of estimate:		Not reported
Discharges to stream g - % from stormwater:		Not reported
Discharges to stream h - stream name:		Not reported
Discharges to stream h - release pounds:		Not reported
Discharges to stream h - release range code:		Not reported
Total discharges to stream h:		Not reported
Discharges to stream h - basis for estimate:		Not reported
Discharges to stream h - % from stormwater:		Not reported
Total number of receiving streams:		0
Total surface water discharge:		0
Total on-site underground inj - pounds:		Not reported
On-site underground inj - basis of estimate:		Not reported
Total on-site ugrnd inj to cl i wells - pounds:		0
On-site underground inj to c1 i wells - basis of estimate:		Not reported

VISTA METALS CORP. (Continued) **1000395229**

Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	5
Other disposal - basis of estimate:	Other
Total on-site land releases:	5
Total on-site releases:	255
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	250
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	250
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	8000
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	8000
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0

VISTA METALS CORP. (Continued) **1000395229**

Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	8250
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7440-50-8
Mixture Name:	NA
Clean Air Act Ind:	NO
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0007440508
Document control number:	1321219754001
Chemical name: Copper	
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No

VISTA METALS CORP. (Continued) **1000395229**

P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	Yes
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	Yes
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007440508
Document control number:	1321219754001
Chemical name: Copper	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Details of Off-site Transfers:

Cas number:	0007440508
Document control number:	1321219754001
Chemical name: Copper	
Classification:	TRI
Offsite RCRA id nr:	AZR000520882
Offsite transfer sequence number:	1
Offsite name:	LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:	26999 HIGHWAY 95
Offsite City,State,Zip:	PARKER, AZ 85344
Offsite county:	LA PAZ
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	250
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	250
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110012625132

Offsite RCRA id nr:	CAT080013352
Offsite transfer sequence number:	2
Offsite name:	WORLD OIL RECYCLING
Offsite street address:	2000 N. ALAMEDA STREET
Offsite City,State,Zip:	COMPTON, CA 902220000
Offsite county:	LOS ANGELES
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite other reuse or recovery m26 BOE:	Other
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110000474353

Offsite RCRA id nr:	NA
Offsite transfer sequence number:	3
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	8000
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	8000
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Offsite RCRA id nr:	CAL000379706
Offsite transfer sequence number:	4
Offsite name:	K-PURE WATERWORKS INC
Offsite street address:	8910 ROCHESTER AVE
Offsite City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Offsite county:	SAN BERNARDINO
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite other reuse or recovery m26 BOE:	Other
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110070096484

Offsite RCRA id nr:	CAD982444481
Offsite transfer sequence number:	5
Offsite name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
Offsite street address:	180 WEST MONTE AVENUE
Offsite City,State,Zip:	RIALTO, CA 92316
Offsite county:	SAN BERNARDINO
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110033205234

TRI ID:	92335VSTMT13425
Cas number:	0007440020
Chemical name: Nickel	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	YES
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	03
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Published Emission Factors
Stack air emissions - release pounds:	Not reported
Stack air emissions - release range code:	A
Total stack air emissions:	5
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	5
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	5

VISTA METALS CORP. (Continued) **1000395229**

Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	5
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	5
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	250
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	250
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	255
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312

VISTA METALS CORP. (Continued) **1000395229**

Elemental Metal Included:		NO
Waste Rock Pile managed Indicator:		0
Waste Rock Quantity:		Not reported
Off Site - POTW Releases 81C:		0
Off Site - POTW Releases 81D:		0
Assigned Partial Facility Flag:		NO
Case Number:		7440-02-0
Mixture Name:		NA
Clean Air Act Ind:		YES
Carcinogen Ind:		YES
PFAS Ind:		NO
Chemical Activities and Uses:		
Cas number:		0007440020
Document control number:		1321219754898
Chemical name:	Nickel	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		No
Sale or distribution of the chemical:		No
As a byproduct:		Yes
As a manufactured impurity:		No
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No
P206 inhibitors:		No
P207 emulsifiers:		No
P208 surfactants:		No
P209 lubricants:		No
P210 flame retardants:		No
P211 rheological modifiers:		No
P299 other:		No
Used as an article component:		Yes
Repackaging:		No
As a process impurity:		No
Processed / recycling:		No
Used as a chemical processing aid:		No
Z101 process solvents:		No
Z102 catalysts:		No
Z103 inhibitors:		No
Z104 initiators:		No
Z105 reaction terminators:		No
Z106 solution buffers:		No
Z199 other:		No
Used as a manufacturing aid:		No
Z201 process lubricants:		No
Z202 metalworking fluids:		No

VISTA METALS CORP. (Continued) **1000395229**

Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	Yes
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007440020
Document control number:	1321219754898
Chemical name: Nickel	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:	0007440020
Document control number:	1321219754898
Chemical name: Nickel	
Classification:	TRI
Offsite RCRA id nr:	NA
Offsite transfer sequence number:	1
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	250
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	250
Total amount transferred offsite for energy recovery:	0

VISTA METALS CORP. (Continued) **1000395229**

Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported
Offsite RCRA id nr:	AZR000520882
Offsite transfer sequence number:	2
Offsite name:	LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:	26999 HIGHWAY 95
Offsite City,State,Zip:	PARKER, AZ 85344
Offsite county:	LA PAZ
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	5
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	5
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110012625132
TRI ID:	92335VSTMT13425
Cas number:	0007439965
Chemical name: Manganese	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	YES
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	04
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Published Emission Factors
Stack air emissions - release pounds:	Not reported
Stack air emissions - release range code:	A
Total stack air emissions:	5
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	5
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	5
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0

VISTA METALS CORP. (Continued) **1000395229**

Off-site - other landfills:	250
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	250
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	1500
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	1500
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	1750
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7439-96-5
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0007439965

VISTA METALS CORP. (Continued) **1000395229**

Document control number:		1321219754886
Chemical name:	Manganese	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		No
Sale or distribution of the chemical:		No
As a byproduct:		Yes
As a manufactured impurity:		No
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No
P206 inhibitors:		No
P207 emulsifiers:		No
P208 surfactants:		No
P209 lubricants:		No
P210 flame retardants:		No
P211 rheological modifiers:		No
P299 other:		No
Used as an article component:		Yes
Repackaging:		No
As a process impurity:		No
Processed / recycling:		No
Used as a chemical processing aid:		No
Z101 process solvents:		No
Z102 catalysts:		No
Z103 inhibitors:		No
Z104 initiators:		No
Z105 reaction terminators:		No
Z106 solution buffers:		No
Z199 other:		No
Used as a manufacturing aid:		No
Z201 process lubricants:		No
Z202 metalworking fluids:		No
Z203 coolants:		No
Z204 refrigerants:		No
Z205 hydraulic fluids:		No
Z299 other:		No
Ancillary or other use:		No
Z301 cleaner:		No
Z302 degreaser:		No
Z303 lubricant:		No
Z304 fuel:		No
Z305 flame retardant:		No
Z306 waste treatment:		No
Z307 water treatment:		No
Z308 construction materials:		No

VISTA METALS CORP. (Continued) **1000395229**

Z399 other:	No
Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007439965
Document control number:	1321219754886
Chemical name: Manganese	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:	0007439965
Document control number:	1321219754886
Chemical name: Manganese	
Classification:	TRI
Offsite RCRA id nr:	AZR000520882
Offsite transfer sequence number:	1
Offsite name:	LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:	26999 HIGHWAY 95
Offsite City,State,Zip:	PARKER, AZ 85344
Offsite county:	LA PAZ
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	250
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	250
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110012625132

Offsite RCRA id nr:	NA
Offsite transfer sequence number:	2
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds

VISTA METALS CORP. (Continued) **1000395229**

Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	1500
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	1500
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

ICIS:

Enforcement Action ID:	09-2008-3005
FRS ID:	110000479312
Action Name:	Vista Metals, Corp.
Facility Name:	VISTA METALS CORP.
Facility Address:	13425 WHITTRAM AVENUE FONTANA, CA 92335
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	SAN BERNARDINO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	325
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.094639
Longitude in Decimal Degrees:	-117.512111
Permit Type Desc:	Not reported
Program System Acronym:	600009713
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Facility Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE.
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:
Registry ID: 110000479312

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

VISTA METALS CORP. (Continued) **1000395229**

The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES
California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.
CEDRI is a web application used by EPA programs and various stakeholders to manage environmental data transmitted to EPA in order to meet EPA's reporting requirements.
THE ELECTRONIC GREENHOUSE GAS REPORTING TOOL (E-GGRT) IS ACCESSIBLE THROUGH AN EPA WEB PAGE AND USED TO SUBMIT ANNUAL REPORTS IN SUPPORT OF THE EPA RULE FOR MANDATORY REPORTING OF GREENHOUSE GASES (GHG) FROM LARGE GHG EMISSIONS SOURCES. IMPLEMENTATION OF 40 CFR PART 98 IS REFERRED TO AS THE GREENHOUSE GAS REPORTING PROGRAM (GHGRP). THIS COMPREHENSIVE, NATIONWIDE EMISSIONS DATA WILL PROVIDE A BETTER UNDERSTANDING OF THE SOURCES OF GHGS AND WILL GUIDE DEVELOPMENT OF THE POLICIES AND PROGRAMS TO REDUCE EMISSIONS. THE PUBLICALLY AVAILABLE DATA WILL ALLOW REPORTERS TO TRACK THEIR OWN EMISSIONS, COMPARE THEM TO SIMILAR FACILITIES, AND AID IN IDENTIFYING COST EFFECTIVE OPPORTUNITIES TO REDUCE EMISSIONS IN THE FUTURE.
The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will

VISTA METALS CORP. (Continued) **1000395229**

completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
The Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).
ALLOWS PERMITTING AUTHORITIES TO SUBMIT NEW SOURCE REVIEW (NSR) AND TITLE V PERMIT ACTIONS TO EPA FOR REVIEW.
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.
All generators and treatment, storage, and disposal (TSD) facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years. The data collected is used to create the National Biennial Resource Conservation and Recovery Act (RCRA) Hazardous Waste Report. This data is processed within the RCRA Information (RCRAInfo) database

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

EMI:

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	109
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1990

VISTA METALS CORP. (Continued) **1000395229**

County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	95
NOX - Oxides of Nitrogen Tons/Yr:	9
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	11
Part. Matter 10 Micrometers and Smllr Tons/Yr:	11

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1995
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	62
NOX - Oxides of Nitrogen Tons/Yr:	16
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	1996
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	43
NOX - Oxides of Nitrogen Tons/Yr:	14
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	15
Part. Matter 10 Micrometers and Smllr Tons/Yr:	14

Name:	VISTA METALS CORPORATION

VISTA METALS CORP. (Continued) **1000395229**

Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1997
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	52
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	17
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1998
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	52
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	17
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1999
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	52
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	17

VISTA METALS CORP. (Continued) **1000395229**

Part. Matter 10 Micrometers and Smllr Tons/Yr:16

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2000
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	52
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	17
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2001
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	15
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	30
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2002
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	15
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	11

VISTA METALS CORP. (Continued) **1000395229**

NOX - Oxides of Nitrogen Tons/Yr: 15
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Year: 2003
County Code: 36
Air Basin: SC
Facility ID: 14495
Air District Name: SC
SIC Code: 3341
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 15
Reactive Organic Gases Tons/Yr: 10
Carbon Monoxide Emissions Tons/Yr: 11
NOX - Oxides of Nitrogen Tons/Yr: 15
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Year: 2004
County Code: 36
Air Basin: SC
Facility ID: 14495
Air District Name: SC
SIC Code: 3341
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14.704325
Reactive Organic Gases Tons/Yr: 9.7
Carbon Monoxide Emissions Tons/Yr: 10.997675
NOX - Oxides of Nitrogen Tons/Yr: 15.3995
SOX - Oxides of Sulphur Tons/Yr: 0.2086207
Particulate Matter Tons/Yr: 3.718614
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3.36

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Year: 2005
County Code: 36
Air Basin: SC
Facility ID: 14495
Air District Name: SC
SIC Code: 3341
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Total Organic Hydrocarbon Gases Tons/Yr:	7.552365
Reactive Organic Gases Tons/Yr:	6.328237506
Carbon Monoxide Emissions Tons/Yr:	9.703
NOX - Oxides of Nitrogen Tons/Yr:	15.78104
SOX - Oxides of Sulphur Tons/Yr:	.16968
Particulate Matter Tons/Yr:	3.700280746
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.41124311918

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2006
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.862463341077735883
Reactive Organic Gases Tons/Yr:	2.632
Carbon Monoxide Emissions Tons/Yr:	9.563
NOX - Oxides of Nitrogen Tons/Yr:	14.37
SOX - Oxides of Sulphur Tons/Yr:	.169
Particulate Matter Tons/Yr:	5.633
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.02406

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 95131
Year:	2007
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.862463341077735883
Reactive Organic Gases Tons/Yr:	2.632
Carbon Monoxide Emissions Tons/Yr:	9.563
NOX - Oxides of Nitrogen Tons/Yr:	14.37
SOX - Oxides of Sulphur Tons/Yr:	.169
Particulate Matter Tons/Yr:	5.633
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.02406

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2008
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354

VISTA METALS CORP. (Continued) **1000395229**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.220677183841819116
Reactive Organic Gases Tons/Yr:	1.730610063208
Carbon Monoxide Emissions Tons/Yr:	7.904025
NOX - Oxides of Nitrogen Tons/Yr:	11.83601864369107900
SOX - Oxides of Sulphur Tons/Yr:	.1122055
Particulate Matter Tons/Yr:	4.6979125
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.176669375

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2009
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.01648846091806
Reactive Organic Gases Tons/Yr:	1.2900805008
Carbon Monoxide Emissions Tons/Yr:	5.6897450000000003
NOX - Oxides of Nitrogen Tons/Yr:	8.8281469999999995
SOX - Oxides of Sulphur Tons/Yr:	8.9684929999999996E-2
Particulate Matter Tons/Yr:	3.5315810000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.1365925720000001

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2010
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.2743105676060198
Reactive Organic Gases Tons/Yr:	2.3766500000000002
Carbon Monoxide Emissions Tons/Yr:	12.852359999999999
NOX - Oxides of Nitrogen Tons/Yr:	13.69534
SOX - Oxides of Sulphur Tons/Yr:	0.16192054715000001
Particulate Matter Tons/Yr:	5.6153401289999998
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.0049789670699996

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2011
County Code:	36
Air Basin:	SC

VISTA METALS CORP. (Continued) **1000395229**

Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.9218009106
Reactive Organic Gases Tons/Yr:	3.2500516667
Carbon Monoxide Emissions Tons/Yr:	12.97162
NOX - Oxides of Nitrogen Tons/Yr:	19.98591
SOX - Oxides of Sulphur Tons/Yr:	0.17592
Particulate Matter Tons/Yr:	5.9537501334
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.3227239708

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2012
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.2667798064
Reactive Organic Gases Tons/Yr:	2.96279
Carbon Monoxide Emissions Tons/Yr:	12.1265
NOX - Oxides of Nitrogen Tons/Yr:	16.29041
SOX - Oxides of Sulphur Tons/Yr:	0.17045
Particulate Matter Tons/Yr:	6.3693
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.6562417

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2013
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.4748873626
Reactive Organic Gases Tons/Yr:	3.10462415
Carbon Monoxide Emissions Tons/Yr:	12.60458
NOX - Oxides of Nitrogen Tons/Yr:	17.32429
SOX - Oxides of Sulphur Tons/Yr:	0.174899
Particulate Matter Tons/Yr:	6.668200124
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.9089441629

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335

VISTA METALS CORP. (Continued) **1000395229**

Year:	2014
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.5532190958
Reactive Organic Gases Tons/Yr:	4.57057
Carbon Monoxide Emissions Tons/Yr:	14.37436
NOX - Oxides of Nitrogen Tons/Yr:	17.52006
SOX - Oxides of Sulphur Tons/Yr:	0.186965
Particulate Matter Tons/Yr:	7.24048
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6.8834072

Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2015
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.0454282887
Reactive Organic Gases Tons/Yr:	5.9854719047
Carbon Monoxide Emissions Tons/Yr:	17.0945165
NOX - Oxides of Nitrogen Tons/Yr:	17.78252022
SOX - Oxides of Sulphur Tons/Yr:	0.1969325
Particulate Matter Tons/Yr:	9.69411245
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.336496277

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2016
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.7040049087
Reactive Organic Gases Tons/Yr:	2.943491351
Carbon Monoxide Emissions Tons/Yr:	15.284618
NOX - Oxides of Nitrogen Tons/Yr:	17.40673
SOX - Oxides of Sulphur Tons/Yr:	0.1404621
Particulate Matter Tons/Yr:	6.498189
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6.17401505

VISTA METALS CORP. (Continued) **1000395229**

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2017
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.8727352045
Reactive Organic Gases Tons/Yr:	2.9910462732
Carbon Monoxide Emissions Tons/Yr:	14.81053775
NOX - Oxides of Nitrogen Tons/Yr:	18.401995
SOX - Oxides of Sulphur Tons/Yr:	0.13960721
Particulate Matter Tons/Yr:	6.95046488
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6.60346843

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2018
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.2565104802
Reactive Organic Gases Tons/Yr:	3.1005244691
Carbon Monoxide Emissions Tons/Yr:	16.602425
NOX - Oxides of Nitrogen Tons/Yr:	19.5844535
SOX - Oxides of Sulphur Tons/Yr:	0.210544
Particulate Matter Tons/Yr:	7.48049435
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7.234904926

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2019
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.2855977874
Reactive Organic Gases Tons/Yr:	3.214222224
Carbon Monoxide Emissions Tons/Yr:	16.962465
NOX - Oxides of Nitrogen Tons/Yr:	19.27371269
SOX - Oxides of Sulphur Tons/Yr:	0.2038315

VISTA METALS CORP. (Continued) **1000395229**

Particulate Matter Tons/Yr: 7.239628215
Part. Matter 10 Micrometers and Smllr Tons/Yr: 7.0015104684

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Year: 2020
County Code: 36
Air Basin: SC
Facility ID: 14495
Air District Name: SC
SIC Code: 3354
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6.2773883538
Reactive Organic Gases Tons/Yr: 3.9843679522
Carbon Monoxide Emissions Tons/Yr: 10.65084
NOX - Oxides of Nitrogen Tons/Yr: 12.7874
SOX - Oxides of Sulphur Tons/Yr: 0.1085154
Particulate Matter Tons/Yr: 4.465571
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4.3179188

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Year: 2021
County Code: 36
Air Basin: SC
Facility ID: 14495
Air District Name: SC
SIC Code: 3354
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8.1377271505
Reactive Organic Gases Tons/Yr: 5.045623876
Carbon Monoxide Emissions Tons/Yr: 15.0067359
NOX - Oxides of Nitrogen Tons/Yr: 17.114375419
SOX - Oxides of Sulphur Tons/Yr: 0.175143818
Particulate Matter Tons/Yr: 3.883219532
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3.7958739772

NPDES:
Name: VISTA METALS CORP
Address: 13425 WHITTRAM AVENUE
City,State,Zip: FONTANA, CA 92335
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 8 36I001033
Regulatory Measure Type: Industrial
Program Type: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/25/1992
Operator Name:	Vista Metals Corp
Operator Address:	13425 Whittram Avenue
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213103
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I001033
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/25/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Vista Metals Corp
Discharge Address:	13425 Whittram Avenue
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213103
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I001033
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/25/1992

VISTA METALS CORP. (Continued) **1000395229**

Status:	Active
Status Date:	03/25/1992
Place Size:	22
Place Size Unit:	Acres
Contact:	Cesar Castaneda
Contact Title:	EHS Manager
Contact Phone:	909-829-6175
Contact Phone Ext:	Not reported
Contact Email:	cesar@vistametals.com
Operator Name:	Vista Metals Corp
Operator Address:	13425 Whittram Avenue
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335
Operator Contact:	Cesar Castaneda
Operator Contact Title:	EHS Manager
Operator Contact Phone:	909-829-6175
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	cesar@vistametals.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-829-6175
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Etiwanda Creek
Certifier:	Andrew Primack
Certifier Title:	President
Certification Date:	10-JUN-15
Primary Sic:	3341-Secondary Smelting and Refining of Nonferrous Metals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name: VISTA METALS CORP

VISTA METALS CORP. (Continued) **1000395229**

Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	213103
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I001033
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/25/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	13425 Whittram Avenue
Discharge Name:	Vista Metals Corp
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213103
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I001033
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/25/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Vista Metals Corp
Discharge Address:	13425 Whittram Avenue
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213103
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I001033

VISTA METALS CORP. (Continued) **1000395229**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/25/1992
Status:	Active
Status Date:	03/25/1992
Place Size:	22
Place Size Unit:	Acres
Contact:	Cesar Castaneda
Contact Title:	EHS Manager
Contact Phone:	909-829-6175
Contact Phone Ext:	Not reported
Contact Email:	cesar@vistametals.com
Operator Name:	Vista Metals Corp
Operator Address:	13425 Whittram Avenue
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335
Operator Contact:	Cesar Castaneda
Operator Contact Title:	EHS Manager
Operator Contact Phone:	909-829-6175
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	cesar@vistametals.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-829-6175
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Etiwanda Creek
Certifier:	Andrew Primack
Certifier Title:	President
Certification Date:	10-JUN-15
Primary Sic:	3341-Secondary Smelting and Refining of Nonferrous Metals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	VISTA METALS CORP.
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0007161
Owner:	Vista Metals Corp.
Permit Number:	PT0024510
Permit Category:	APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status:	ACTIVE
Expiration Date:	10/31/2023

Name:	VISTA METALS CORP.
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0007161
Owner:	Vista Metals Corp.
Permit Number:	PT0002241
Permit Category:	HAZARDOUS MATERIALS 71+ CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	10/31/2023

Name:	VISTA METALS CORP.
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0007161
Owner:	Vista Metals Corp.
Permit Number:	PT0002224
Permit Category:	RMP INSPECTION - PROGRAM 2
Facility Status:	ACTIVE
Expiration Date:	10/31/2023

Name:	VISTA METALS CORP.
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0007161
Owner:	Vista Metals Corp.
Permit Number:	PT0019346
Permit Category:	UW HANDLER WITH ANOTHER CUPA PERMIT
Facility Status:	ACTIVE
Expiration Date:	10/31/2023

Name: VISTA METALS CORP.

VISTA METALS CORP. (Continued) **1000395229**

Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0002236
Permit Category: SUPER LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 10/31/2023

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0002223
Permit Category: CALARP FACILITY PERMIT
Facility Status: INACTIVE
Expiration Date: 10/31/2013

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0002230
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 10/31/2013

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0012132
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2012

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0012133
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2012

WDS:
Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE

VISTA METALS CORP. (Continued) **1000395229**

City:	FONTANA
Facility ID:	Santa Ana River 36I001033
Facility Type:	Not reported
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	VISTA METALS CORP.
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Not reported
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Agency:	Vista Metals Corp
Agency Address:	13425 Whittram Avenue, Fontana, CA 92335
Place/Project Type:	Industrial - Secondary Smelting and Refining of Nonferrous Metals
SIC/NAICS:	3341
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I001033
NPDES Number:	CAS000001

VISTA METALS CORP. (Continued) **1000395229**

Adoption Date:	Not reported
Effective Date:	03/25/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09461
Longitude:	-117.51265

CERS:

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Site ID:	169445
CERS ID:	92335VSTMT13425
CERS Description:	Toxic Release Inventory

Violations:

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	08-12-2020
Citation:	22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description:	Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes:	Returned to compliance on 08/25/2020. OBSERVATION: Daily inspections of the used oil and oily water tank systems have not been conducted and documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating daily tank inspections on the used oil and oily water tanks are conducted and documented.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	09-01-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to test or inspect each aboveground container for integrity based on industry standards discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas.
Violation Notes:	Returned to compliance on 11/07/2017. The integrity testing of tanks has not been conducted as outlined in the SPCC Plan. Compliance Requirement: Submit a stament indicating that tanks AST-1, AST-2 and AST-5 have been tested per API 653 industry standards for initial integrity as outlined in the SPCC plan.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA

VISTA METALS CORP. (Continued) **1000395229**

Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 04-19-1999
Citation: 01001 - Search Title 8 regulations for 3382 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 05-04-2007
Citation: 04001 - Search Title 8 regulations for 4184 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 12-31-2018
Citation: 03001 - Search Title 8 regulations for 3270(C) at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 10-01-2012
Citation: 03001 - Search Title 8 regulations for 4999 D02 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 08-12-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."

VISTA METALS CORP. (Continued) **1000395229**

Violation Notes: Returned to compliance on 08/25/2020. OBSERVATION: Annual tank inspections following STI SP001, as described in the SPCC plan, have not been conducted or documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating that annual tank inspections following the SPCC plan are being conducted.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 09-26-2014
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/02/2014.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 05-22-2001
Citation: 01002 - Search Title 8 regulations for 3577 E at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 11-22-2013
Citation: 01001 - Search Title 8 regulations for 3650 T12 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Evaluation:
Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-10-2007
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

VISTA METALS CORP. (Continued) **1000395229**

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-23-2001
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE APSA INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-22-2013
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: Yes

VISTA METALS CORP. (Continued) **1000395229**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-01-1999
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 04-27-2012
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-27-2018
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department

VISTA METALS CORP. (Continued) **1000395229**

Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 169445
Site Name: VISTA METALS CORPORATION
Site Address: 13425 WHITTRAM AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 09-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 169445
Facility Name: VISTA METALS CORPORATION

VISTA METALS CORP. (Continued) **1000395229**

Env Int Type Code:	FRS-AIR
Program ID:	110000479312
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	34.094600
Longitude:	-117.513260

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Cesar Castaneda
Entity Title:	EHS Manager
Affiliation Address:	13425 WHITTRAM AVENUE
Affiliation City:	FONTANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Vista Metals Corp.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 823-4278,

Affiliation Type Desc:	Technical Contact
Entity Name:	Aubree Bovat
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	9094833300,

Affiliation Type Desc:	Document Preparer
Entity Name:	ALL4
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	CESAR CASTANEDA
Entity Title:	MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

VISTA METALS CORP. (Continued) **1000395229**

Affiliation Type Desc:	Environmental Contact
Entity Name:	GREG EMANUELSON
Entity Title:	EHS MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	ROBERT PRAEFKE
Entity Title:	VP OF OPERATIONS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Shayne Seever
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Shayne Seever
Entity Title:	Director of Special Projects
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	Vista Metals Corp.
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 823-4278,

Affiliation Type Desc:	Public Contact
Entity Name:	Shayne Seever
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Affiliation Zip: 92335
Affiliation Phone: 9098296129,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: CESAR CASTANEDA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Company Official
Entity Name: Shayne Seever
Entity Title: Director of Special Projects
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Legal Owner
Entity Name: Vista Metals Corp.
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92335
Affiliation Phone: (909) 823-4278,

Affiliation Type Desc: Parent Corporation
Entity Name: VISTA METALS CORP
Entity Title: Not reported
Affiliation Address: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	VIS METALS CORPRT
Entity Title:	Not reported
Affiliation Address:	13425 WHITTRAM AVENUE
Affiliation City:	FONTANA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Site ID:	546224
CERS ID:	270700
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	11-30-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Discharger has not submitted monthly reports in compliance with MRP.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	08-31-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Discharger has not submitted monthly reports in compliance with MRP.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	07-02-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Non-submittal of Annual Report. Due 7//1/1999
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,
Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	12-31-1999

VISTA METALS CORP. (Continued) **1000395229**

Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Discharger has not submitted monthly reports in compliance with MRP. Submitted as part of a quarterly report instead.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 546224
Site Name: Vista Metals Corp
Violation Date: 09-30-1999
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Discharger has not submitted monthly reports in compliance with MRP.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 546224
Site Name: Vista Metals Corp
Violation Date: 10-31-1999
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Discharger has not submitted monthly reports in compliance with MRP.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2020
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: An inspection with Cesar Castaneda was conducted by regional board staff, Keith Elliott, Maria Marquez and Reyna Mendoza. The SWPPP was available onsite. The last BMP monthly inspection was dated 1/24/20. Housekeeping appeared to be in good condition. The site sampling point was located at the storage area lot north of Whittram Avenue. The latest discharge from this location was on January 17, 2019. Sampling results identified elevated levels of Aluminum. The facility south of Whittram has an infiltration system that reduces the likelihood for the facility to have discharge.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Vista Metals Corp
Entity Title: Operator
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

VISTA METALS CORP. (Continued) **1000395229**

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Site ID:	169445
CERS ID:	110000479312
CERS Description:	US EPA Air Emission Inventory System (EIS)

Violations:

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	08-12-2020
Citation:	22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description:	Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes:	Returned to compliance on 08/25/2020. OBSERVATION: Daily inspections of the used oil and oily water tank systems have not been conducted and documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating daily tank inspections on the used oil and oily water tanks are conducted and documented.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	09-01-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to test or inspect each aboveground container for integrity based on industry standards discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas.
Violation Notes:	Returned to compliance on 11/07/2017. The integrity testing of tanks has not been conducted as outlined in the SPCC Plan. Compliance Requirement: Submit a stament indicating that tanks AST-1, AST-2 and AST-5 have been tested per API 653 industry standards for initial integrity as outlined in the SPCC plan.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	04-19-1999
Citation:	01001 - Search Title 8 regulations for 3382 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,

Site ID:	169445
Site Name:	VISTA METALS CORPORATION

VISTA METALS CORP. (Continued) **1000395229**

Violation Date:	05-04-2007
Citation:	04001 - Search Title 8 regulations for 4184 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	12-31-2018
Citation:	03001 - Search Title 8 regulations for 3270(C) at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	10-01-2012
Citation:	03001 - Search Title 8 regulations for 4999 D02 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	08-12-2020
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	"Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."
Violation Notes:	Returned to compliance on 08/25/2020. OBSERVATION: Annual tank inspections following STI SP001, as described in the SPCC plan, have not been conducted or documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating that annual tank inspections following the SPCC plan are being conducted.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	09-26-2014
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any

VISTA METALS CORP. (Continued) **1000395229**

one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/02/2014.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 05-22-2001
Citation: 01002 - Search Title 8 regulations for 3577 E at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 11-22-2013
Citation: 01001 - Search Title 8 regulations for 3650 T12 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Evaluation:
Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-10-2007
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-23-2001
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE APSA INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department

VISTA METALS CORP. (Continued) **1000395229**

Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-22-2013
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-01-1999
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

VISTA METALS CORP. (Continued) **1000395229**

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 04-27-2012
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-27-2018
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes

VISTA METALS CORP. (Continued) **1000395229**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 169445
Site Name: VISTA METALS CORPORATION
Site Address: 13425 WHITTRAM AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 09-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 169445
Facility Name: VISTA METALS CORPORATION
Env Int Type Code: FRS-AIR
Program ID: 110000479312
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.094600
Longitude: -117.513260

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Cesar Castaneda
Entity Title: EHS Manager
Affiliation Address: 13425 WHITTRAM AVENUE
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Vista Metals Corp.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 823-4278,

Affiliation Type Desc: Technical Contact
Entity Name: Aubree Bovat
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: 9094833300,

Affiliation Type Desc: Document Preparer
Entity Name: ALL4
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: CESAR CASTANEDA
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: GREG EMANUELSON
Entity Title: EHS MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ROBERT PRAEFKE
Entity Title: VP OF OPERATIONS
Affiliation Address: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Shayne Seever
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Shayne Seever
Entity Title:	Director of Special Projects
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Vista Metals Corp.
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 823-4278,
Affiliation Type Desc:	Public Contact
Entity Name:	Shayne Seever
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	9098296129,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact

VISTA METALS CORP. (Continued) **1000395229**

Entity Name:	CESAR CASTANEDA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Company Official
Entity Name:	Shayne Seever
Entity Title:	Director of Special Projects
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Legal Owner
Entity Name:	Vista Metals Corp.
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 823-4278,
Affiliation Type Desc:	Parent Corporation
Entity Name:	VISTA METALS CORP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	VIS METALS CORPRT
Entity Title:	Not reported
Affiliation Address:	13425 WHITTRAM AVENUE
Affiliation City:	FONTANA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Affiliation Phone: ,

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 169445
CERS ID: 10046440
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 08-12-2020
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes: Returned to compliance on 08/25/2020. OBSERVATION: Daily inspections of the used oil and oily water tank systems have not been conducted and documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating daily tank inspections on the used oil and oily water tanks are conducted and documented.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 09-01-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to test or inspect each aboveground container for integrity based on industry standards discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas.
Violation Notes: Returned to compliance on 11/07/2017. The integrity testing of tanks has not been conducted as outlined in the SPCC Plan. Compliance Requirement: Submit a stament indicating that tanks AST-1, AST-2 and AST-5 have been tested per API 653 industry standards for initial integrity as outlined in the SPCC plan.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 04-19-1999
Citation: 01001 - Search Title 8 regulations for 3382 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

VISTA METALS CORP. (Continued) **1000395229**

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 05-04-2007
Citation: 04001 - Search Title 8 regulations for 4184 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 12-31-2018
Citation: 03001 - Search Title 8 regulations for 3270(C) at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 10-01-2012
Citation: 03001 - Search Title 8 regulations for 4999 D02 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 08-12-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."
Violation Notes: Returned to compliance on 08/25/2020. OBSERVATION: Annual tank inspections following STI SP001, as described in the SPCC plan, have not been conducted or documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating that annual tank inspections following the SPCC plan are being conducted.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 09-26-2014
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter

VISTA METALS CORP. (Continued) **1000395229**

6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/02/2014.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 05-22-2001
Citation: 01002 - Search Title 8 regulations for 3577 E at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 11-22-2013
Citation: 01001 - Search Title 8 regulations for 3650 T12 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Evaluation:
Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-10-2007
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-23-2001
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency

VISTA METALS CORP. (Continued) **1000395229**

Eval Notes: ROUTINE APSA INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-22-2013
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-01-1999
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA

VISTA METALS CORP. (Continued) **1000395229**

Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 04-27-2012
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-27-2018
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

VISTA METALS CORP. (Continued) **1000395229**

Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 169445
Site Name: VISTA METALS CORPORATION
Site Address: 13425 WHITTRAM AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 09-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 169445
Facility Name: VISTA METALS CORPORATION
Env Int Type Code: FRS-AIR
Program ID: 110000479312
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.094600
Longitude: -117.513260

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Cesar Castaneda
Entity Title: EHS Manager
Affiliation Address: 13425 WHITTRAM AVENUE
Affiliation City: FONTANA

VISTA METALS CORP. (Continued) **1000395229**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Vista Metals Corp.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 823-4278,

Affiliation Type Desc: Technical Contact
Entity Name: Aubree Bovat
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: 9094833300,

Affiliation Type Desc: Document Preparer
Entity Name: ALL4
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: CESAR CASTANEDA
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: GREG EMANUELSON
Entity Title: EHS MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ROBERT PRAEFKE

VISTA METALS CORP. (Continued) **1000395229**

Entity Title:	VP OF OPERATIONS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Shayne Seever
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Shayne Seever
Entity Title:	Director of Special Projects
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Vista Metals Corp.
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 823-4278,
Affiliation Type Desc:	Public Contact
Entity Name:	Shayne Seever
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	9098296129,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,

VISTA METALS CORP. (Continued) **1000395229**

Affiliation Type Desc:	Public Contact
Entity Name:	CESAR CASTANEDA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Company Official
Entity Name:	Shayne Seever
Entity Title:	Director of Special Projects
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,

Affiliation Type Desc:	Legal Owner
Entity Name:	Vista Metals Corp.
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 823-4278,

Affiliation Type Desc:	Parent Corporation
Entity Name:	VISTA METALS CORP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	VIS METALS CORPRT
Entity Title:	Not reported
Affiliation Address:	13425 WHITTRAM AVENUE
Affiliation City:	FONTANA
Affiliation State:	Not reported
Affiliation Country:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Affiliation Zip: Not reported
Affiliation Phone: ,

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FONTANA	S107537508		ALMERA ST, NO OF ARROW ROUTE	92335	CDL
FONTANA	S128004955	14253 WHITTRAM AVENUE	14253, 14315 AND 14339 WHITTRA	92335	ENVIROSTOR, VCP
FONTANA	S107537777		BANANA ST, NO OF ARROW ROUTE	92335	CDL
FONTANA	S107538256		CYPRESS AVE (BETW ARROW HWY &	92335	CDL
RANCHO CUCAMONGA	S101618867	FORE FOOTHILL & GROVE	8112 FOOTHILL BLVD & 8118-8226	91730	ENVIROSTOR, VCP, SWEEPS UST, HIST UST, CA FID UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2023
Date Data Arrived at EDR: 03/28/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/31/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 54

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/12/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 05/31/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/14/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 04/06/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/30/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/27/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/11/2023
Number of Days to Update: 84

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/06/2023
Date Data Arrived at EDR: 06/07/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 79
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing
Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 81
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/19/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/15/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 81

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 55
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/01/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/19/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/16/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/18/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 06/12/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/15/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/12/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/28/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/10/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2023
Date Data Arrived at EDR: 05/24/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/13/2023
Date Data Arrived at EDR: 06/14/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 61

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 60

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/25/2023
Date Data Arrived at EDR: 03/31/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 54

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/14/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/10/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79
Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1469
Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 07/13/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412
Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79
Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77
Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List

Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 816

Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 07/24/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455

Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473

Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432
Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89
Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/24/2023
Date Data Arrived at EDR: 05/30/2023
Date Made Active in Reports: 08/21/2023
Number of Days to Update: 83
Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 02/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1461
Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/17/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 83
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/24/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 82
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/19/2023
Number of Days to Update: 82
Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/03/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 83
Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 04/23/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77
Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88
Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Annually

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 06/09/2023
Date Made Active in Reports: 08/30/2023
Number of Days to Update: 82

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/09/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 06/28/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 85
Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/14/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 85
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/14/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 84
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/06/2023
Date Data Arrived at EDR: 06/07/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing

Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region’s active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data
The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/16/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: No Update Planned

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/13/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 03/29/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 75

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/10/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 82

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 75

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 13

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/03/2023
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/31/2023
Number of Days to Update: 34

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/06/2023
Date Made Active in Reports: 06/26/2023
Number of Days to Update: 81

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/11/2023
Date Made Active in Reports: 06/26/2023
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/14/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/13/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/20/2023
Date Data Arrived at EDR: 06/22/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 48

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/02/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/07/2023
Number of Days to Update: 80
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/20/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 42
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/05/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 81
Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/01/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 27
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/12/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/12/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 62

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/09/2023
Date Data Arrived at EDR: 05/10/2023
Date Made Active in Reports: 08/01/2023
Number of Days to Update: 83

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/04/2023
Date Data Arrived at EDR: 04/05/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 5
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 04/11/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 07/11/2023
Number of Days to Update: 89
Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/11/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/27/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 80

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/27/2023
Date Data Arrived at EDR: 04/21/2023
Date Made Active in Reports: 07/07/2023
Number of Days to Update: 77

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 12

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 56

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/27/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/30/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

12343, 12353,12451, 12455, AND 12459 ARROW ROUTE
12343, 12353,12451, 12455, AND 12459 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

TARGET PROPERTY COORDINATES

Latitude (North):	34.094869 - 34° 5' 41.53''
Longitude (West):	117.534394 - 117° 32' 3.82''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	450703.4
UTM Y (Meters):	3772609.0
Elevation:	1140 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12015973 GUASTI, CA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

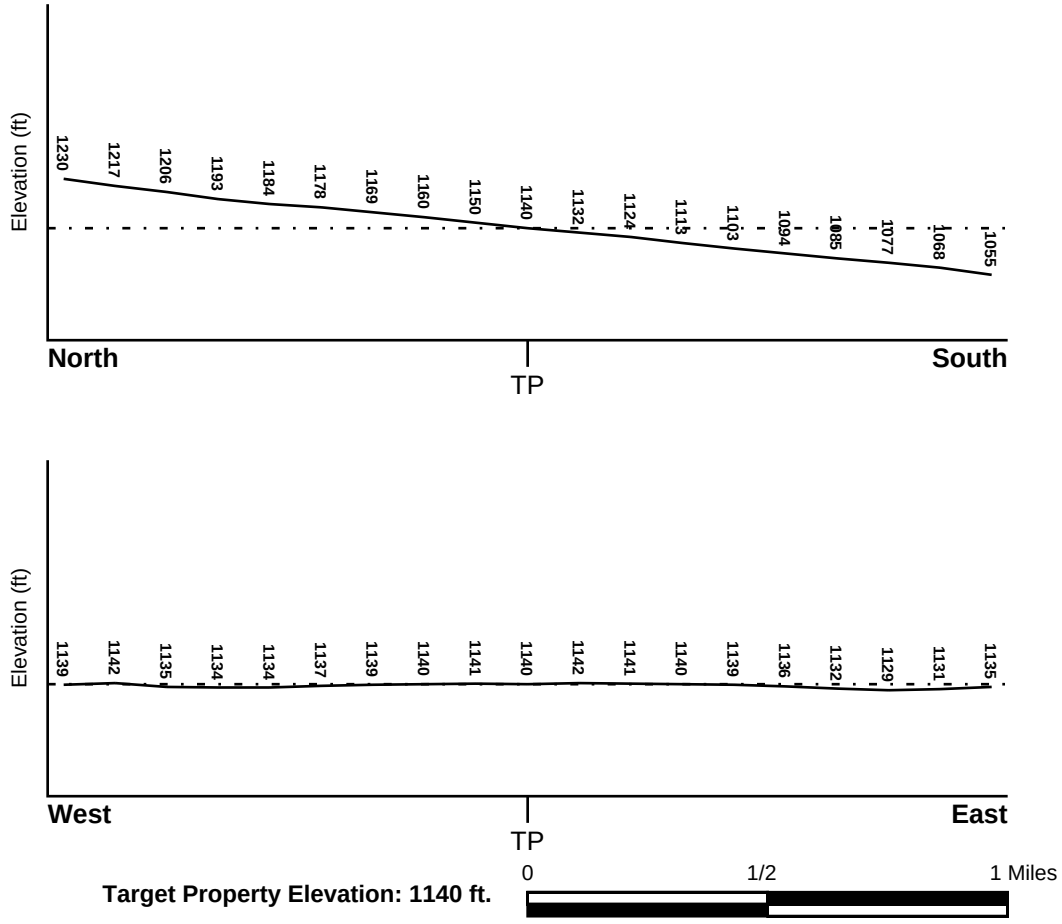
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06071C8635J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06071C8633H	FEMA FIRM Flood data
06071C8634J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
GUASTI	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

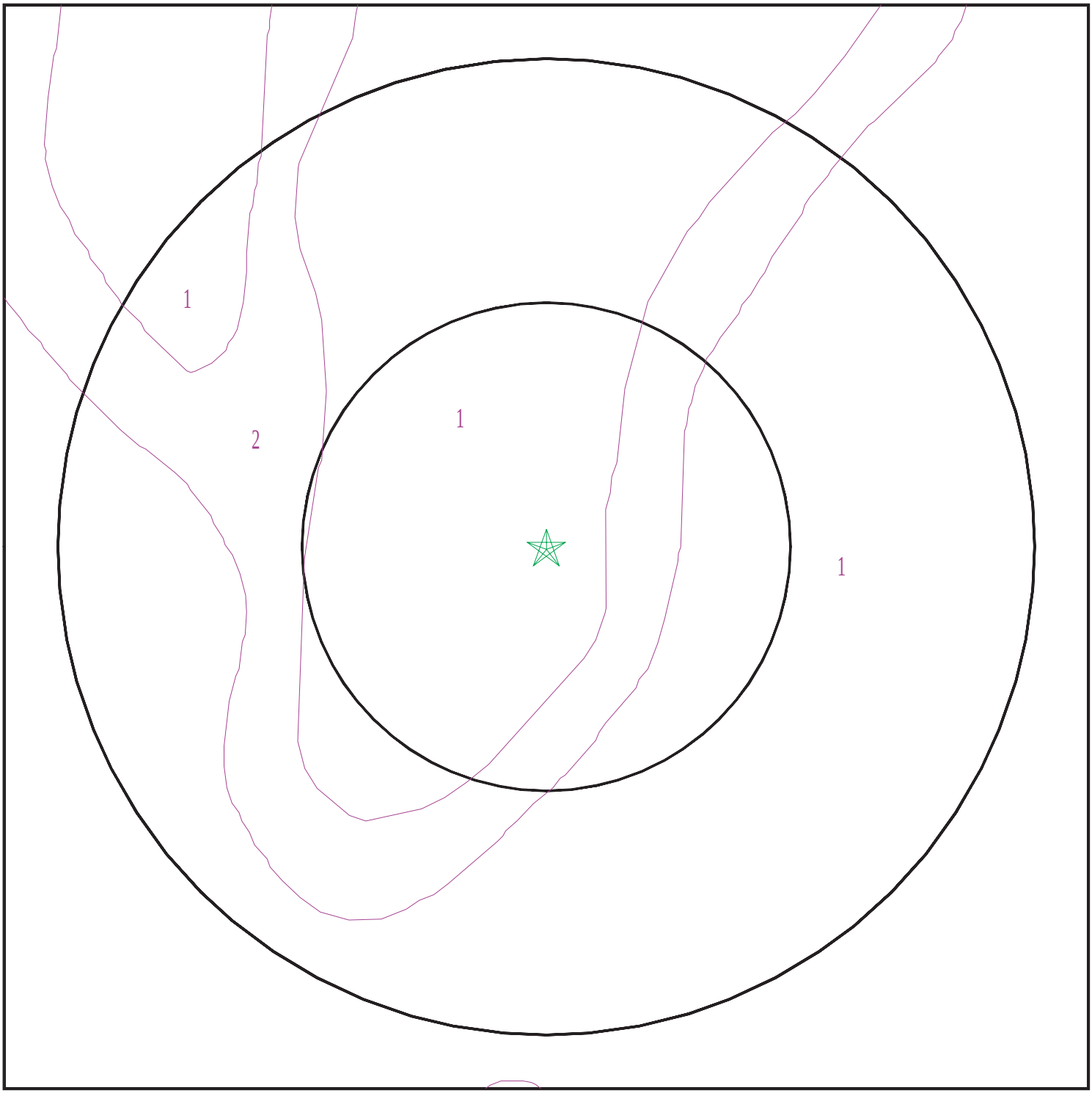
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7435473.2s



SITE NAME:	12343, 12353,12451, 12455, and 12459 Arrow Route	CLIENT:	Kleinfelder, Inc.
ADDRESS:	12343, 12353,12451, 12455, and 12459 Arrow Route Rancho Cucamonga CA 91739	CONTACT:	Lindsey Dandridge-Perry
LAT/LONG:	34.094869 / 117.534394	INQUIRY #:	7435473.2s
		DATE:	September 05, 2023 5:41 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	18 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	35 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1
2	35 inches	59 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

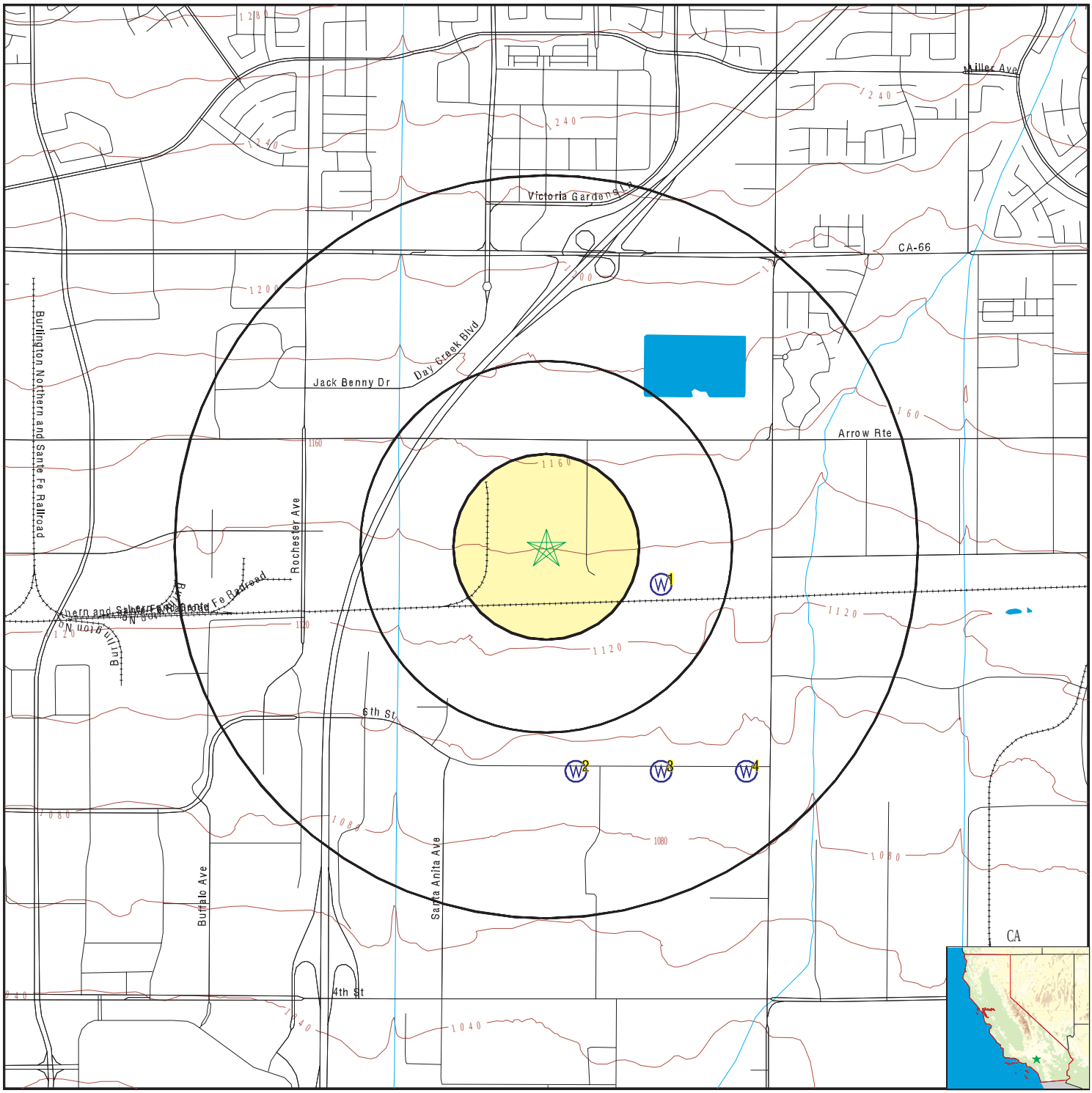
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000022945	1/4 - 1/2 Mile ESE
2	CADWR0000026580	1/2 - 1 Mile South
3	CADWR0000002581	1/2 - 1 Mile SSE
4	CADWR0000036126	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 7435473.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	12343, 12353,12451, 12455, and 12459 Arrow Route	CLIENT:	Kleinfelder, Inc.
ADDRESS:	12343, 12353,12451, 12455, and 12459 Arrow Route Rancho Cucamonga CA 91739	CONTACT:	Lindsey Dandridge-Perry
LAT/LONG:	34.094869 / 117.534394	INQUIRY #:	7435473.2s
		DATE:	September 05, 2023 5:41 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
ESE **CA WELLS** **CADWR0000022945**
1/4 - 1/2 Mile
Lower

Well ID:	01S06W08Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S06W08Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S06W08Q001S&store_num=		
GeoTracker Data:	Not Reported		

2
South **CA WELLS** **CADWR0000026580**
1/2 - 1 Mile
Lower

Well ID:	01S06W17F001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S06W17F001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S06W17F001S&store_num=		
GeoTracker Data:	Not Reported		

3
SSE **CA WELLS** **CADWR0000002581**
1/2 - 1 Mile
Lower

Well ID:	01S06W17G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S06W17G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S06W17G001S&store_num=		
GeoTracker Data:	Not Reported		

4
SE **CA WELLS** **CADWR0000036126**
1/2 - 1 Mile
Lower

Well ID:	01S06W17H001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S06W17H001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S06W17H001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91739	14	0

Federal EPA Radon Zone for SAN BERNARDINO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 91739

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C
User Provided and Regulatory Agency Documentation

DRAFT

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12343, 12353,12451, 12455, and 12459 Arrow Route
12343, 12353,12451, 12455, and 12459 Arrow Route
Rancho Cucamonga, CA 91739

Inquiry Number: 7435473.7
September 07, 2023

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

12343, 12353,12451, 12455, and 12459 Arrow Route
12343, 12353,12451, 12455, and 12459 Arrow Route
Rancho Cucamonga, CA 91739

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

San Bernardino Recorder
San Bernardino, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	BTC III Arrow Route CC LP
Title received from:	Tamco
Deed Dated	12/12/2021
Deed Recorded:	12/29/2021
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	BTC III Arrow Route CC LP
Parcel # / Property Identifier:	0229-121-33-0000, 0229-131-19-0000, 0229-121-34-0000
Comments:	See Exhibit

Deed 2:

Type of Deed:	deed
Title is vested in:	BTC III Arrow Route CC LP
Title received from:	CMC Steel Fabricators Inc
Deed Dated	12/21/2021
Deed Recorded:	12/29/2021
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	BTC III Arrow Route CC LP
Parcel # / Property Identifier:	0229-121-35-0000
Comments:	See Exhibit

Deed Exhibit 1

Electronically
Recorded in Official Records
San Bernardino County
Bob Dutton
Assessor-Recorder-County Clerk

DOC# 2021-0580021

12/29/2021
10:58 AM
SAN

I1287

Titles: 1 Pages: 12

Fees	$47.00
Taxes	$278300.00
CA SB2 Fee	$0.00
Total	$278347.00

RECORDING REQUESTED BY:

Fidelity National Title Company

WHEN RECORDED MAIL TO:

BTC III Arrow Route CC LP
518 17th Street, 17th Floor
Denver, Colorado 80202

MAIL TAX STATEMENTS TO:

BTC III Arrow Route CC LP
518 17th Street, 17th Floor
Denver, Colorado 80202

(SPACE ABOVE THIS LINE FOR RECORDER'S USE)

APNs: 0229-121-33-0-000, 0229-121-34-0-000, and 0229-131-19-0-000

THE UNDERSIGNED GRANTOR DECLARES:
DOCUMENTARY TRANSFER TAX is **$278,300.00** ; CITY TRANSFER TAX is _____.

[X] Computed on full value of property conveyed, or
[ ] Computed on full value less value of liens and encumbrances remaining at time of sale.
[ ] Unincorporated Area; [X] City of Rancho Cucamonga.

THE UNDERSIGNED GRANTOR DECLARES:
The document is exempt from the $75 fee per California Government Code Section 27388.1 because the document is a transfer of real property subject to the imposition of documentary transfer tax. California Government Code Section 27388.1(a)(2).

GRANT DEED

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

TAMCO, a California corporation ("**Grantor**"),

hereby GRANTS to

BTC III ARROW ROUTE CC LP, a Delaware limited partnership ("**Grantee**"),

that certain real property located in the City of Rancho Cucamonga, County of San Bernardino, State of California, more particularly described in Exhibit "A" attached hereto and incorporated herein by reference (the "**Land**").

Grantor reserves the water rights associated with the Land and more particularly described on Schedule "1" attached hereto.

This Grant Deed is and made and delivered, and title to the aforesaid property is conveyed, subject to those items set forth on the attached Exhibit "B".

Executed as of this 21 day of December, 2021.
Effective Date: The date this Grant Deed is recorded in the Official Records of San Bernardino County.

GRANTOR:

TAMCO,
a California corporation

By: _____
Name: Paul Lawrence
Title: Treasurer

[Notary Acknowledgement follows on the next page]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document

STATE OF Texas)
)
COUNTY OF Dallas)

On December 14, 2021, before me, Kathleen Curtis,
personally appeared Paul Laurence,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY of PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: _____ (Seal)

KATHLEEN CURTIS
Notary Public, State of Texas
Comm. Expires 04-01-2025
Notary ID 1058759

EXHIBIT "A"
TO GRANT DEED

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF RANCHO CUCAMONGA, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

PARCEL 3 OF PARCEL MAP NO. 7847, IN THE CITY OF RANCHO CUCAMONGA, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 82, PAGES 48 THROUGH 51, INCLUSIVE, OF PARCEL MAPS, RECORDS OF SAID COUNTY.

APN: 0229-131-19-0-000.

PARCEL B:

PARCEL 2 OF PARCEL MAP NO. 2421, IN THE CITY OF RANCHO CUCAMONGA, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 22, PAGE 20 OF PARCEL MAPS, RECORDS OF SAN BERNARDINO COUNTY.

APN: 0229-121-33-0-000.

PARCEL C:

THAT PORTION OF THE SOUTHWEST 1/4 OF SECTION 8, TOWNSHIP 1 SOUTH, RANGE 6 WEST, SAN BERNARDINO BASE AND MERIDIAN, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND ON FILE IN THE DISTRICT LAND OFFICE, DESCRIBED AS PARCEL 4 IN DEED TO AMERICAN PIPE AND CONSTRUCTION CO., A CORPORATION, RECORDED SEPTEMBER 18, 1968, IN BOOK 7095, PAGE 764, OFFICIAL RECORDS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY LYING WESTERLY OF A LINE, PARALLEL WITH AND DISTANT EASTERLY, 230.00 FEET, MEASURED AT RIGHT ANGLES FROM THE FOLLOWING DESCRIBED SURVEYED REFERENCED LINE:

BEGINNING AT A POINT ON THE NORTHERLY LINE OF SAID SOUTHWEST 1/4, SAID POINT BEING NORTH 89° 56' 18" WEST 1152.25 FEET, MEASURED ALONG SAID NORTHERLY LINE FROM A FOUND COUNTY SURVEYOR'S MONUMENT SET AT THE NORTHEAST CORNER OF SAID SOUTHWEST 1/4, SAID POINT ALSO BEING SOUTH 89° 56' 18" EAST 1499.15 FEET, MEASURED ALONG SAID NORTHERLY LINE

FROM A FOUND COUNTY SURVEYOR'S MONUMENT SET AT THE WEST 1/4 CORNER OF SAID SECTION 8; THENCE SOUTH 1° 12' 19" WEST 2646.78 FEET TO A POINT IN THE SOUTHERLY LINE OF SAID SECTION, SAID POINT BEING NORTH 89° 59' 30" EAST 1452.58 FEET, MEASURED ALONG SAID SOUTHERLY LINE FROM A FOUND COUNTY SURVEYOR'S MONUMENT SET AT THE SOUTHWEST CORNER OF SAID SECTION 8.

EXCEPTING THEREFROM 1/2 OF ALL OIL, GAS AND OTHER HYDROCARBON SUBSTANCES AND MINERALS IN AND UNDER OR THAT MAY BE PRODUCED FROM A DEPTH BELOW 500 FEET BELOW THE SURFACE OF ALL OF SAID LAND, WITHOUT RIGHT OF ENTRY UPON THE SURFACE OF ANY OF SAID LAND FOR THE PURPOSE OF MINING, DRILLING, EXPLORING OR EXTRACTING SUCH OIL, GAS AND OTHER HYDROCARBON SUBSTANCES, OR MINERALS, OR OTHER USE OF OR RIGHTS IN OR TO ANY PORTION OF THE SURFACE OF SAID LAND TO A DEPTH OF 500 FEET BELOW THE SURFACE THEREOF, BUT WITH THE RIGHT TO DRILL INTO, LOCATE WELLS AND PRODUCE OIL, GAS AND OTHER HYDROCARBON SUBSTANCES OR MINERALS FROM ANY PORTION OF SAID LAND WHICH LIES BELOW 500 FEET FROM THE SURFACE THEREOF, TOGETHER WITH THE RIGHT TO EXPLORE FOR, DRILL AND EXTRACT OIL, GAS OR OTHER HYDROCARBON SUBSTANCES OR MINERAL FROM LANDS OR PREMISES OTHER THAN THE LANDS ABOVE DESCRIBED BY MEANS OF DIRECTIONAL DRILLING OR MINING THROUGH SAID LANDS FROM A WELL SITE, DRILL SITE OR TUNNEL SITE SITUATED UPON LANDS OR PREMISES OTHER THAN THE LANDS ABOVE DESCRIBED, AS RESERVED IN DEED RECORDED MAY 5, 1955, IN BOOK 3637, PAGE 135, OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM ALL URANIUM, THORIUM AND OTHER FISSIONABLE MATERIALS, ALL OIL, GAS, PETROLEUM, ASPHALTUM, AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER, WHETHER SIMILAR TO THESE HEREIN SPECIFIED OR NOT, AS RESERVED IN DEED RECORDED DECEMBER 19, 1974, IN BOOK 8580, PAGE 21, OFFICIAL RECORDS.

APN: 0229-121-34-0-000.

(End of Legal Description)

EXHIBIT "B"
TO GRANT DEED

PERMITTED EXCEPTIONS

1. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:
Code Area: 015-080
Tax Identification Nos.: 0229-131-19, 0229-121-33, and 0229-121-34
Fiscal Year: 2021-2022

2. An assessment by the improvement district shown below:
Assessment (or Bond) No: 1915 ACT
Series: AD #85-PD
District: Rancho Cucamonga
For: Rancho Asmt Dist 85-PD
Bond issued: April 27, 1993
Affects: Parcels A, B and C

3. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to the Effective Date of this Grant Deed.

4. The herein described property lies within the boundaries of a Mello-Roos Community Facilities District (CFD) as follows:
CFD No: Community Facilities District No. 85-1
For: To pay for certain public capital facilities, including the payment of principal and interest on bonds
Disclosed by: Notice of Special Tax Lien
Recording Date: March 17, 1987
Recording No.: 1987-86336, Official Records
Affects: Parcels A and B

5. Matters contained in that certain document:
Entitled: Notice of Assessment
Executed by: City Clerk, City of Rancho Cucamonga
Recording Date: April 27, 1993
Recording No: 1993-179130, Official Records

6. Water rights, claims or title to water, whether or not disclosed by the public records.

7. Reservations contained in the Patent:
From: The United States of America
Recording No: Book C, Page 373, of Patents

8. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Southern California Edison Company
Purpose: Pole lines and conduits
Recording Date: January 29, 1957
Recording No: Book 4142, Page 246, Official Records
Affects: Parcel A

9. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: General Telephone Company
Purpose: Either or both pole lines and conduits
Recording Date: February 4, 1957
Recording No: Book 4147, Page 593, Official Records
Affects: Parcel A

10. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Cucamonga County Water District
Purpose: Ingress and egress
Recording Date: September 24, 1970
Recording No: 539, Book 7522, Page 738, Official Records

11. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Chino Basin Municipal Water District
Purpose: Ingress and egress
Recording Date: October 19, 1972
Recording No: Book 8044, Page 982, Official Records
Affects: Parcels B and C

12. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Ameron Inc.
Purpose: Railroad spur track
Recording Date: December 19, 1974
Recording No: Book 8580, Page 19, Official Records
Affects: Parcels B and C

13. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Southern California Edison Company, a corporation
Purpose: Public utilities
Recording Date: March 15, 1976
Recording No: Book 8883, Page 431, Official Records
Affects: Parcel B

14. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Southern California Edison Company
Purpose: Underground conduits
Recording Date: September 27, 1976
Recording No: 689, Book 9020, Page 988, Official Records
Affects: Parcel A

15. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Southern California Edison Company, a corporation
Purpose: Public utilities
Recording Date: September 27, 1976
Recording No: Book 9020, Page 990, Official Records

Matters contained in that certain document
Entitled: Consent to Grant of Easement
Recording Date: September 16, 1977
Recording No: Book 9264, Page 1342, Official Records
Affects: Parcel B

16. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Chino Basin Municipal Water District
Purpose: Pipelines, mains and surface structures
Recording Date: August 19, 1977
Recording No: Book 9245, Page 1733, Official Records
Affects: Parcel B

17. The Land described herein is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the Redevelopment Plan) as disclosed by a document:
Redevelopment Agency: The Rancho Redevelopment Project Area
Recording Date: December 29, 1981
Recording No: 1981-280450, Official Records

18. Matters contained in that certain document:
Entitled: Resolution No. 82-193
Recording Date: July 26, 1982
Recording No: 1982-144960, Official Records

19. Easement(s) for the purpose(s) shown below and rights incidental thereto, as delineated on or as offered for dedication on:
Map/Plat: Parcel Map No. 7847
Recording Date: August 20, 1983
Recording No: Book 82, Pages 48 through 51, of Parcel Maps
Purpose: Private drainage easements, for cross lot drainage
Affects: Parcel A

20. Matters contained in that certain document:
Entitled: Amended and Restated Reciprocal Easement Agreement
Recording Date: August 06, 2014
Recording No: 2014-285087, Official Records
Affects: Parcel A and B

21. Matters contained in that certain document
Entitled: Drainage Acceptance Agreement for TAMCO
Recording Date: April 11, 1989
Recording No: 89-128504, Official Records
Affects: Parcel B

22. The Land described herein is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the Redevelopment Plan) as disclosed by a document:
Redevelopment Agency: The Rancho Cucamonga Redevelopment Project Area
Recording Date: December 14, 2007
Recording No: 2007-0695659, Official Records

23. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Ameron International Corporation, a Delaware corporation
Purpose: Traffic signal facilities and related purposes
Recording Date: July 16, 2012
Recording No: 2012-283139, Official Records
Affects: Parcel A

24. Matters contained in that certain document
Entitled: Memorandum of Agreement of Storm Water Quality Management Plan
Recording Date: July 06, 2017
Recording No: 2017-276059, Official Records
Affects: Parcel A

25. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: The City of Rancho Cucamonga, a Municipal Corporation
Purpose: Streets, highways and related purposes
Recording Date: January 31, 2018
Recording No: 2018-35390, Official Records
Affects: Parcel C

26. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: The City of Rancho Cucamonga, a Municipal Corporation
Purpose: Public utilities and related purposes
Recording Date: September 10, 2018
Recording No: 2018-334243, Official Records
Affects: Parcel C

27. Matters contained in that certain document
Entitled: Easement Agreement
Recording Date: November 05, 2018
Recording No: 2018-402853, Official Records
Affects: Parcel A

28. Any rights, interests, or claims which may exist or arise by reason of the following matters disclosed by the following survey:
ALTA Survey By: Thienes Engineering
Dated: 10/29/2021
Job No.: 4021

a. An encroachment of rip-rap into an easement for street right of way purposes for Arrow Highway at the northwest corner of the property. Said easement recorded as instrument no. 2018-35390 of official records (item 25).
b. An encroachment of a guy anchor onto the property from a power pole located in the street right of way purposes for Arrow Highway, to undisclosed amounts.
c. An 8" sewer line crosses the south boundary of the property.
d. Railroad tracks cross the south boundary of the property.
e. An encroachment of a building into the 15' parking setback and the 25' building setback along the south boundary of the property.
f. An encroachment of a building over a portion of an easement for electric utility purposes. Said easement recorded in book 8883, page 431 of official records (item 13).

g. An encroachment of 2 buildings over an easement for telephone utility purposes. Said easement recorded in book 4147, page 593 of official records (item 9).
h. Utility structures located over various portions of the property not residing in apparent easements of record.

SCHEDULE "1"
TO GRANT DEED

RESERVED WATER RIGHTS

Grantor (as a successor-in-interest to a portion of the overlying non-agricultural water rights formerly held by Ameron), holds rights to produce groundwater in the Chino Basin as were adjudicated by the Superior Court for the County of San Bernardino in *Chino Basin Municipal Water District v City of Chino, et al.*, Case No. RCV 51010 (formerly Case No. 164327), which resulted in a judgment signed on January 27, 1978, as subsequently amended and restated (the "Water Rights Judgment").

Grantor's reserved water rights include the following water rights in the Chino Basin, as shown by Watermaster's latest Assessment Package approved on November 19, 2020 for Fiscal Year ("FY") 2020/2021 (Production Year 2019/2020):

- 42.6 acre-feet ("AF") of Safe Yield Rights. The Safe Yield Rights represent Grantor's individual share of 7,366 AF/year of the Safe Yield of the Chino Basin allocated to the Overlying (Non-Agricultural) Pool by the Water Rights Judgment.

- 81.0 AF Annual Production Right for FY 2020/2021. The Annual Production Right represents the total amount of groundwater that TAMCO may produce from the Chino Basin during a particular year (July 1 through June 30) without drawing upon Grantor's Local Storage Account (defined below) or incurring additional Watermaster assessments for replenishment water.

- 235.3 AF Local Storage Account. The Local Storage Account represents water-in-storage held by Grantor pursuant to a Local Storage Agreement with Watermaster, based upon Watermaster's accounting for accumulations of past unused Annual Production Right and other storage credits and losses.

Deed Exhibit 2

RECORDING REQUESTED BY:

Fidelity National Title Company

WHEN RECORDED MAIL TO:

BTC III Arrow Route CC LP
518 17th Street, 17th Floor
Denver, Colorado 80202

MAIL TAX STATEMENTS TO:

BTC III Arrow Route CC LP
518 17th Street, 17th Floor
Denver, Colorado 80202

Electronically
Recorded in Official Records
San Bernardino County
Bob Dutton
Assessor-Recorder-County Clerk

DOC# 2021-0580020

12/29/2021	Titles: 1	Pages: 10	
10:58 AM			
SAN	Fees		$41.00
	Taxes		$66000.00
I1287	CA SB2 Fee		$0.00
	Total		$66041.00

(SPACE ABOVE THIS LINE FOR RECORDER'S USE)

APN: 0229-121-35-0-000

THE UNDERSIGNED GRANTOR DECLARES:
DOCUMENTARY TRANSFER TAX is **$66,000.00** ; CITY TRANSFER TAX is _____.

[X] Computed on full value of property conveyed, or
[ ] Computed on full value less value of liens and encumbrances remaining at time of sale.
[ ] Unincorporated Area; [X] City of Rancho Cucamonga.

THE UNDERSIGNED GRANTOR DECLARES:
The document is exempt from the $75 fee per California Government Code Section 27388.1 because the document is a transfer of real property subject to the imposition of documentary transfer tax. California Government Code Section 27388.1(a)(2).

GRANT DEED

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

CMC STEEL FABRICATORS, INC., a Texas corporation ("**Grantor**"),

hereby GRANTS to

BTC III ARROW ROUTE CC LP, a Delaware limited partnership ("**Grantee**"),

that certain real property located in the City of Rancho Cucamonga, County of San Bernardino, State of California, more particularly described in Exhibit "A" attached hereto and incorporated herein by reference (the "**Land**").

Grantor reserves the water rights associated with the Land and more particularly described on Schedule "1" attached hereto.

This Grant Deed is and made and delivered, and title to the aforesaid property is conveyed, subject to those items set forth on the attached Exhibit "B".

Executed as of this 21 day of December, 2021.
Effective Date: The date this Grant Deed is recorded in the Official Records of San Bernardino County.

GRANTOR:

CMC STEEL FABRICATORS, INC.,
a Texas corporation

By: _____
Name: Paul Lawrence
Title: Treasurer

[Notary Acknowledgement follows on the next page]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document

STATE OF Texas)
)
COUNTY OF Dallas)

On December 21, 2021, before me, Kathleen Curtis,
personally appeared Paul Lawrence,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY of PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: _____ (Seal)

KATHLEEN CURTIS
Notary Public, State of Texas
Comm. Expires 04-01-2025
Notary ID 1058759

EXHIBIT "A"
TO GRANT DEED

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF RANCHO CUCAMONGA, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL NO. 1, PARCEL MAP NO. 7847, IN THE CITY OF RANCHO CUCAMONGA, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 82, PAGES 48 TO 51, INCLUSIVE, OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TOGETHER WITH THAT PORTION OF JUNEBERRY DRIVE AS VACATED BY THAT CERTAIN RESOLUTION 89-158 BY THE CITY COUNCIL OF THE CITY OF RANCHO CUCAMONGA, RECORDED APRIL 24, 1989, AS INSTRUMENT NO. 89-144726, OFFICIAL RECORDS.

EXCEPT THEREFROM ONE-HALF OF ALL OIL, GAS AND OTHER HYDROCARBON SUBSTANCES AND MINERALS AND UNDER OR THAT MAY BE PRODUCED FROM A DEPTH OF 500 FEET BELOW THE SURFACE OF ALL OF SAID LAND, WITHOUT RIGHT OF ENTRY UPON THE SURFACE OF ANY OF SAID LAND FOR THE PURPOSE OF MINING, DRILLING, EXPLORING OR EXTRACTING SUCH GAS, OIL, AND OTHER HYDROCARBON SUBSTANCES OR MINERALS, OR OTHER USE OF OR RIGHT IN OR TO ANY PORTION OF THE SURFACE OF SAID LAND TO A DEPTH OF 500 FEET BELOW THE SURFACE THEREOF, BUT WITH THE RIGHT TO DRILL INTO, LOCATE WELLS AND PRODUCE OIL, GAS AND OTHER HYDROCARBON SUBSTANCES OR MINERALS FROM ANY PORTION OF SAID LAND WHICH LIES BELOW 500 FEET FROM THE SURFACE THEREOF, TOGETHER WITH THE RIGHT TO EXPLORE FOR, DRILL AND EXTRACT OIL, GAS AND OTHER HYDROCARBON SUBSTANCES OF MINERALS FROM OR PREMISES OTHER THAN THE LANDS ABOVE DESCRIBED BY MEANS OF DIRECTIONAL DRILLING OR MINING THROUGH SAID LAND FROM A WELL SITE, DRILL SITE OR TUNNEL SITE SITUATED UPON LANDS OR PREMISES OTHER THAN THE LANDS ABOVE DESCRIBED AS RESERVED IN THE DEED FROM CHARLES M. ROSS AND REGINA ROSS, RECORDED MAY 5, 1955 IN BOOK 3637, PAGE 135 OF OFFICIAL RECORDS.

APN: 0229-121-35-0-000

(End of Legal Description)

EXHIBIT "B"
TO GRANT DEED

PERMITTED EXCEPTIONS

1. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:
   Code Area: 015-080
   Tax Identification No.: 0229-121-35-0-000
   Fiscal Year: 2021-2022

2. An assessment by the improvement district shown below:
   Assessment (or Bond) No: 1915 ACT
   Series: AD #85-PD
   District: Rancho Cucamonga
   For: Rancho Asmt Dist 85-PD
   Bond issued: April 27, 1993

3. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to the Effective Date of this Grant Deed.

4. The herein described property lies within the boundaries of a Mello-Roos Community Facilities District (CFD) as follows:
   CFD No: Community Facilities District No. 85-1
   For: To pay for certain public capital facilities, including the payment of principal and interest on bonds
   Disclosed by: Notice of Special Tax Lien
   Recording Date: March 17, 1987
   Recording No.: 1987-86336, Official Records

5. Matters contained in that certain document:
   Entitled: Notice of Assessment
   Executed by: City Clerk, City of Rancho Cucamonga
   Recording Date: April 27, 1993
   Recording No: 1993-179130, Official Records

6. Water rights, claims or title to water, whether or not disclosed by the public records.

7. Reservations contained in the Patent:
From: The United States of America
Recording No: Book C, Page 373, of Patents

8. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Cucamonga County Water District
Purpose: Ingress and egress
Recording Date: September 24, 1970
Recording No: 539, Book 7522, Page 738, Official Records

9. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Ameron Inc.
Purpose: Railroad spur track
Recording Date: December 19, 1974
Recording No: Book 8580, Page 19, Official Records

10. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Southern California Edison Company, a corporation
Purpose: Road
Recording Date: March 15, 1976
Recording No: 271, Book 8883, Page 434, Official Records

The effect of a "Partial Quitclaim Deed"
Recording Date: June 13, 1988
Recording No.: 1988-186624, Official Records

11. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Southern California Gas Company
Purpose: Pipe lines
Recording Date: August 05, 1976
Recording No: 598, Book 8984, Page 836, Official Records

12. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Chino Basin Municipal Water District
Purpose: Underground pipe lines
Recording Date: August 19, 1977
Recording No: Book 9245, Page 1728, Official Records

13. The Land described herein is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the Redevelopment Plan) as disclosed by a document:
Redevelopment Agency: The Rancho Redevelopment Project Area
Recording Date: December 29, 1981
Recording No: 1981-280450, Official Records

14. Matters contained in that certain document:
Entitled: Resolution No. 82-193
Recording Date: July 26, 1982
Recording No: 1982-144960, Official Records

15. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Chino Basin Municipal Water District, its successors in interest and/or assigns
Purpose: Construction, maintain, repair, replace and operate underground pipelines or surface structures for the purpose of conveying wastewater, liquids or semi-liquids
Recording Date: March 08, 1984
Recording No: 1984-054208, Official Records

16. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Southern California Edison Company
Purpose: Public utilities
Recording Date: April 06, 1989
Recording No: 89-122200, Official Records

17. Matters contained in that certain document:
Entitled: Drainage Acceptance Agreement
Recording Date: April 11, 1989
Recording No: 89-128503, Official Records

18. Matters contained in that certain document:
Entitled: Drainage Acceptance Agreement for TAMCO
Recording Date: April 11, 1989
Recording No: 89-128504, Official Records

19. Any irregularities, reservations, easements or other matters in the proceedings occasioning the abandonment or vacation of the street/road shown below:
Name: Juneberry Drive
Recording Date: April 24, 1989
Recording No: 89-144726, Official Records

Easements, if any, for public utilities, pipelines or facilities installed in any portion of the vacated street or alley lying within the Land, together with the right of ingress and egress to repair, maintain, replace and remove the same.

20. The Land described herein is included within a project area of the Redevelopment Agency shown below, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the Redevelopment Plan) as disclosed by a document:
Redevelopment Agency: The Rancho Cucamonga Redevelopment Project Area
Recording Date: December 14, 2007
Recording No: 2007-0695659, Official Records

21. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Southern California Edison Company, a corporation, its successors and assigns
Purpose: Public utilities
Recording Date: June 30, 2010
Recording No: 2010-262500, Official Records

22. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:
In favor of: Southern California Edison Company, a corporation, its successors and assigns
Purpose: Public utilities
Recording Date: December 11, 2014
Recording No: 2014-473138, Official Records

23. Any rights, interests, or claims which may exist or arise by reason of the following matters disclosed by the following survey:
ALTA Survey By: Thienes Engineering
Dated: 10/29/2021
Job No.: 4021

    a. An encroachment of a guy anchor onto the property from a power pole located in the street right of way purposes for Arrow Highway, to undisclosed amounts.
    b. 7 monitoring wells located over various portions of the property.
    c. Industrial ventilation unit.
    d. Utility structures located over various portions of the property not residing in apparent easements of record.

SCHEDULE "1"
TO GRANT DEED

RESERVED WATER RIGHTS

Grantor (as a successor-in-interest to a portion of the overlying non-agricultural water rights formerly held by Ameron), holds rights to produce groundwater in the Chino Basin as were adjudicated by the Superior Court for the County of San Bernardino in *Chino Basin Municipal Water District v City of Chino, et al.*, Case No. RCV 51010 (formerly Case No. 164327), which resulted in a judgment signed on January 27, 1978, as subsequently amended and restated (the "Water Rights Judgment").

Grantor's reserved water rights include the following water rights in the Chino Basin, as shown by Watermaster's latest Assessment Package approved on November 19, 2020 for Fiscal Year ("FY") 2020/2021 (Production Year 2019/2020):

- 42.6 acre-feet ("AF") of Safe Yield Rights. The Safe Yield Rights represent Grantor's individual share of 7,366 AF/year of the Safe Yield of the Chino Basin allocated to the Overlying (Non-Agricultural) Pool by the Water Rights Judgment.

- 81.0 AF Annual Production Right for FY 2020/2021. The Annual Production Right represents the total amount of groundwater that TAMCO may produce from the Chino Basin during a particular year (July 1 through June 30) without drawing upon Grantor's Local Storage Account (defined below) or incurring additional Watermaster assessments for replenishment water.

- 235.3 AF Local Storage Account. The Local Storage Account represents water-in-storage held by Grantor pursuant to a Local Storage Agreement with Watermaster, based upon Watermaster's accounting for accumulations of past unused Annual Production Right and other storage credits and losses.

THIS MAP IS FOR THE PURPOSE OF AD VALOREM TAXATION ONLY.

Ptn. E.1/2 Sec.7, & Ptn. S.W.1/4 Sec.8, T.1S.,R.6W., S.B.B.&M.

City of Rancho Cucamonga 0229 - 12
Tax Rate Area
15016 15018

1" = 300'

02

MAP 148-36-162D PAR. NO. 6

N.E. COR. SEC.7

ARROW ROUTE

AVENUE (ROCHESTER AVENUE)

Par. 7 (42) 1.56 AC.
Par. 8 (2.33 AC.) (57) 9.44 AC.
Par. 9 (2.18 AC.)
Par. 10 (45) 2.6 AC.
Par. 11 (46) 4.28 AC.
Par. 12 (47) 3.12 AC.
Par. 13 (48) 2.28 AC.
Par. 6 (2.03 AC.) (58) (59) 1.02 AC.
Par. 5 (2.16 AC.)
Par. 4 (2.69 AC.)
Par. 1 (36) 1.79 AC.
Par. 2 (37) 1.52 AC.
Par. 3 (38) 2.11 AC.
Ptn. Lot 104 (14) (28) (27) 3.84 AC.
Ptn. Lot 103
Ptn. Lot 102
Ptn. Lot 101
Ptn. Lot 100

MAP 148-36-162 PAR. NO. 3

P.M. 127/29-31
P.M. 245/68-70
P.M. 143/90-91
P.M. 82/48-51
P.M. 22/20
M.B. 9/20

JERSEY CT

DIST. DAY CREEK
HIGHWAY
CONTROL FLOOD
STATE
ORANGE

MAP 148-36-63 PAR. 1

(13) 6.01 AC.
(16) 13.732 AC.
(15) 41.21 AC.
121
(10) 11.09 AC.
(20) 8.03 AC.
(34) 19.02 AC.
Par. 1 (35) 15.32 AC.
Par. 2 (33) 30.12 AC.
Ptn. Par.3
Ptn. Par. 2

VAC
EASEMENT ONLY

MAP 804-36-70 PAR. NO. 1 (12)
MAP 804-36-7 PAR. NO. 4A (53)
MAP 804-36-7 PAR. NO. 4 (01)
MAP 804-36-7G PAR. NO. 14A (54)

T.R.A. 15016 15018
ASSESSED ON PAGE 11

11 13 27 28

Parcel Map No. 10782, P.M. 127/29-31
Ptn. Parcel Map No. 7847, P.M. 82/48-51
Ptn. Parcel Map No. 2421, P.M. 22/20
Ptn. Rochester M.B. 9/20
Parcel Map No. 19614, P.M. 245/68-70, Condo Plan 2016-0048439
Ptn. Parcel Map No. 12121, P.M. 143/90-91

February 2004

Assessor's Map
Book 0229 Page 12
San Bernardino County

REVISED
05/24/16 RM
06/08/16 RU
09/28/16 RU
05/03/18 KA

THIS MAP IS FOR THE PURPOSE OF AD VALOREM TAXATION ONLY.

Ptn. Sec. 17&18, T.1S.,R.6W., S.B.B.&M.

0229 - 28

City of Rancho Cucamonga
Tax Rate Area
15016,15019,15080,15027

1"=600'

N.E. COR. SEC. 18 T1S., R6W.

S. LINE SEC. 8, T1S., R6W.
N. LINE SEC. 17, T1S., R6W.

MAP 804-36-7F PAR. NO. 11

ASSESSED ON PAGE 27

MAP 148-36-218 PAR. 2

MAP 148-36-218 PTN. PAR. 3

MAP 804-36-7P PAR. NO. 34 (ESMT ONLY)

MAP 804-36-7P PTN. PAR. NO 36 (ESMT ONLY)

MAP 804-36-7F PTN. PAR. 12

MAP 804-36-7P PAR. NO. 37 (ESMT ONLY)

MAP 148-36-162A PAR. NO. 1

Par. 1
Par. 2
Par. 3
Par. 4
Par. 5

Ptn. Par. 2

16	1.23 AC.	05	MAP 148-36-70 PTN. PAR. 4
17	1.29 AC.	06	MAP 148-36-162D PAR. 2
		07	MAP 148-36-162D PAR. 3
18	1.46 AC.	09	MAP 148-36-70 PTN. PAR. 4
19	1.41 AC.	10	MAP 804-36-7H PTN. PAR. 16
20	1.33 AC.	11	MAP 148-36-63 PTN. PAR. 2

Parcel Map No. 16009, P.M. 223/100-102
Parcel Map No. 16010, P.M. 203/24-25
Parcel Map No. 15665, P.M. 200/93-94
Parcel Map No. 8891, P.M. 99/69-70
Parcel Map No. 7951, P.M. 87/11-13
Ptn. Parcel Map No. 6658, P.M. 64/51-52
Ptn. Parcel Map No. 4749, P.M. 47/28-29
Ptn. Map of Rochester M.B. 9/20

REVISED
08/23/22 KA

Assessor's Map
Book 0229 Page 28
San Bernardino County

February 2004

San Bernardino County Assessor - Recorder - County Clerk

Office of Chris Wilhite

Report generated: Friday, September 1, 2023

Parcel Report



Parcel

Parcel: 0229121330000

Parcel Status: A | ACTIVE

Parcel Type: 0 | REAL PROPERTY

Property ID:

Tax Status: 1 | ASSESSED BY COUNTY

Use Code: LT INDUST

Land Access: PUB/PV PUBLIC PAVED

Size: 09 | 25.001 ACRES AND OVER

Land Type: 01 | INDUSTRIAL

District: ONTARIO

Resp Group: D | REAL PROPERTY

RespnUnit: IND | INDUSTRIAL ZONE OR USE

Owner

Owner 1: BTC III ARROW ROUTE CC LP

Owner 2: C/O MARVIN F POER AND COMPANY

Joint Owner:

Effective Date: 05/18/2022

Current Owners

Name	R/I	% Int	Type	Acquisition Date	Document Date	Inactive Date	Document Nbrs
BTC III ARROW ROUTE CC LP	PT = PARTNERSHIP	100.0000	B = BILLED OWNER	12/29/2021	12/29/2021	NONE	20210580021

Roll Values History

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Improvem Penalty
2023	15146	NO			BTC III ARROW ROUTE CC LP		$96,359,400	$816,000	0
2022	15016	NO			BTC III ARROW ROUTE CC LP		$94,470,000	$800,000	0
2021	15016	YES	02/24/2022	570I	TAMCO		$27,062,695	$664,716	0
2020	15016	NO	02/24/2022	570I	TAMCO		$26,785,200	$657,900	0
2019	15016	NO	02/24/2022	570I	TAMCO		$26,260,000	$645,000	0
2018	15016	YES			TAMCO		$9,602,399	$2,504,192	0
2017	15016	NO			TAMCO		$9,414,117	$2,455,090	0
2016	15016	NO			TAMCO		$9,229,526	$2,406,951	0
2015	15016	NO			TAMCO		$9,090,890	$2,370,796	0
2014	15016	NO			TAMCO		$8,912,812	$2,324,355	0
2013	15016	NO	10/29/2013	570I	TAMCO		$8,872,531	$2,313,850	0
2012	15016	NO	10/29/2013	570I	TAMCO		$8,698,560	$2,268,480	0
2011	15016	NO	10/29/2013	570I	TAMCO		$8,528,000	$2,224,000	0
2010	15016	YES			TAMCO		$742,056	$4,262,532	0
2009	15016	NO			TAMCO		$743,819	$4,272,658	0
2008	15016	NO			TAMCO		$729,234	$4,188,880	0
2007	15016	NO			TAMCO		$714,935	$4,106,745	0
2006	15016	NO			TAMCO		$700,917	$4,026,221	0
2005	15016	NO			TAMCO		$687,174	$3,947,275	0
2004	15016	NO			TAMCO		$673,700	$3,869,877	0
2003	15016	NO			TAMCO		$661,353	$3,798,951	0
2002	15016	NO			TAMCO		$648,385	$3,724,462	0
2001	15016	NO			TAMCO		$635,672	$3,651,433	0
2000	15016	NO	04/17/2001	540D	TAMCO		$623,208	$3,579,836	0
1999	15016	YES			TAMCO		$610,988	$3,166,736	0
1998	15016	YES			TAMCO		$599,890	$2,867,776	0
1997	15016	YES			TAMCO		$588,127	$2,786,462	0
1996	15016	NO			TAMCO		$576,595	$2,536,533	0
1995	15016	YES	08/15/1995	570	TAMCO		$570,265	$2,402,431	0
1994	15016	YES			TAMCO		$563,559	$2,203,873	0
1993	15016	NO			TAMCO		$552,509	$2,160,660	0
1992	15016	NO			TAMCO		$541,675	$2,078,679	0
1991	15016	NO			TAMCO		$531,054	$2,037,921	0
1990	15016	NO			TAMCO		$520,641	$1,571,062	0
1989	15016	NO			TAMCO		$510,432	$1,516,539	0
1988	15016	NO			TAMCO		$500,424	$540,512	0
1987	15016	NO			TAMCO		$436,202	$490,612	0
1986	15016	NO			TAMCO		$427,649	$480,992	0
1985	15016	NO			TAMCO		$419,264	$471,561	0
1984	15016	NO			TAMCO		$411,043	$462,315	0
1983	15016	NO			TAMCO		$402,983	$453,250	0
1982	15016	NO			TAMCO		$398,993	$448,763	0
1981	0	NO					$391,170	$439,964	0
1979	0	NO					$93,995	$76,500	0

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Improvem Penalty
1978	0	NO					$92,150	$75,000	0
1976	0	NO					$90,350	$0	0

Parcel History

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229491030000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229491010000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021750000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021700000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021720000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021710000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021730000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021740000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021690000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021680000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021900000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE	YES	0229021890000 TRA-RNG

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
	OR MULTIPLE PARCELS		
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021880000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021870000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021860000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021810000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021790000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021800000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021770000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021780000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021760000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031400000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031390000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE	YES	0229021910000 TRA-RNG

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
	OR MULTIPLE PARCELS		
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021970000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031410000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031411000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121100000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121330000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121340000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121350000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121101000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121150000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121160000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121151001 TRA-RNG
12/29/2021	TRANSFER - 100% PER	YES	0229121330000 TOT-TRF

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
	RECORDED DOCUMENT		
12/29/2021	TRANSFER - 100% PER RECORDED DOCUMENT	YES	0229121340000 TOT-TRF
12/29/2021	TRANSFER - 100% PER RECORDED DOCUMENT	YES	0229131190000 TOT-TRF
11/05/2018	TRANSFER - 100% PER SBE LEOP	YES	0229121330000 TOT-LGL
11/05/2018	TRANSFER - 100% PER SBE LEOP	YES	0229131190000 TOT-LGL
10/21/2010	TRANSFER - 100% PER SBE LEOP	YES	0229131190000 TOT-LGL
10/21/2010	TRANSFER - 100% PER SBE LEOP	YES	0229121330000 TOT-LGL
10/21/2010	TRANSFER - 100% PER SBE LEOP	YES	0229121340000 TOT-LGL
12/30/1999	NEW CONST - IN PROGRESS ON LIEN DATE	NO	
09/01/1999	NEW CONST - ADDITION WORKED PER INSPECTION	NO	
09/10/1998	NEW CONST - WORKED IN OLD SYSTEM	NO	
06/30/1997	NEW CONST - WORKED IN OLD SYSTEM	NO	
11/01/1995	NEW CONST - WORKED IN OLD SYSTEM	NO	
12/15/1994	NEW CONST - WORKED IN OLD SYSTEM	NO	
07/01/1992	NEW CONST - WORKED IN OLD SYSTEM	NO	
12/30/1990	NEW CONST - WORKED IN OLD SYSTEM	NO	
01/15/1990	NEW CONST - WORKED IN OLD SYSTEM	NO	
09/01/1988	NEW CONST - WORKED IN OLD SYSTEM	NO	
04/30/1975	INACTIVATE - SPLIT	YES	0229121310000 OLD-SPL

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
04/30/1975	CREATE - SPLIT	YES	0229121330000 NEW-SPL

Owner History

Name	R/I	% Int	Type	Acquisition Date	Document Date	OrigInactive Date	Document Number
BTC III ARROW ROUTE CC LP	PT | PARTNERSHIP	100.0000	B | BILLED OWNER	12/29/2021	12/29/2021	NONE	2021058002
CMC STEEL FABRICATORS INC	NI | NO INTEREST	0.0000	I | INFORMATIONAL OWNER	11/05/2018	11/05/2018	12/28/2021	2018110500
TAMCO	CT | CORPORATION	100.0000	B | BILLED OWNER	11/05/2018	11/05/2018	12/28/2021	2018110500
TAMCO	SO | SOLE OWNER	100.0000	B | BILLED OWNER	10/21/2010	10/21/2010	11/04/2018	2010102100
TAMCO	SO | SOLE OWNER	100.0000	B | BILLED OWNER	04/30/1975	04/30/1975	10/20/2010	0000000000

Supplement History

Suplement Date	Roll Type	Suplement Type	Revised IND	Corrected Date	Correction Code	Supplement Year	Legal Status	TRA
12/29/2021	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2021	Secured	150
12/15/1994	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION		08/17/1995	570D	1994	Secured	150
11/05/2018	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2018	Unsecured	150
11/01/1995	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION				1995	Secured	150
10/21/2010	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2010	Secured	150
09/10/1998	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION		06/04/1999	570E	1998	Secured	150
09/01/1999	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION	Y			1999	Secured	150
09/01/1999	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION		04/17/2001	530D	1999	Secured	150
06/30/1997	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION				1997	Secured	150

Land Characteristics

Effective Date From: 09/01/1999

Effective Date to: Present

Zoning: HI

Lot Width: 0.00

Lot Depth: 0.00

Footage: 1,312,027

Gross Acre: 30.12

Net Acre: 0

Access: 1 | PUBLIC PAVED

Slope Dir: 0 | NONE

Slope Degree: 0 | LEVEL

View Quality: 0 | NONE

View Type: 0 | NONE

Sewer: 1 | PUBLIC

Water: 1 | PUBLIC

Elec.: 1 | UNDERGROUND

Gas: 1 | PUBLIC

Offsite: 1 | FULL (C&G, SIDEWALK, STREET LIGHTS)

Enc/Eas: 0 | NONE

Nuisance1: 9 | RAILROAD

Nuisance2: 0 | NONE

Spc Infl1: 0 | NONE

Spc Infl2: 0 | NONE

Dock Rts: 0 | NONE

Lease Exp:

Other Characteristics

Effective Date From: 11/04/2018

Effective Date to: Present

Sequence: 1

Location: SUMMARY - ESTIMATED

AddressIn1:

AddressIn2:

Use: 0113 | LIGHT INDUSTRIAL

Struc Quality: A

Struc Type: S

Gro Lease: 87,909

Net Lease: 87,909

Const. Year: 1968

Eff Year: 1968

Nbr Units: 4

Adj. SF Units: 0

 # Stories: 0

Story Height: 0

Elevator: 0

Land Scape: -

Func. Obs: 0 | NONE

Adj LB Rate: 0

Lease Exp:

Apt 1 Units: 0

Apt 1 Bdrm: 0

Apt 1 Bath: 0

Apt 2 Units: 0

Apt 2 Bdrm: 0

Apt 2 Bath: 0

Apt 3 Units: 0

Apt 3 Bdrm: 0

Apt 3 Bath: 0

Apt 4 Units: 0

Apt 4 Bdrm: 0

Apt 4 Bath: 0

Apt 5 Units: 0

Apt 5 Bdrm: 0

Apt 5 Bath: 0

Garage: 0

Car Port: 0

Open Spaces: 0

RV Spaces: 0

Laundry: -

Apt Pool: -

Apt Spa: -

Tennis: -

Rec Bldg: -

Security Gate: -

Office Percent: 0

Mezz SQF: 0

Restaurant: -

Hotel Pool: -

Hotel Spa: -

Conf. Room: -

San Bernardino County Assessor-Recorder-Clerk Parcel Information Management System

v2023-08-17

San Bernardino County Assessor - Recorder - County Clerk

Office of Chris Wilhite

Report generated: Friday, September 1, 2023

Parcel Report



Parcel

Parcel: 0229121350000

Parcel Status: A | ACTIVE

Parcel Type: 0 | REAL PROPERTY

Property ID:

Tax Status: 1 | ASSESSED BY COUNTY

Use Code: LT INDUST

Land Access: PUB/PV PUBLIC PAVED

Size: 08 | 14.001 TO 25.000 ACRES

Land Type: 01 | INDUSTRIAL

District: ONTARIO

Resp Group: D | REAL PROPERTY

RespnUnit: IND | INDUSTRIAL ZONE OR USE

Owner

Owner 1: BTC III ARROW ROUTE CC LP

Owner 2: C/O MARVIN F POER AND COMPANY

Joint Owner:

Effective Date: 05/18/2022

Current Owners

Name	R/I	% Int	Type	Acquisition Date	Document Date	Inactive Date	Document Nbrs
BTC III ARROW ROUTE CC LP	PT = PARTNERSHIP	100.0000	B = BILLED OWNER	12/29/2021	12/29/2021	NONE	20210580020

Roll Values History

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Imp Per
2023	15146	NO			BTC III ARROW ROUTE CC LP		$55,773,600	$0	0
2022	15020	YES			BTC III ARROW ROUTE CC LP		$54,680,000	$5,320,000	0
2021	15020	YES			CMC STEEL FABRICATORS INC		$3,411,275	$5,094,134	0
2020	15020	NO			CMC STEEL FABRICATORS INC		$3,376,297	$5,041,900	0
2019	15020	NO			CMC STEEL FABRICATORS INC		$3,310,095	$4,943,039	0
2018	15020	NO			CMC STEEL FABRICATORS INC		$3,245,191	$4,846,117	0
2017	15020	NO			CMC STEEL FABRICATORS INC		$3,181,560	$4,751,095	0
2016	15020	NO			CMC STEEL FABRICATORS INC		$3,119,176	$4,657,936	0
2015	15020	NO			CMC STEEL FABRICATORS INC		$3,072,323	$4,587,969	0
2014	15020	NO			CMC STEEL FABRICATORS INC		$3,012,140	$4,498,097	0
2013	15020	NO			CMC STEEL FABRICATORS INC		$2,998,527	$4,477,768	0
2012	15020	NO			CMC STEEL FABRICATORS INC		$2,939,732	$4,389,969	0
2011	15020	NO			CMC STEEL FABRICATORS INC		$2,882,090	$4,303,891	0
2010	15020	NO			CMC STEEL FABRICATORS INC		$2,860,550	$4,271,725	0
2009	15020	NO			CMC STEEL FABRICATORS INC		$2,867,346	$4,281,873	0
2008	15020	NO			CMC STEEL FABRICATORS INC		$2,811,124	$4,197,915	0
2007	15020	YES			CMC STEEL FABRICATORS INC		$2,756,004	$3,945,059	0
2006	15020	NO			CMC STEEL FABRICATORS INC		$2,701,965	$3,867,705	0
2005	15020	NO			CMC STEEL FABRICATORS		$2,648,985	$3,791,868	0

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Imp Per
					INC				
2004	15020	NO			CMC STEEL FABRICATORS INC		$2,597,044	$3,717,518	0
2003	15020	NO			CMC STEEL FABRICATORS INC		$2,549,446	$3,649,384	0
2002	15020	NO			CMC STEEL FABRICATORS INC		$2,499,457	$3,577,827	0
2001	15020	NO			CMC STEEL FABRICATORS INC		$2,450,448	$3,507,674	0
2000	15020	YES			FONTANA STEEL INC		$2,161,680	$2,053,597	0
1999	15020	NO			FONTANA STEEL INC		$2,161,680	$2,053,597	0
1998	15020	NO			FONTANA STEEL INC		$2,122,416	$2,016,295	0
1997	15020	NO			FONTANA STEEL INC		$2,080,800	$1,976,760	0
1996	15020	NO			FONTANA STEEL INC		$2,040,000	$1,938,000	0
1995	15020	NO	02/06/1996	570	FONTANA STEEL INC		$2,000,000	$1,900,000	0
1994	15020	NO			FONTANA STEEL INC		$2,000,000	$1,900,000	0
1993	15020	NO			FONTANA STEEL INC		$2,000,000	$1,800,000	0
1992	15020	NO			FONTANA STEEL INC		$1,988,651	$4,001,191	0
1991	15020	NO			FONTANA STEEL INC	WARE, PAUL D TR	$1,949,658	$3,922,736	0
1990	15020	NO			FONTANA STEEL INC	WARE, PAUL D TR	$1,911,429	$3,845,820	0
1989	15020	NO			FONTANA STEEL INC	WARE, PAUL D TR	$1,873,950	$0	0
1988	15020	NO			AMERON, INC		$95,415	$0	0
1987	15020	NO			AMERON, INC		$93,544	$0	0
1986	15020	NO			AMERON, INC		$91,710	$0	0
1985	15020	NO			AMERON, INC		$89,912	$0	0
1984	15020	NO			AMERON, INC		$88,149	$0	0

Parcel History

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121340000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121330000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121160000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021680000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021690000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021870000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021890000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021900000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021880000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121151001 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121101000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE	YES	0229121150000 TRA-RNG

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
	OR MULTIPLE PARCELS		
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031410000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031390000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031400000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021970000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021910000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031411000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121100000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021760000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021770000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021790000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021780000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE	YES	0229021860000 TRA-RNG

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
	OR MULTIPLE PARCELS		
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021810000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021800000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229491010000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229491030000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121350000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021700000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021720000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021730000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021710000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021740000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229021750000 TRA-RNG
12/29/2022	REMOVE VALUE - IMPS MOVED OFF	NO	

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
	OR DEMOLISHED		
12/29/2021	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
03/14/2007	NEW CONST - ADDITION WORKED PER INSPECTION	NO	
05/04/2000	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
12/31/1999	REVIEW - PROP 8 INITIATED BY ASSESSOR	NO	
03/01/1994	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229121350000 TRA-RNG
03/01/1994	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	022912135P000 TRA-RNG
03/01/1994	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	022912135P001 TRA-RNG
03/01/1994	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	022912135L000 TRA-RNG
03/01/1994	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	022912135L001 TRA-RNG
03/01/1994	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	022912135L002 TRA-RNG
05/01/1992	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	NO	
09/11/1989	NEW CONST - WORKED IN OLD SYSTEM	NO	
12/19/1988	TRANSFER - WORKED IN OLD SYSTEM	NO	

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
	(100% OR PARTIAL)		
08/30/1988	TRANSFER - WORKED IN OLD SYSTEM (100% OR PARTIAL)	NO	
03/02/1983	CREATE - SUBDIVISION	YES	0229121350000 NEW-SUB

Owner History

Name	R/I	% Int	Type	Acquisition Date	Document Date	OrigInactive Date	Document Number
BTC III ARROW ROUTE CC LP	PT | PARTNERSHIP	100.0000	B | BILLED OWNER	12/29/2021	12/29/2021	NONE	20210580020
CMC STEEL FABRICATORS INC	CT | CORPORATION	100.0000	B | BILLED OWNER	05/04/2000	05/04/2000	12/28/2021	20000154765
FONTANA, STEEL INC	CT | CORPORATION	27.5350	O | OTHER OWNER	NONE	05/01/1992	05/03/2000	9218643400000
WARE, PAUL D TR	TC | TENANCY IN COMMON	27.5350	J | JOINT MAIL OWNER	NONE	12/19/1988	04/30/1992	8844208800000
FONTANA STEEL INC	TC | TENANCY IN COMMON	72.4650	B | BILLED OWNER	NONE	12/19/1988	05/03/2000	8844208800000
KAISER FOUNDATION HOSPITALS	CT | CORPORATION	100.0000	B | BILLED OWNER	NONE	08/30/1988	12/18/1988	8828864100000
AMERON, INC	CT | CORPORATION	100.0000	B | BILLED OWNER	NONE	03/01/1983	08/29/1988	8400000000000

Supplement History

Suplement Date	Roll Type	Suplement Type	Revised IND	Corrected Date	Correction Code	Supplement Year	Legal Status	TRA
12/29/2022	REG | REGULAR SUPPLEMENT	REM | IMPROVEMENT REMOVED				2022	Secured	15016
12/29/2021	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2021	Secured	15020
05/04/2000	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2000	Secured	15020
05/04/2000	INT | INTERIM SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2000	Secured	15020
03/14/2007	INT | INTERIM SUPPLEMENT	CON | CONSTRUCTION COMPLETION				2007	Secured	15020
03/14/2007	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION				2007	Secured	15020

Land Characteristics

Effective Date From: 03/14/2007

Effective Date to: Present

Zoning:

Lot Width: 0.00

Lot Depth: 0.00

Footage: 667,339

Gross Acre: 15.32

Net Acre: 0

Access: 1 | PUBLIC PAVED

Slope Dir: 0 | NONE

Slope Degree: 0 | LEVEL

View Quality: 0 | NONE

View Type: 0 | NONE

Sewer: 1 | PUBLIC

Water: 1 | PUBLIC

Elec.: 2 | OVERHEAD

Gas: 1 | PUBLIC

Offsite: 9 | CHECK

Enc/Eas: 0 | NONE

Nuisance1: 0 | NONE

Nuisance2: 0 | NONE

Spc Infl1: 0 | NONE

Spc Infl2: 0 | NONE

Dock Rts: 0 | NONE

Lease Exp:

Other Characteristics

Effective Date From: 03/14/2007

Effective Date to: Present

Sequence: 1

Location:

AddressIn1:

AddressIn2:

Use: 0113 | LIGHT INDUSTRIAL

Struc Quality: A

Struc Type: S

Gro Lease: 70,348

Net Lease: 70,348

Const. Year: 1990

Eff Year: 1990

Nbr Units: 1

Adj. SF Units: 0

 # Stories: 1

Story Height: 0

Elevator: 0

Land Scape: 9 | CHECK

Func. Obs: 0 | NONE

Adj LB Rate: 0

Lease Exp:

Apt 1 Units: 0

Apt 1 Bdrm: 0

Apt 1 Bath: 0

Apt 2 Units: 0

Apt 2 Bdrm: 0

Apt 2 Bath: 0

Apt 3 Units: 0

Apt 3 Bdrm: 0

Apt 3 Bath: 0

Apt 4 Units: 0

Apt 4 Bdrm: 0

Apt 4 Bath: 0

Apt 5 Units: 0

Apt 5 Bdrm: 0

Apt 5 Bath: 0

Garage: 0

Car Port: 0

Open Spaces: 0

RV Spaces: 0

Laundry: -

Apt Pool: -

Apt Spa: -

Tennis: -

Rec Bldg: -

Security Gate: -

Office Percent: 0

Mezz SQF: 0

Restaurant: -

Hotel Pool: -

Hotel Spa: -

Conf. Room: -

Effective Date From: 03/14/2007

Effective Date to: Present

Sequence: 2

Location:

AddressIn1: 12451 ARROW RT

AddressIn2: RANCHO CUCAMONGA CA 91739

Use: 0210 | GENERAL OFFICE

Struc Quality: A

Struc Type: S

Gro Lease: 14,030

Net Lease: 14,030

Const. Year: 1990

Eff Year: 1990

Nbr Units: 100

Adj. SF Units: 0

 # Stories: 1

Story Height: 0

Elevator: 0

Land Scape: 9 | CHECK

Func. Obs: 0 | NONE

Adj LB Rate: 0

Lease Exp:

Apt 1 Units: 0

Apt 1 Bdrm: 0

Apt 1 Bath: 0

Apt 2 Units: 0

Apt 2 Bdrm: 0

Apt 2 Bath: 0

Apt 3 Units: 0

Apt 3 Bdrm: 0

Apt 3 Bath: 0

Apt 4 Units: 0

Apt 4 Bdrm: 0

Apt 4 Bath: 0

Apt 5 Units: 0

Apt 5 Bdrm: 0

Apt 5 Bath: 0

Garage: 0

Car Port: 0

Open Spaces: 0

RV Spaces: 0

Laundry: -

Apt Pool: -

Apt Spa: -

Tennis: -

Rec Bldg: -

Security Gate: -

Office Percent: 0

Mezz SQF: 0

Restaurant: -

Hotel Pool: -

Hotel Spa: -

Conf. Room: -

San Bernardino County Assessor-Recorder-Clerk Parcel Information Management System

v2023-08-17

San Bernardino County Assessor - Recorder - County Clerk

Office of Chris Wilhite

Report generated: Friday, September 1, 2023

Parcel Report



Parcel

Parcel: 0229131190000

Parcel Status: A | ACTIVE

Parcel Type: 0 | REAL PROPERTY

Property ID:

Tax Status: 1 | ASSESSED BY COUNTY

Use Code: HVY INDUST

Land Access: PUB/PV PUBLIC PAVED

Size: 09 | 25.001 ACRES AND OVER

Land Type: 01 | INDUSTRIAL

District: ONTARIO

Resp Group: D | REAL PROPERTY

RespnUnit: IND | INDUSTRIAL ZONE OR USE

Owner

Owner 1: BTC III ARROW ROUTE CC LP

Owner 2: C/O MARVIN F POER AND COMPANY

Joint Owner:

Effective Date: 05/18/2022

Current Owners

Name	R/I	% Int	Type	Acquisition Date	Document Date	Inactive Date	Document Nbrs
BTC III ARROW ROUTE CC LP	PT = PARTNERSHIP	100.0000	B = BILLED OWNER	12/29/2021	12/29/2021	NONE	20210580021

Legal Parcel Map

Legal Map #	Legal Parcel #	Legal Block	Unit	Legal Book #	Page
7847	3				

Roll Values History

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Improvel Penalty
2023	15158	NO			BTC III ARROW ROUTE CC LP		$98,307,600	$1,713,600	0
2022	15080	NO			BTC III ARROW ROUTE CC LP		$96,380,000	$1,680,000	0
2021	15080	YES	02/24/2022	570I	TAMCO		$27,557,367	$1,396,418	0
2020	15080	NO	02/24/2022	570I	TAMCO		$27,274,800	$1,382,100	0
2019	15080	NO	02/24/2022	570I	TAMCO		$26,740,000	$1,355,000	0
2018	15080	YES			TAMCO		$16,582,411	$1,816,035	0
2017	15080	NO			TAMCO		$16,257,266	$1,780,426	0
2016	15080	NO			TAMCO		$15,938,496	$1,745,516	0
2015	15080	NO			TAMCO		$15,699,085	$1,719,297	0
2014	15080	NO			TAMCO		$15,391,562	$1,685,618	0
2013	15080	YES	10/29/2013	570I	AMERON INC		$9,049,399	$2,766,424	0
2012	15080	NO	10/29/2013	570I	AMERON INC		$8,871,960	$2,712,180	0
2011	15080	NO	10/29/2013	570I	AMERON INC		$8,698,000	$2,659,000	0
2010	15080	YES			AMERON, INC		$303,080	$2,769,299	0
2009	15080	NO			AMERON, INC		$303,800	$2,775,878	0
2008	15080	NO			AMERON, INC		$297,843	$2,721,449	0
2007	15080	NO			AMERON, INC		$292,003	$2,668,087	0
2006	15080	NO			AMERON, INC		$286,277	$2,615,772	0
2005	15080	NO			AMERON, INC		$280,664	$2,564,482	0
2004	15080	NO			AMERON, INC		$275,161	$2,514,198	0
2003	15080	NO			AMERON, INC		$270,118	$2,468,118	0
2002	15080	NO			AMERON, INC		$264,822	$2,419,724	0
2001	15080	NO			AMERON, INC		$259,629	$2,372,278	0
2000	15080	NO			AMERON, INC		$254,538	$2,325,763	0
1999	15080	YES			AMERON, INC		$249,547	$2,267,418	0
1998	15080	YES			AMERON, INC		$245,015	$2,207,389	0
1997	15080	YES			AMERON, INC		$240,211	$2,147,447	0
1996	15080	YES			AMERON, INC		$235,501	$1,944,152	0
1995	15080	NO			AMERON, INC		$232,916	$1,922,809	0

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Improvel Penalty
1994	15080	NO			AMERON, INC		$230,176	$1,900,197	0
1993	15080	NO			AMERON, INC		$225,663	$1,862,938	0
1992	15080	NO			AMERON, INC		$221,238	$1,826,410	0
1991	15080	NO			AMERON, INC		$216,900	$1,790,598	0
1990	15080	NO			AMERON, INC		$212,647	$1,755,488	0
1989	15080	NO			AMERON, INC		$208,477	$1,721,067	0
1988	15080	NO			AMERON, INC		$204,389	$1,687,321	0
1987	15080	NO			AMERON, INC		$200,381	$1,654,236	0
1986	15080	NO			AMERON, INC		$196,452	$1,621,800	0
1985	15020	NO			AMERON, INC		$192,600	$1,590,000	0
1984	15020	NO			AMERON, INC		$188,863	$0	0

Parcel History

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229491020000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229491040000 TRA-RNG
01/01/2023	TRA EVENT - ADD TRA	NO	
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031380000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031480000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229131190000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229131240000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229031230000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229283960000 TRA-RNG
12/29/2021	TRANSFER - 100% PER RECORDED DOCUMENT	YES	0229121330000 TOT-TRF
12/29/2021	TRANSFER - 100% PER RECORDED DOCUMENT	YES	0229121340000 TOT-TRF
12/29/2021	TRANSFER - 100% PER RECORDED DOCUMENT	YES	0229131190000 TOT-TRF
11/05/2018	TRANSFER - 100% PER SBE LEOP	YES	0229121330000 TOT-LGL
11/05/2018	TRANSFER - 100% PER	YES	0229131190000 TOT-LGL

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
	SBE LEOP		
04/30/2013	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
10/21/2010	TRANSFER - 100% PER SBE LEOP	YES	0229121330000 TOT-LGL
10/21/2010	TRANSFER - 100% PER SBE LEOP	YES	0229121340000 TOT-LGL
10/21/2010	TRANSFER - 100% PER SBE LEOP	YES	0229131190000 TOT-LGL
12/31/1999	REVIEW - PROP 8 INITIATED BY ASSESSOR	NO	
08/31/1999	NEW CONST - ADDITION WORKED PER INSPECTION	NO	
09/10/1998	NEW CONST - WORKED IN OLD SYSTEM	NO	
02/28/1997	NEW CONST - WORKED IN OLD SYSTEM	NO	
10/30/1996	NEW CONST - WORKED IN OLD SYSTEM	NO	
03/02/1983	CREATE - SUBDIVISION	YES	0229131180000 NEW-SUB
03/02/1983	CREATE - SUBDIVISION	YES	0229131190000 NEW-SUB

Owner History

Name	R/I	% Int	Type	Acquisition Date	Document Date	OrigInactive Date	Document Number
BTC III ARROW ROUTE CC LP	PT | PARTNERSHIP	100.0000	B | BILLED OWNER	12/29/2021	12/29/2021	NONE	2021058002
CMC STEEL FABRICATORS INC	NI | NO INTEREST	0.0000	I | INFORMATIONAL OWNER	11/05/2018	11/05/2018	12/28/2021	2018110500
TAMCO	CT | CORPORATION	100.0000	B | BILLED OWNER	11/05/2018	11/05/2018	12/28/2021	2018110500
AMERON INC	CT | CORPORATION	100.0000	B | BILLED OWNER	10/21/2010	10/21/2010	04/29/2013	2010102100
TAMCO	CT | CORPORATION	100.0000	B | BILLED OWNER	04/30/2013	04/30/2013	11/04/2018	2013018158
AMERON, INC	CT | CORPORATION	100.0000	B | BILLED OWNER	NONE	03/01/1983	10/20/2010	8400000000

Supplement History

Suplement Date	Roll Type	Suplement Type	Revised IND	Corrected Date	Correction Code	Supplement Year	Legal Status	TRA
12/29/2021	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2021	Secured	150
11/05/2018	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2018	Unsecured	150
10/30/1996	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION				1996	Secured	150
10/21/2010	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2010	Unsecured	150
09/10/1998	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION		06/04/1999	570E	1998	Secured	150
08/31/1999	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION				1999	Secured	150
04/30/2013	INT | INTERIM SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2013	Secured	150
04/30/2013	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				2013	Secured	150
02/28/1997	INT | INTERIM SUPPLEMENT	CON | CONSTRUCTION COMPLETION				1997	Secured	150
02/28/1997	REG | REGULAR SUPPLEMENT	CON | CONSTRUCTION COMPLETION				1997	Secured	150

Land Characteristics

Effective Date From: 08/31/1999

Effective Date to: Present

Zoning: HI

Lot Width: 0.00

Lot Depth: 0.00

Footage: 1,338,163

Gross Acre: 30.72

Net Acre: 0

Access: 1 | PUBLIC PAVED

Slope Dir: 0 | NONE

Slope Degree: 0 | LEVEL

View Quality: 0 | NONE

View Type: 0 | NONE

Sewer: 1 | PUBLIC

Water: 1 | PUBLIC

Elec.: 2 | OVERHEAD

Gas: 1 | PUBLIC

Offsite: 1 | FULL (C&G, SIDEWALK, STREET LIGHTS)

Enc/Eas: 0 | NONE

Nuisance1: 9 | RAILROAD

Nuisance2: 0 | NONE

Spc Infl1: 0 | NONE

Spc Infl2: 0 | NONE

Dock Rts: 0 | NONE

Lease Exp:

Other Characteristics

Effective Date From: 03/02/1983

Effective Date to: Present

Sequence: 1

Location: OFFICE BLDG

AddressIn1:

AddressIn2:

Use: 0210 | GENERAL OFFICE

Struc Quality: A

Struc Type: C

Gro Lease: 12,741

Net Lease: 12,741

Const. Year: 1968

Eff Year: 1968

Nbr Units: 1

Adj. SF Units: 0

 # Stories: 1

Story Height: 10

Elevator: 0

Land Scape: -

Func. Obs: 0 | NONE

Adj LB Rate: 0

Lease Exp:

Apt 1 Units: 0

Apt 1 Bdrm: 0

Apt 1 Bath: 0

Apt 2 Units: 0

Apt 2 Bdrm: 0

Apt 2 Bath: 0

Apt 3 Units: 0

Apt 3 Bdrm: 0

Apt 3 Bath: 0

Apt 4 Units: 0

Apt 4 Bdrm: 0

Apt 4 Bath: 0

Apt 5 Units: 0

Apt 5 Bdrm: 0

Apt 5 Bath: 0

Garage: 0

Car Port: 0

Open Spaces: 0

RV Spaces: 0

Laundry: -

Apt Pool: -

Apt Spa: -

Tennis: -

Rec Bldg: -

Security Gate: -

Office Percent: 0

Mezz SQF: 0

Restaurant: -

Hotel Pool: -

Hotel Spa: -

Conf. Room: -

Effective Date From: 03/02/1983

Effective Date to: Present

Sequence: 2

Location: ROLLING MILL

AddressIn1:

AddressIn2:

Use: 0114 | HEAVY INDUSTRIAL

Struc Quality: A

Struc Type: S

Gro Lease: 74,130

Net Lease: 74,130

Const. Year: 1968

Eff Year: 1968

Nbr Units: 1

Adj. SF Units: 0

 # Stories: 0

Story Height: 30

Elevator: 0

Land Scape: -

Func. Obs: 0 | NONE

Adj LB Rate: 0

Lease Exp:

Apt 1 Units: 0

Apt 1 Bdrm: 0

Apt 1 Bath: 0

Apt 2 Units: 0

Apt 2 Bdrm: 0

Apt 2 Bath: 0

Apt 3 Units: 0

Apt 3 Bdrm: 0

Apt 3 Bath: 0

Apt 4 Units: 0

Apt 4 Bdrm: 0

Apt 4 Bath: 0

Apt 5 Units: 0

Apt 5 Bdrm: 0

Apt 5 Bath: 0

Garage: 0

Car Port: 0

Open Spaces: 0

RV Spaces: 0

Laundry: -

Apt Pool: -

Apt Spa: -

Tennis: -

Rec Bldg: -

Security Gate: -

Office Percent: 0

Mezz SQF: 0

Restaurant: -

Hotel Pool: -

Hotel Spa: -

Conf. Room: -

Effective Date From: 03/02/1983

Effective Date to: Present

Sequence: 3

Location: MAINTENANCE SHOP

AddressIn1:

AddressIn2:

Use: 0114 | HEAVY INDUSTRIAL

Struc Quality: A

Struc Type: S

Gro Lease: 14,510

Net Lease: 14,510

Const. Year: 1968

Eff Year: 1968

Nbr Units: 1

Adj. SF Units: 0

 # Stories: 1

Story Height: 20

Elevator: 0

Land Scape: -

Func. Obs: 0 | NONE

Adj LB Rate: 0

Lease Exp:

Apt 1 Units: 0

Apt 1 Bdrm: 0

Apt 1 Bath: 0

Apt 2 Units: 0

Apt 2 Bdrm: 0

Apt 2 Bath: 0

Apt 3 Units: 0

Apt 3 Bdrm: 0

Apt 3 Bath: 0

Apt 4 Units: 0

Apt 4 Bdrm: 0

Apt 4 Bath: 0

Apt 5 Units: 0

Apt 5 Bdrm: 0

Apt 5 Bath: 0

Garage: 0

Car Port: 0

Open Spaces: 0

RV Spaces: 0

Laundry: -

Apt Pool: -

Apt Spa: -

Tennis: -

Rec Bldg: -

Security Gate: -

Office Percent: 0

Mezz SQF: 0

Restaurant: -

Hotel Pool: -

Hotel Spa: -

Conf. Room: -

Effective Date From: 03/02/1983

Effective Date to: Present

Sequence: 4

Location: ELECTRICAL SHOP

AddressIn1:

AddressIn2:

Use: 0114 | HEAVY INDUSTRIAL

Struc Quality: A

Struc Type: S

Gro Lease: 2,580

Net Lease: 2,580

Const. Year: 1968

Eff Year: 1968

Nbr Units: 1

Adj. SF Units: 0

 # Stories: 1

Story Height: 10

Elevator: 0

Land Scape: -

Func. Obs: 0 | NONE

Adj LB Rate: 0

Lease Exp:

Apt 1 Units: 0

Apt 1 Bdrm: 0

Apt 1 Bath: 0

Apt 2 Units: 0

Apt 2 Bdrm: 0

Apt 2 Bath: 0

Apt 3 Units: 0

Apt 3 Bdrm: 0

Apt 3 Bath: 0

Apt 4 Units: 0

Apt 4 Bdrm: 0

Apt 4 Bath: 0

Apt 5 Units: 0

Apt 5 Bdrm: 0

Apt 5 Bath: 0

Garage: 0

Car Port: 0

Open Spaces: 0

RV Spaces: 0

Laundry: -

Apt Pool: -

Apt Spa: -

Tennis: -

Rec Bldg: -

Security Gate: -

Office Percent: 0

Mezz SQF: 0

Restaurant: -

Hotel Pool: -

Hotel Spa: -

Conf. Room: -

Effective Date From: 03/02/1983

Effective Date to: Present

Sequence: 5

Location: LUNCH ROOM

AddressIn1:

AddressIn2:

Use: 0888 | OTHER COMBINATIONS OF USES

Struc Quality: A

Struc Type: C

Gro Lease: 576

Net Lease: 576

Const. Year: 1968

Eff Year: 1968

Nbr Units: 1

Adj. SF Units: 0

 # Stories: 1

Story Height: 8

Elevator: 0

Land Scape: -

Func. Obs: 0 | NONE

Adj LB Rate: 0

Lease Exp:

Apt 1 Units: 0

Apt 1 Bdrm: 0

Apt 1 Bath: 0

Apt 2 Units: 0

Apt 2 Bdrm: 0

Apt 2 Bath: 0

Apt 3 Units: 0

Apt 3 Bdrm: 0

Apt 3 Bath: 0

Apt 4 Units: 0

Apt 4 Bdrm: 0

Apt 4 Bath: 0

Apt 5 Units: 0

Apt 5 Bdrm: 0

Apt 5 Bath: 0

Garage: 0

Car Port: 0

Open Spaces: 0

RV Spaces: 0

Laundry: -

Apt Pool: -

Apt Spa: -

Tennis: -

Rec Bldg: -

Security Gate: -

Office Percent: 0

Mezz SQF: 0

Restaurant: -

Hotel Pool: -

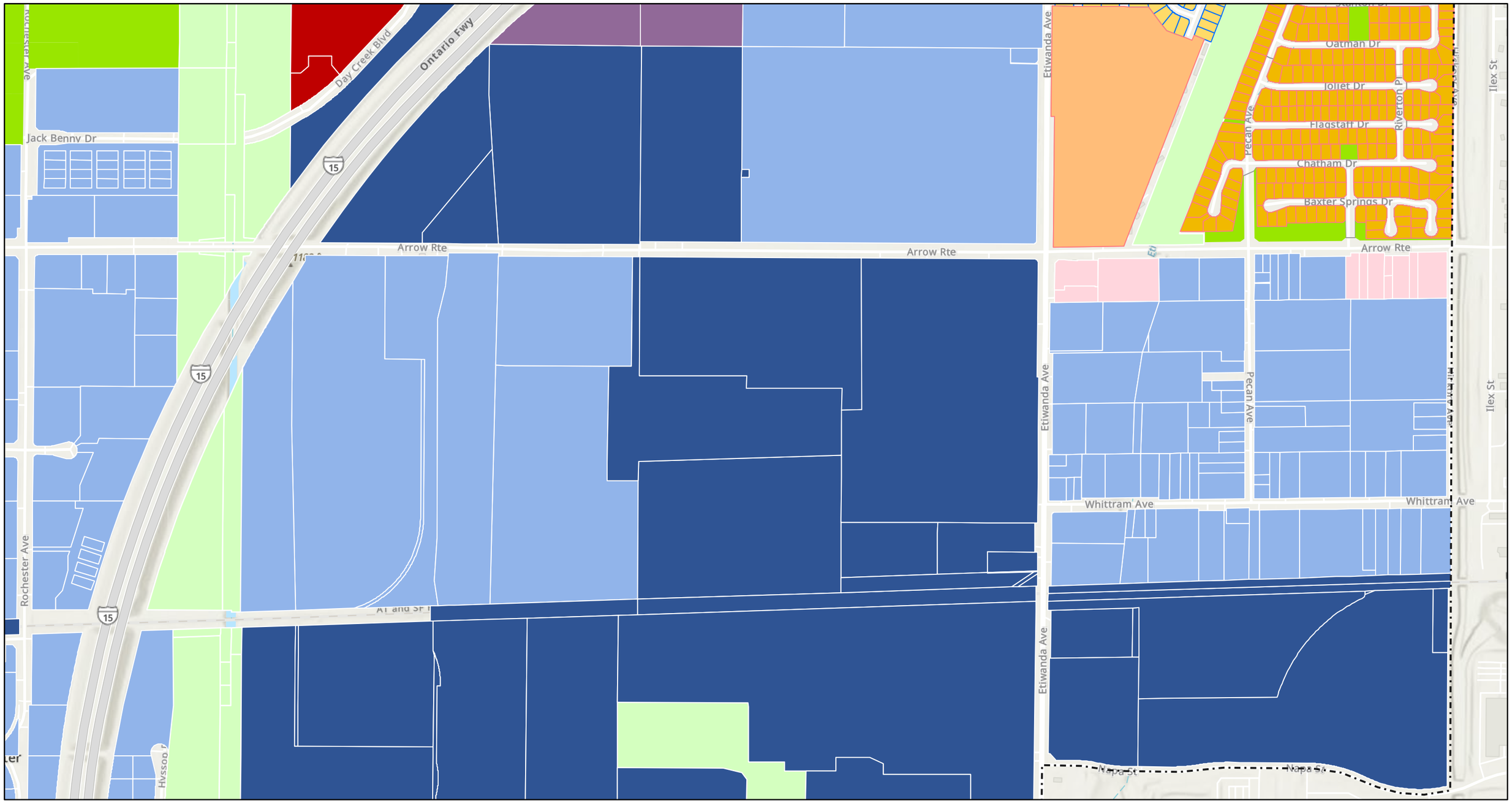
Hotel Spa: -

Conf. Room: -

San Bernardino County Assessor-Recorder-Clerk Parcel Information Management System

v2023-08-17

General Plan Map



9/29/2023, 3:37:24 PM

1:9,028

0 0.07 0.15 0.3 mi

0 0.15 0.3 0.6 km

City Boundary Sphere Of influence Outline

Zoning

- P Parks
- FC/UC Flood Control/Utility Corridor
- NI Neo Industrial
- IE Industrial Employment
- CO2 Corridor 2 Zone
- NG3-L Neighborhood General 3 - Limited
- CE2 Center 2 Zone
- L-ESP Low Residential - Etiwanda Specific Plan
- LM-ESP South Low Medium Residential - Etiwanda Specific Plan South
- M-ESP South Medium Residential - Etiwanda Specific Plan South

Form Based Zones

- CO2 Corridor 2 Zone

Subzones

- NG3-L Neighborhood General 3 - Limited
- CE2 Center 2 Zone
- L-ESP Low Residential - Etiwanda Specific Plan
- LM-ESP South Low Medium Residential - Etiwanda Specific Plan South
- M-ESP South Medium Residential - Etiwanda Specific Plan South

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Pipeline and Hazardous Materials Safety Administration

NATIONAL PIPELINE MAPPING SYSTEM



Legend

- Accidents (Liquid)
- Incidents (Gas)
- Gas Transmission Pipelines
- Hazardous Liquid Pipelines
- LNG Plants
- Breakout Tanks

500 m
1000 ft

Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

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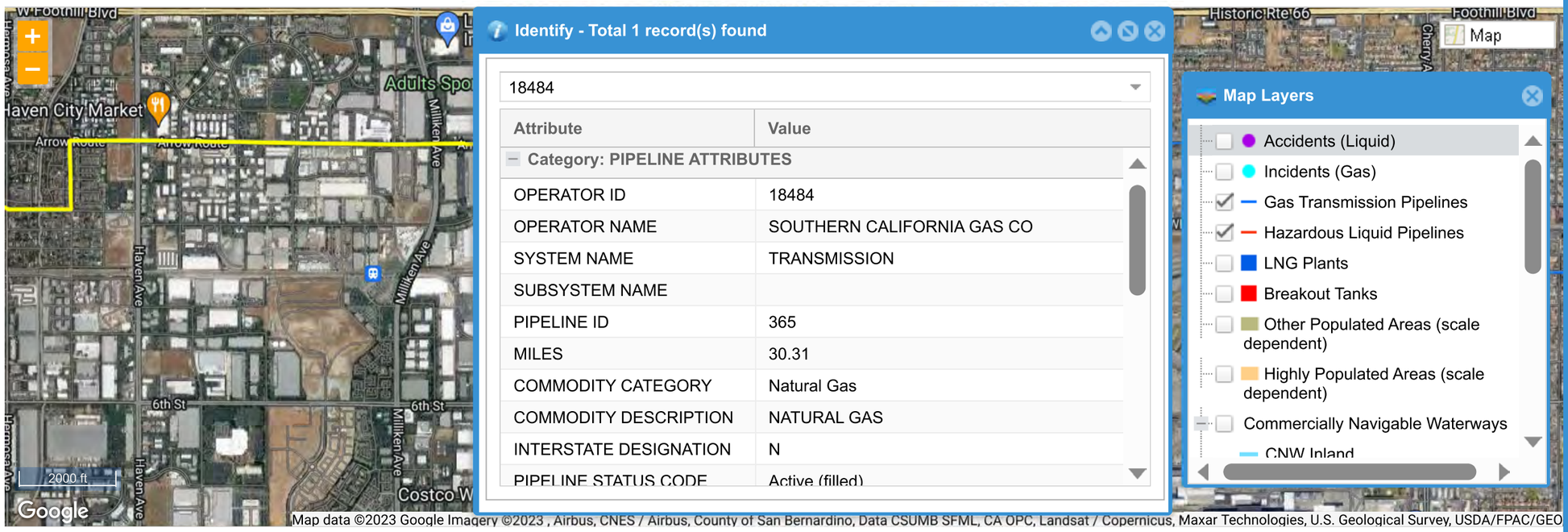
Date Printed: Sep 12, 2023

811 Know what's below. Call before you dig.

Public Viewer

Change County | Close Public Viewer

Map Layers | Query Tools | 12451 Arrow Route, Rancho Cuc | Help



Identify - Total 1 record(s) found

18484

Attribute	Value
Category: PIPELINE ATTRIBUTES	
OPERATOR ID	18484
OPERATOR NAME	SOUTHERN CALIFORNIA GAS CO
SYSTEM NAME	TRANSMISSION
SUBSYSTEM NAME	
PIPELINE ID	365
MILES	30.31
COMMODITY CATEGORY	Natural Gas
COMMODITY DESCRIPTION	NATURAL GAS
INTERSTATE DESIGNATION	N
PIPELINE STATUS CODE	Active (filled)

Map Layers

- [ ] Accidents (Liquid)
- [ ] Incidents (Gas)
- [x] Gas Transmission Pipelines
- [x] Hazardous Liquid Pipelines
- [ ] LNG Plants
- [ ] Breakout Tanks
- [ ] Other Populated Areas (scale dependent)
- [ ] Highly Populated Areas (scale dependent)
- [ ] Commercially Navigable Waterways
  - CNW Inland

Map data ©2023 Google Imagery ©2023 , Airbus, CNES / Airbus, County of San Bernardino, Data CSUMB SFML, CA OPC, Landsat / Copernicus, Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO

Ready | Zoom Level: 14 of 19 (1:24,000) Closest Zoom for Pipelines | (lat,long): 34.096626, -117.505404 | Map Showing Pipelines in: San Bernardino, C

©USDOT PHMSA. All rights reserved

Well Finder CalGEM GIS Powered by WellSTAR

12451 Arrow Route, Rancho

Show search results for 12451 A...



Maxar | CalGEM GIS Unit | Geologic Energy Management Division, California Department ...

600ft

34.095791 -117.533729 Degrees

Well Finder

CalGEM GIS Powered by WellSTAR

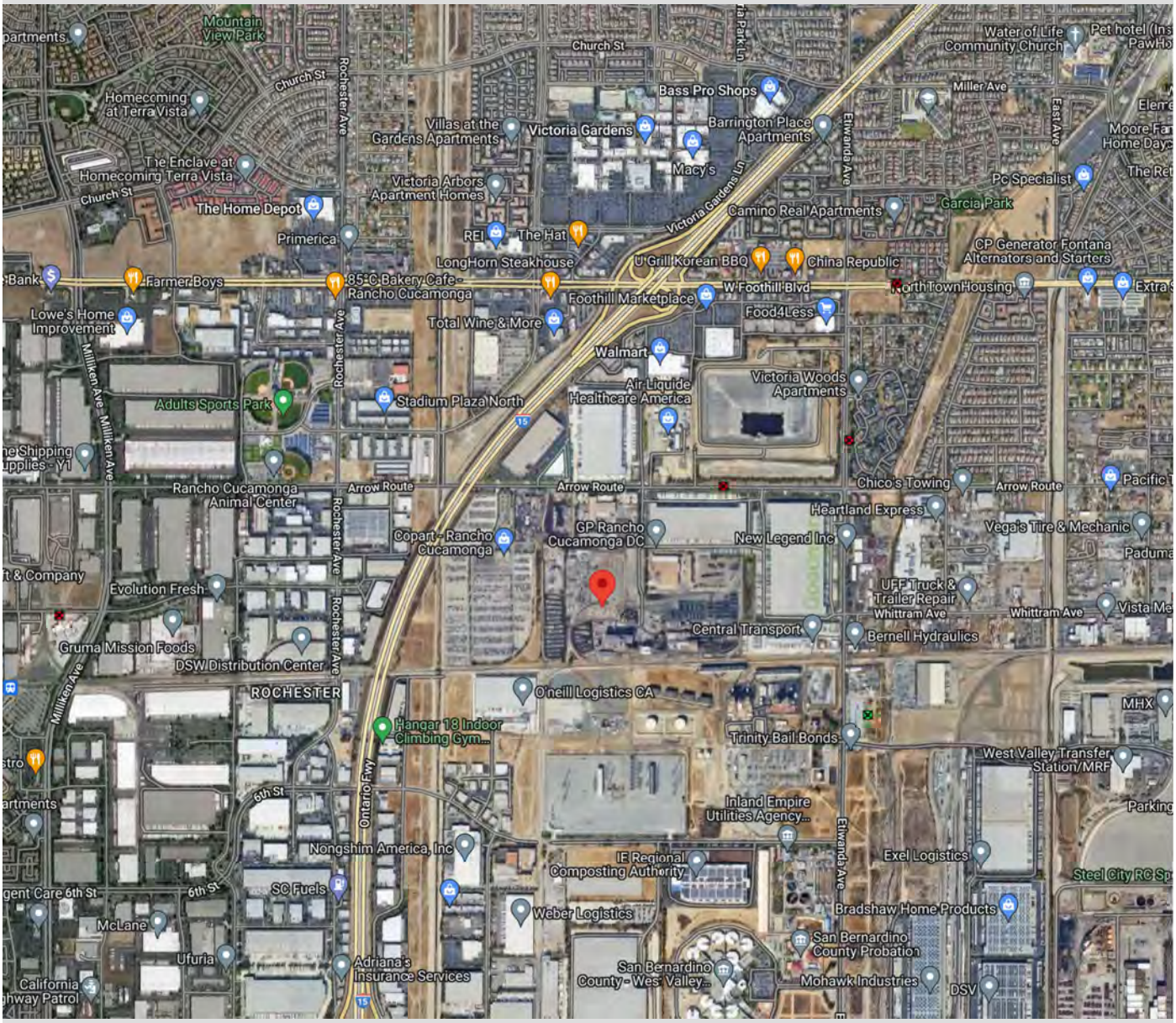
Search Map Layers

Millenium Ct
Sears
Ontario
Day Creek Blvd
Victory Dr
Stadium Pkwy
Jack Benny Dr
Catch Basin
Chestnut Ave
Cornwall Ave
Winslow Dr
Stanton Dr
Oatman Dr
Joliet Dr
Flagstaff Dr
Chatham Dr
Baxter Springs Dr
East Etiwanda Creek
Ivy Ave
Owen St
Ilex St
Cottonwood Ave
Arrow Rte
7
8
9
15
Ontario Fwy
T01S R06W
Pecan Ave
Hickory Ave
Whittram Ave
Cucamonga
Boston Pl
Jersey Blvd
Rochester Ave
AT and SF Railroad
8th St
Etiwanda Ave
Napa St
16
17
18
Rochester
Dayton Dr
6th St
Ochester Ct
Charles
Dr

CalGEM GIS Unit | Geologic Energy Management Division, California Department of Cons…

0.3mi

34.095693 -117.531300 Degrees



LEGEND - CHOOSE MORE SITES

- LUST Cleanup Sites - REMOVE
- Cleanup Program Sites - REMOVE
- Military Cleanup Sites - REMOVE
- Military Privatized Sites - REMOVE
- Military UST Sites - REMOVE

Signifies a Closed Site

ACTIVE MAP COVERAGES:

- Military Bases - REMOVE

LIST SITES VISIBLE ON MAP

Map data ©2023 Google Imagery ©2023 , Airbus, CNES / Airbus, County of San Bernardino, Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO 200 m

Sites Shown on Map: 7 Total Sites | 0 Open Sites | 7 Closed Sites | 1 Sites w/Water Quality Data

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

CASE SUMMARY

REPORT DATE
11/19/1993

HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?

I. REPORTED BY -
UNKNOWN

CREATED BY
UNKNOWN

III. SITE LOCATION

FACILITY NAME
TAMCO

FACILITY ID

FACILITY ADDRESS
12459 ARROW HWY
RANCHO CUCAMONGA, CA 91739
SAN BERNARDINO COUNTY

ORIENTATION OF SITE TO STREET

CROSS STREET

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN
GASOLINE

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGAN

DATE DISCOVERED
11/4/1993

HOW DISCOVERED
Tank Closure

DESCRIPTION

DATE STOPPED
11/4/1993

STOP METHOD

DESCRIPTION

VII. SOURCE/CAUSE

SOURCE OF DISCHARGE
Other

CAUSE OF DISCHARGE
Unknown

DISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE
Soil

IX. REMEDIAL ACTION
NO REMEDIAL ACTIONS ENTERED

X. GENERAL COMMENTS

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER
93063

REGIONAL BOARD CASE NUMBER
083602379T

LOCAL AGENCY

UNKNOWN

REGIONAL BOARD

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
MAILE SEEGER GEE	MG	SANTA ANA RWQCB (REGION 8)	maile.gee@waterboards.ca.gov

ADDRESS

3737 MAIN STREET, SUITE 500
RIVERSIDE, CA 92501-3339

CONTACT DESCRIPTION

PHONE TYPE	PHONE NUMBER	EXTENSION
PHONE	(951)-782-4379	

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ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

☑ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200

PAMELLA BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

SAN BERNARDINO

February 28, 1994

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
2010 IOWA AVE., SUITE 100
RIVERSIDE, CALIFORNIA 92507-2409

ATTENTION: KENNETH R. WILLIAMS, EXECUTIVE OFFICER

SUBJECT: LOCAL OVERSIGHT PROGRAM CASE CLOSURE SUMMARY(S)

Pursuant to requirements of the department's Local Oversight Program contract with the State Water Board, Please find enclosed the "Case Closure Summary(s)" for the following site(s) within your jurisdiction:

TAMCO
12459 Arrow Hwy.
Rancho Cucamonga, CA

As you are aware, conditions of the contract require a 30 day review period in which your agency may reject the recommended closure or request additional time. Therefore, without objection, the department will issue the standardized "Remedial Action Completion Certification" 35 days after the date of this correspondence.

If you have any questions, please call me at (909) 387-3041.

Ronald A Ripley

RONALD A. RIPLEY, R.E.H.S.
SUPERVISING ENVIRONMENTAL HEALTH SPECIALIST
HAZARDOUS MATERIALS MANAGEMENT
SITE REMEDIATION/LOCAL OVERSIGHT PROGRAM

RR:raa

Board of Supervisors
MARSHALL TARGER ..... First District
JON D. MIKELS ..... Second District
JERRY EAVES ..... Fifth District
BARBARA CRAIG HOPSON
LARRY WALKER

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

I. Agency Information

Date: FEB 28 1994

Agency name: Environmental Health Services	Address: 385 N. Arrowhead Ave., 2nd Floor
City/State/ZIP: San Bernardino, CA 92415-0160	Phone: (909) 387-3041
Responsible staff person: Lisa Holst	Title: Env. Health Spec II

II. Case Information

Site facility name: TAMCO		
Site facility address: 12459 Arrow Hwy., Rancho Cucamonga		
RB LUSTIS Case No: 083602379T	Local Case No.:	LOP Case No.: 93063
URF filing date: 11-22-93	SWEEPS No: 36-000-008874-000001, 2, 3, 4	
Responsible Parties	Addresses	Phone Numbers
TAMCO	12459 Arrow Hwy., R. Cuca	(909) 899-0660

Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1	50 K	Diesel	Removed	11-4-93
2	50 K	Diesel	Removed	11-4-93
3 & 4	50 K/50 K	Diesel	Removed	11-4-93

III. Release and Site Characterization Information

Cause and type of release: Piping leak at turbine		
Site characterization complete? (Yes) No	Date approved by oversight agency: 12-3-93	
Monitoring Wells Installed? Yes (No)	Number:	Proper screened interval? Yes No
Highest GW depth below ground surface: 100	Lowest Depth: 200	Flow direction:
Most Sensitive Current Use:		
Are drinking water wells affected? Yes (No)	Aquifer Name: N/A	
Is surface water affected? Yes (No)	Nearest/affected SW name:	
Off-site beneficial use impacts (addresses/locations):		
Report(s) on file? (Yes) No	Where is report filed? San Bernardino Co. DEHS	

Treatment and Disposal of Affected Material

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	4 - 50 K	Decontaminated & sectioned at Erickson,	11-04-93
Piping	100 ft.	sent back to TAMCO as scrap to be processed	
Free Product		into rebar.	
Soil	633 cubic yards	Gibson Oil & Refining Facility, Bakersfield	10-21-93
Groundwater			12-08-93
Barrels			

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations---Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)					Xylene				
TPH (Diesel)	12,360	ND			Ethylbenzene				
Benzene					Oil & Grease				
Toluene					Heavy metals				
Other					Other				

Comments (Depth of Remediation, etc.):

Excavation to 23 ft.

IV. Closure

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? (Yes) No

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? (Yes) No

Does corrective action protect public health for current land use? (Yes) No

Site management requirements:

Should corrective action be reviewed if land use changes? Yes (No)

Monitoring wells Decommisioned: Yes No | Number Decommisioned: | Number Retained:

List enforcement actions taken:

Notice of Requirement to Reimburse

List enforcement actions rescinded:

V. Local Agency Representative Data

Name: Peter Brierty Title: Division Chief/Hazardous Materials Management

Signature: [signature] Date: 2-28-94

RAL

VI. RWQCB Notification

Date Submitted to RB: RB Response:

RWQCB Staff Name: Title: Date:

VII. Additional Comments Data etc.

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.

08/24/93

STATE OF CALIFORNIA

GEORGE DEUKMEJIAN, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
6809 INDIANA AVENUE, SUITE 200
RIVERSIDE, CALIFORNIA 92506
PHONE: (714) 782-4130

November 7, 1990

Leonard E. Robinson
Environmental/Safety Manager
TAMCO
P.O. Box 325
Etiwanda, CA 91739

REMEDIATION OF LEAD CONTAMINATED SOIL AT SITE SOUTHWEST OF TAMCO IN ETIWANDA

Dear Mr. Robinson:

We have reviewed the final report for remediation of the lead contaminated soil in adjacent properties southwest of your facility. The report was prepared by Cleanup Technology (CUT) and describes their methods of excavation, treatment and removal of lead contaminated soil from the property. It was noted that CUT re-sampled after the initial excavation and having still found contamination, conducted further excavation and re-sampling until it was fully verifed that all contamination had been removed.

We are satisfied that the cleanup of lead contaminated soil at the site has been completed to concentrations below acceptable levels There will be no further action by this agency with regard to this matter.

We have enjoyed working with you and appreciate your diligence and cooperation in resolving this matter.

If you have any questons please call me or Dan Brown of my staff.

Sincerely,

Gary D. Stewart, Chief
Special Projects Section.

cc: William Reese - Cleanup Technology
David Long - Waste Minimization/Strategic Planning
San Bernardino County, Environmental Health Services - Hazardous Waste and Toxic Control

DCB/tamcut

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

CASE SUMMARY

REPORT DATE
10/23/1989

HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?

I. REPORTED BY -
UNKNOWN

CREATED BY
UNKNOWN

III. SITE LOCATION

FACILITY NAME
AMERON STEEL AND WIRE

FACILITY ID

FACILITY ADDRESS
12459 ARROW HWY
ETIWANDA, CA 91769
SAN BERNARDINO COUNTY

ORIENTATION OF SITE TO STREET

CROSS STREET

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN
DIESEL

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGAN

DATE DISCOVERED
9/25/1989

HOW DISCOVERED
Other Means

DESCRIPTION

DATE STOPPED
9/25/1989

STOP METHOD

DESCRIPTION

VII. SOURCE/CAUSE

SOURCE OF DISCHARGE
Other

CAUSE OF DISCHARGE
Unknown

DISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE
Soil

IX. REMEDIAL ACTION
NO REMEDIAL ACTIONS ENTERED

X. GENERAL COMMENTS

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER
90047

REGIONAL BOARD CASE NUMBER
083600432T

LOCAL AGENCY

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
CATHERINE RICHARDS	CR2	SAN BERNARDINO COUNTY	crichards@sbcfire.org

ADDRESS
620 SOUTH E STREET
SAN BERNARDINO, CA 92415-0153

CONTACT DESCRIPTION

PHONE TYPE	PHONE NUMBER	EXTENSION
PHONE	(909)-386-8419	
FAX	(909)-386-8460	

REGIONAL BOARD

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
MAILE SEEGER GEE	MG	SANTA ANA RWQCB (REGION 8)	maile.gee@waterboards.ca.gov

ADDRESS
3737 MAIN STREET, SUITE 500
RIVERSIDE, CA 92501-3339

CONTACT DESCRIPTION

PHONE TYPE	PHONE NUMBER	EXTENSION
PHONE	(951)-782-4379	

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PAGE 143 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
AMERON
4700 RAMONA BLVD. MONTEREY PARK CA 91754

II FACILITY

	MAILING ADDRESS TOWNSHIP/RANGE/SECTION	DEALER/FOREMAN/SUPERVISOR TELEPHONE	TYPE OF BUSINESS NO. OF CONTAINERS
AMERION STEEL & WIRE DIVISION 12459 ARROW HIGHWAY ETIWANDA CA 91739 CROSS STREET : ETWANDA & ARROW	P.O. BOX 8 ETIWANDA CA 91739	G.A. HANKE (714) 899-1723	STEEL MILL 1

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: KASINER, GARY (714) 829-4511 NIGHT: KASINER, GARY (714) 829-4511

********** OWNER ASSIGNED CONTAINER NUMBER: 1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000018067001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : 1976
D. CAPACITY (GALLONS) : 10,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 0.187 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

STATE WATER RESOURCES CONTROL BOARD
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
TAMCO
12459 ARROW HIGHWAY ETIWANDA CA 91739

II FACILITY

	MAILING ADDRESS / TOWNSHIP/RANGE/SECTION	DEALER/FOREMAN/SUPERVISOR / TELEPHONE	TYPE OF BUSINESS / NO. OF CONTAINERS
TAMCO 12459 ARROW HIGHWAY ETIWANDA CA 91739	P.O. BOX 325 ETIWANDA CA 91739	(714) 987-2521	STEEL MILL 4

CROSS STREET :
ETIWANDA AVE.

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: NELSON, WILLIAM (714) 987-2521 NIGHT: SAME ( ) -

********** OWNER ASSIGNED CONTAINER NUMBER: 004 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 0000001544900I **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /1975
C. YEAR INSTALLED : 1975
D. CAPACITY (GALLONS) : 50,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS:
B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING : GRAVITY SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
STOCK INVENTORY NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

STATE WATER RESOURCES CONTROL BOARD
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 003 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000015449002 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /1975
C. YEAR INSTALLED : 1975
D. CAPACITY (GALLONS) : 50,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING : GRAVITY SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
STOCK INVENTORY NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

********** OWNER ASSIGNED CONTAINER NUMBER: 002 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000015449003 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /1975
C. YEAR INSTALLED : 1975
D. CAPACITY (GALLONS) : 50,000
F. REPAIRS : NONE IF YES WHEN :
G. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
H. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING : GRAVITY SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
STOCK INVENTORY NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

STATE WATER RESOURCES CONTROL BOARD

HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY

CONTAINER TYPES: 1,2,3,4,5

(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 001 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000015449004 *********

IV DESCRIPTION

A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /1975
C. YEAR INSTALLED : 1975
D. CAPACITY (GALLONS) : 50,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION

A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING

A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING : GRAVITY SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION

STOCK INVENTORY NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER

12034 DIESEL MOTOR VEHICLE FUEL

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

CASE SUMMARY

REPORT DATE
10/18/1995

HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?

I. REPORTED BY -
UNKNOWN

CREATED BY
UNKNOWN

III. SITE LOCATION

FACILITY NAME
AIR LIQUIDE

FACILITY ID

FACILITY ADDRESS
12550 ARROW RTE
RANCHO CUCAMONGA, CA 91739
SAN BERNARDINO COUNTY

ORIENTATION OF SITE TO STREET

CROSS STREET
ETIWANDA

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN
DIESEL

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGAN

DATE DISCOVERED
10/25/1991

HOW DISCOVERED
Tank Closure

DESCRIPTION

DATE STOPPED
10/5/1995

STOP METHOD

DESCRIPTION

VII. SOURCE/CAUSE

SOURCE OF DISCHARGE
Piping

CAUSE OF DISCHARGE
Unknown

DISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE
Soil

IX. REMEDIAL ACTION

REMEDIAL ACTION	BEGIN DATE	END DATE	DESCRIPTION
Excavation	10/8/1995	10/27/1995	CONTAMINATED SOIL WAS RECYCLED AT GDE SOIL RECYCLING IN DEVORE, CA.

X. GENERAL COMMENTS

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER	REGIONAL BOARD CASE NUMBER
95054	083602729T

LOCAL AGENCY

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
JACKSON CRUTSINGER	JC	SAN BERNARDINO COUNTY	jcrutsinger@sbcfire.org

ADDRESS
620 SOUTH E STREET
SAN BERNARDINO, CA 92415-0153

CONTACT DESCRIPTION

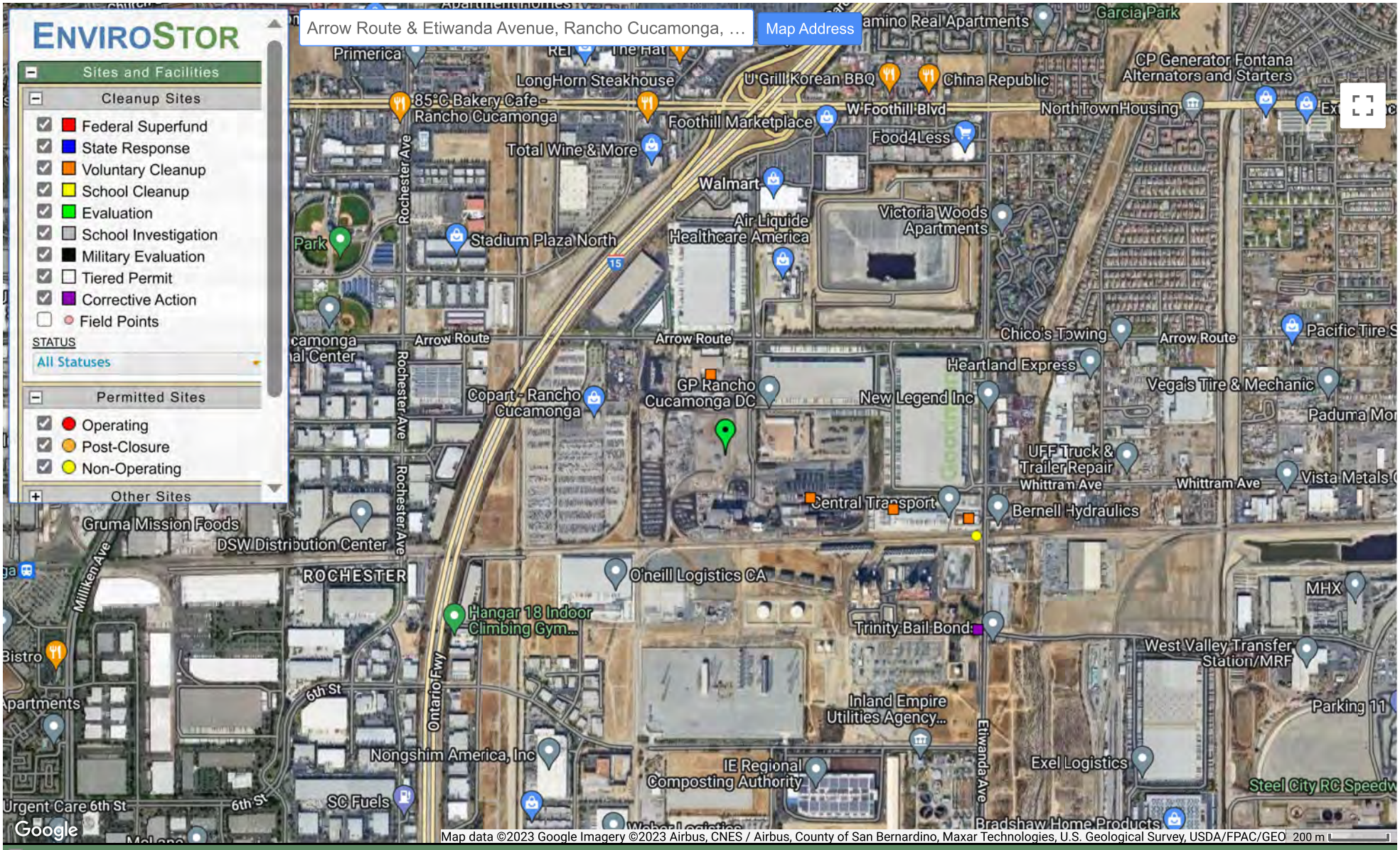
PHONE TYPE	PHONE NUMBER	EXTENSION
OFFICE	(909)-386-8419	

REGIONAL BOARD

UNKNOWN

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SITES CURRENTLY VISIBLE ON MAP — 7 SITES LISTED — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
AMERON/STEEL & WIRE PROPERTY	NO FURTHER ACTION	VOLUNTARY CLEANUP	12459 ARROW ROUTE	ETIWANDA
BERNELL HYDRAULICS	ACTIVE	VOLUNTARY CLEANUP	8810 ETIWANDA AVENUE	RANCHO CUCAMONGA
BTC III ARROW ROUTE	ACTIVE	VOLUNTARY CLEANUP	12451 ARROW ROUTE	RANCHO CUCAMONGA
DP ETIWANDA	CERTIFIED O&M - LAND USE RESTRICTIONS ONLY	VOLUNTARY CLEANUP	8822 ETIWANDA AVENUE	RANCHO CUCAMONGA
EPTC ETIWANDA	CLOSED	NON-OPERATING	8998 ETIWANDA AVE	ETIWANDA
SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION	ACTIVE	CORRECTIVE ACTION	8998 ETIWANDA AVENUE	SAN BERNARDINO
STEELSCAPE, INC.	CERTIFIED O&M - LAND USE RESTRICTIONS ONLY	TIERED PERMIT	11200 ARROW RTE	RANCHO CUCAMONGA

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

BTC III ARROW ROUTE (36340066)

SIGN UP FOR EMAI

12451 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
SAN BERNARDINO COUNTY
SITE TYPE: VOLUNTARY AGREEMENT

PROJECT MANAGER: SARA VELA
SUPERVISOR: JOSE DIAZ
OFFICE: CLEANUP CHATSWORTH
CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Summary | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen

Site Information

CLEANUP STATUS
ACTIVE AS OF 8/24/2022

SITE TYPE: VOLUNTARY AGREEMENT
NATIONAL PRIORITIES LIST: NO
ACRES: 95 ACRES
APN: 022912135
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

ENVIROSTOR ID: 36340066
SITE CODE: 400885
SPECIAL PROGRAM: VOLUNTARY AGREEMENT - STANDARD VOLUNTARY AGREEMENT
FUNDING: SITE PROPONENT
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 29

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
MANUFACTURING - METAL

POTENTIAL CONTAMINANTS OF CONCERN
NO CONTAMINANTS FOUND

POTENTIAL MEDIA AFFECTED
NO MEDIA AFFECTED

Site History

DTSC entered into a VCA with Kaiser Steel on December 22, 2000. DTSC reviewed a PEA for the then vacant 0.5-Acre property located at 12451 Arrow Route (Parcel 1 of Parcel Map 7 as recorded in BOOK 82 pages 48-51. The property was used to dispose of slag from steel recycling. An NFA was issued on December 20, 2021. BTC III Arrow Route CC LP submitted application on August 18, 2021 seeking agency oversight for the original parcel plus other parcels identified by San Bernardino County Assessor's Parcel Numbers 0229-121-34, 0229-1 33, 0229-131-19, and 0229-121-35 totaling 95 acres.

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STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of:	)	Docket No. HSA-A 00/01-153
	)	
Fontana Steel, Inc.	)	
(Historic Slag Trenches)	)	
12451 Arrow Route	)	
Rancho Cucamonga	)	
California 91739	)	Voluntary Cleanup
	)	Agreement
	)	
Project Proponent	)	
	)	Health and Safety Code
Fontana Steel, Inc.	)	Section 25355.5(a)(1)(C)
12451 Arrow Route	)	
Rancho Cucamonga	)	
California 91739	)	
	)	

I. INTRODUCTION

1.1 Parties. The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) enters into this Voluntary Cleanup Agreement (Agreement) with Fontana Steel Inc., 12451 Arrow Route, Rancho Cucamonga, California 91739 (Proponent).

1.2 Site. The property which is the subject of this Agreement is located at 12451 Arrow Route, Rancho Cucamonga, San Bernadino County, California 91739. For the purposes of this Agreement, the Site is defined as three subgrade trenches which were used for disposal of baghouse dust generated at the adjacent steel mill. The Site consists of approximately one-half acre and is identified by the metes and bounds described in Exhibit C

and incorporated herein. A diagram of the Site and a location map are attached as Exhibit A and Exhibit B.

1.3 Jurisdiction. This Agreement is entered into by DTSC and Proponent pursuant to Health and Safety Code (H&SC) section 25355.5(a)(1)(C). This section authorizes DTSC to enter into an enforceable agreement with Proponents to oversee the characterization and cleanup of a Site.

1.4 Purpose. The purpose of this Agreement is for the Proponent to conduct a Preliminary Endangerment Assessment under the oversight of DTSC. DTSC will determine what additional work, if any, will be required to complete the investigation of the Site. If appropriate, DTSC will issue a " No Further Action" letter based upon the PEA. The purpose of this Agreement is also for DTSC to provide a mechanism to assure reimbursement from the Proponent for DTSC's oversight costs.

II. BACKGROUND

2.1 Ownership. The Site is owned by CMC Steel Fabricators Inc., dba Fontana Steel, located at Steel Mill Road, Box 911, Seguin, Texas 78156-0911.

2.2 Substances Found at the Site. Reports, containing the results of environmental media sampling conducted at the Site, indicate that the soil may be contaminated with hazardous substances, including the following metals: arsenic, cadmium,

chromium lead, and zinc.

2.3 Physical Description. For the purposes of this Agreement, the Site is defined as three subgrade trenches which were used for disposal of baghouse dust generated at the adjacent steel mill. The trenches are located approximately 300 feet east of the western property line and 100 feet north of the southern property line of the Fontana Steel property. The Fontana Steel property is surrounded by heavy industrial facilities and vacant land. The property is bounded to the north and west by Arrow Route and vacant land, to the south by TAMCO Steel and to the east by Ameron Concrete & Steel Pipe, and to the southeast by Industrial Wire Products. There are no houses, schools, or churches near the facility.

2.4 Site History. The Fontana Steel property was covered by vineyards until 1955 and was vacant until construction of the existing structures by Fontana Steel, Inc. in 1988. The property had been owned by Ameron, Inc., until 1988. Ameron, the parent company of TAMCO Steel, used the property in the 1970s for material storage and for the disposal of baghouse dust.

III. AGREEMENT

3.0 **IT IS HEREBY AGREED THAT** DTSC will provide review and oversight of the response activities conducted by the Proponent in accordance with the Scope of Work contained in Exhibit D. The

Proponent shall conduct the activities in the manner specified herein and in accordance with the schedule specified in Exhibit E. All work shall be performed consistent with H&SC section 25300 et seq., as amended; the National Contingency Plan (40 Code of Federal Regulations (CFR) Part 300), as amended; U.S. EPA and DTSC Superfund guidance documents regarding site investigation and remediation.

3.1 Scope of Work and DTSC Oversight. DTSC shall review and provide Proponent with written comments on all Proponent deliverables as described in Exhibit D (Scope of Work) and other documents applicable to the scope of the project. DTSC shall provide oversight of field activities, including sampling and remedial activities, as appropriate. DTSC's completion of activities described above shall constitute DTSC's complete performance under this Agreement.

3.2 Additional Activities. Additional activities may be conducted and DTSC oversight provided by amendment to this Agreement or Exhibits hereto in accordance with Paragraph 3.17. If DTSC expects additional oversight costs to be incurred related to these additional activities, it will provide an estimate of the additional oversight cost to the Proponent.

3.3 Agreement Managers. Ms. Nennet Alvarez is designated by DTSC as its Manager for this Agreement. Mr. Tom Kaney is

assigned by the Proponent as its Manager for this Agreement. Each Party to this Agreement shall provide at least ten (10) days advance written notice to the other of any change in its designated manager.

3.4 Notices and Submittals. All notices, documents and communications required to be given under this Agreement, unless otherwise specified herein, shall be sent to the respective parties at the following addresses in a manner that produces a record of the sending of the notice, document or communication such as certified mail, overnight delivery service, facsimile transmission or courier hand delivery service:

3.4.1 To DTSC:

Nennet Alvarez, Chief
Attn: Daniel Zogaib, Project Manager
Southern California Cleanup Operations
Cypress Office
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

3.4.2 To the Proponent:

Mr. Tom Kaney
Fontana Steel, Inc..
12451 Arrow Route
Rancho Cucamonga
California 91739

3.5 DTSC Review and Approval. If DTSC determines that any

report, plan, schedule or other document submitted for approval pursuant to this Agreement fails to comply with this Agreement or fails to protect public health or safety or the environment, DTSC may (a) Return comments to the Proponent with recommended changes; or (b) Modify the document as deemed necessary and approve the document as modified.

3.6 Communications. All DTSC approvals and decisions made regarding submittals and notifications will be communicated to the Proponent in writing by DTSC's Agreement Manager or his/her designee. No informal advice, guidance, or suggestions or comments by DTSC regarding reports, plans, specifications, schedules or any other writings by the Proponent shall be construed to relieve the Proponent of the obligation to obtain such written approvals.

3.7 Endangerment During Implementation. In the event DTSC determines that any activity (whether or not pursued in compliance with this Agreement) may pose an imminent or substantial endangerment to the health and safety of people on the Site or in the surrounding area or to the environment, DTSC may order the Proponent to stop further implementation of this Agreement for such period of time as may be needed to abate the endangerment.

3.8 Payment. The Proponent agrees to pay (1) all costs

incurred by DTSC in association with preparation of this Agreement and for review of documents submitted prior to the effective date of the Agreement, and (2) all costs incurred by DTSC in providing oversight pursuant to this Agreement including review of the documents described in Exhibit D and associated documents, and in providing oversight of field activities. An estimate of DTSC's oversight costs is attached as Exhibit E. It is understood by the parties that Exhibit E is an estimate and cannot be relied upon as the final cost figure. DTSC will bill the Proponent quarterly. Proponent agrees to make payment within sixty (60) days of receipt of DTSC's billing. Such billings will reflect any amounts that have been advanced to DTSC by the Proponent.

3.8.1 In anticipation of services to be rendered, Proponent shall make an advance payment of $13,651 to DTSC. That payment shall be made no later than ten (10) days after this Agreement is fully executed. If the Proponent's advance payment does not cover all costs payable to DTSC under this paragraph, Proponent agrees to pay the additional costs within sixty (60) days of receipt of a bill from DTSC.

3.8.2 If any bill is not paid by the Proponent within sixty (60) days after it is sent by DTSC, the Proponent may be deemed to be in material default of this Agreement.

3.8.3 All payments made by the Proponent pursuant to this Agreement shall be by a cashier's or certified check made payable to the "Department of Toxic Substances Control", and bearing on its face the project code for the site (Calstars Site Code # 400885-11) and the docket number (Docket No. HSA-A 00/01-153) of this Agreement. Payments shall be sent to:

Department of Toxic Substances Control
Accounting/Cashier
400 P Street, 4th Floor
P.O. Box 806
Sacramento, California 95812-0806

A photocopy of the check shall be sent concurrently to DTSC's Agreement Manager.

3.8.4 If the advance payment exceeds DTSC's actual oversight costs, DTSC will provide an accounting for expenses and refund the difference within one hundred-twenty (120) days after termination of this Agreement in accordance with Paragraph 3.18. In no other case shall the Proponent be entitled to a refund from DTSC or to assert a claim against DTSC for any amount paid or expended under this Agreement.

3.9 Condition Precedent. It is expressly understood and agreed that DTSC's receipt of the advance payment described in Paragraph 3.8.1. is a condition precedent to DTSC's obligation to provide oversight, review and/or comment on documents.

3.10 Record Retention. DTSC shall retain all cost records associated with the work performed under this Agreement for such time periods as may be required by applicable state law. The Proponent may request to inspect all documents which support DTSC's cost determination in accordance with the Public Records Act, Government Code section 6250 et seq.

3.11 Project Coordinator. The work performed pursuant to this Agreement shall be under the direction and supervision of a qualified project coordinator, with expertise in hazardous substance site cleanup. The Proponent shall submit: a) the name and address of the project coordinator; and b) in order to demonstrate expertise in hazardous substance site cleanup, the resume of the coordinator. The Proponent shall promptly notify DTSC of any change in the identity of the Project Coordinator. All engineering and geological work shall be conducted in conformance with applicable state law including but not limited to Business and Professions Code sections 6735 and 7835.

3.12 Access. Proponent shall provide, and/or obtain access to the Site and offsite areas to which access is necessary to implement this Agreement. Such access shall be provided to DTSC's employees, contractors, and consultants at all reasonable times. Nothing in this paragraph is intended or shall be construed to limit in any way the right of entry or inspection

that DTSC or any other agency may otherwise have by operation of any law. DTSC and its authorized representatives shall have the authority to enter and move freely about all property at the Site at all reasonable times for purposes including, but not limited to: inspecting records, operating logs, sampling and analytic data, and contracts relating to this Site; reviewing the progress of the Proponent in carrying out the terms of this Agreement; conducting such tests as DTSC may deem necessary; and verifying the data submitted to DTSC by the Proponent.

3.13 Sampling, Data and Document Availability. When requested by DTSC, the Proponent shall make available to DTSC, and shall provide copies of, all data and information concerning contamination at the Site, including technical records and contractual documents, sampling and monitoring information and photographs and maps, whether or not such data and information was developed pursuant to this Agreement.

3.14 Notification of Field Activities. The Proponent shall inform DTSC at least seven (7) days in advance of all field activities pursuant to this Agreement and shall allow DTSC and its authorized representatives to take duplicates of any samples collected by the Proponent pursuant to this Agreement.

3.15 Notification of Environmental Condition. The Proponent shall notify DTSC's Agreement Manager immediately upon

learning of any condition posing an immediate threat to public health or safety or the environment. Within seven (7) days of the onset of such a condition, the Proponent shall furnish a report to DTSC, signed by the Proponent's Agreement Manager, setting forth the events which occurred and the measures taken in the response thereto.

3.16 Preservation of Documentation. The Proponent shall maintain a central repository of the data, reports, and other documents prepared pursuant to this Agreement. All such data, reports and other documents shall be preserved by the Proponent for a minimum of six (6) years after the conclusion of all activities carried out under this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, the Proponent shall either comply with that request, deliver the documents to DTSC, or permit DTSC to copy the documents prior to destruction. The Proponent shall notify DTSC in writing at least ninety (90) days prior to the expiration of the six-year minimum retention period before destroying any documents prepared pursuant to this Agreement. If any litigation, claim, negotiation, audit or other action involving the records has been started before the expiration of the six year period, the related records shall be retained until the completion and resolution of all issues arising therefrom or

until the end of the six-year period, which ever is later.

3.17 Amendments. This Agreement may be amended or modified solely upon written consent of all parties. Such amendments or modifications may be proposed by any party and shall be effective the third business day following the day the last party signing the amendment or modification sends its notification of signing to the other party. The parties may agree to a different effective date.

3.18 Termination for Convenience. Except as otherwise provided in this Paragraph, each party to this Agreement reserves the right unilaterally to terminate this Agreement for any reason. Termination may be accomplished by giving a thirty (30) day advance written notice of the election to terminate this Agreement to the other Party In the event that this Agreement is terminated under this Paragraph, the Proponent shall be responsible for DTSC costs through the effective date of termination.

3.19 Exhibits. All exhibits attached to this Agreement are incorporated herein by this reference.

3.20 Time Periods. Unless otherwise specified, time periods begin from the date this Agreement is fully executed, and "days" means calendar days. "Business days" means all calendar days that are not weekends or official State holidays.

3.21 Proponent Liabilities. Nothing in this Agreement shall constitute or be considered a satisfaction or release from liability for any condition or claim arising as a result of Proponent's past, current, or future operations. Nothing in this Agreement is intended or shall be construed to limit the rights of any of the parties with respect to claims arising out of or relating to the deposit or disposal at any other location of substances removed from the Site.

3.22 Government Liabilities. The State of California (State) shall not be liable for any injuries or damages to persons or property resulting from acts or omissions by the Proponent or by related parties in carrying out activities pursuant to this Agreement, nor shall the State of California be held as a party to any contract entered into by the Proponent or its agents in carrying out the activities pursuant to this Agreement.

3.23 Third Party Actions. In the event that the Proponent is a party to any suit or claim for damages or contribution relating to the Site to which DTSC is not a party, the Proponent shall notify DTSC in writing within ten (10) days after service of the complaint in the third-party action. Proponent shall pay all costs incurred by DTSC relating to such third-party actions, including but not limited to responding to subpoenas.

3.24 Reservation of Rights. DTSC and the Proponent reserve the following rights.

3.24.1 DTSC reserves its right to pursue cost recovery under the Comprehensive Environmental Response, Compensation and Liability act of 1980 (CERCLA), as amended, the California Health and Safety Code section 25360, and any other applicable section of the law.

3.24.2 Nothing in this Agreement is intended or shall be construed to limit or preclude DTSC from taking any action authorized by law or equity to protect public health and safety or the environment and recovering the costs thereof.

3.24.3 Nothing in this Agreement shall constitute or be construed as a waiver of the Proponent's rights, (including any covenant not to sue or release) with respect to any claim, cause of action, or demand in law or equity that the Proponent may have against any "person", as defined in Section 101(21) of CERCLA, or Health and Safety Code section 25319, that is not a signatory to this Agreement.

3.24.4 By entering into this Agreement, Proponent does not admit to any fact, fault or liability under any statute or regulation.

3.25 Compliance with Applicable Laws. Nothing in this Agreement shall relieve the Proponent from complying with all

applicable laws and regulations, and the Proponent shall conform all actions required by this Agreement with all applicable federal, state and local laws and regulations.

3.26 California Law. This Agreement shall be governed, performed and interpreted under the laws of the State of California.

3.27 Severability. If any portion of this Agreement is ultimately determined not to be enforceable, that portion will be severed from the Agreement and the severability shall not affect the enforceability of the remaining terms of the Agreement.

3.28 Parties Bound. This Agreement applies to and is binding, jointly and severally, upon each signatory and its officers, directors, agents, receivers, trustees, heirs, executors, administrators, successors, and assigns, and upon any successor agency of the State of California that may have responsibility for and jurisdiction over the subject matter of this Agreement. No change in the ownership or corporate or business status of any signatory, or of the facility or Site shall alter any signatory's responsibilities under this Agreement.

3.29 Effective Date. The effective date of this Agreement is the date when this Agreement is fully executed.

3.30 Representative Authority. Each undersigned

representative of the parties to this Agreement certifies that she or he is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind the parties to this Agreement.

3.31 Counterparts. This Agreement may be executed and delivered in any number of counterparts, each of which when executed and delivered shall be deemed to be an original, but such counterparts shall together constitute one and the same document.

Date: Dec 22, 2000

Nennet Alvarez, Chief
Southern California Cleanup Operations
Cypress Office
Department of Toxic Substances Control

Date: 12/13/00

Tom Haney, General Manager
Fontana Steel, Inc.

EXHIBITS

A - SITE DIAGRAM

B - SITE LOCATION MAP

C - METES AND BOUNDS

D - SCOPE OF WORK

E - COST ESTIMATE

F - SCHEDULE

Exhibit A

SITE LOCATION MAP

Exhibit B

SITE DIAGRAM

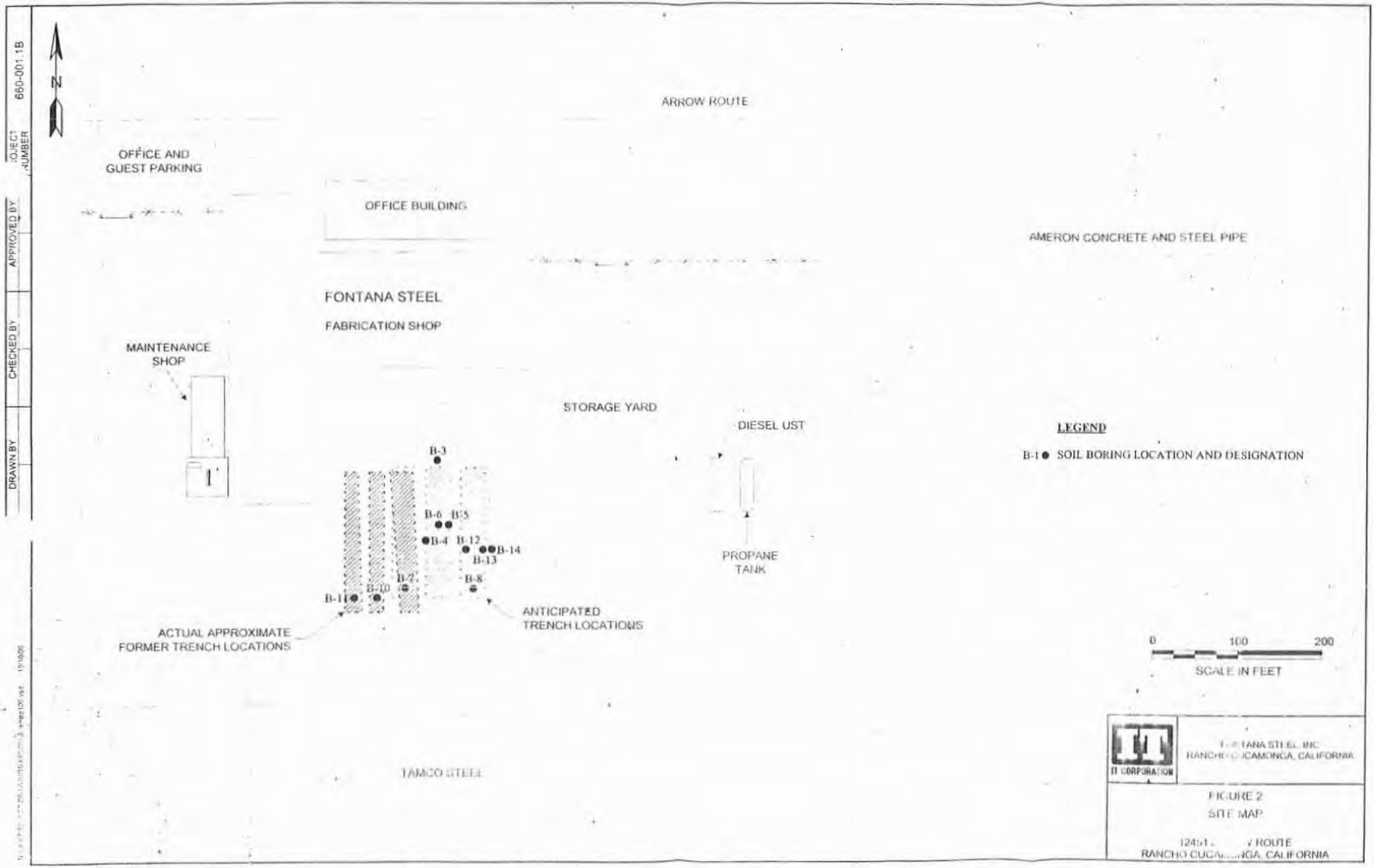

N
ARROW ROUTE
OFFICE AND
GUEST PARKING
OFFICE BUILDING
AMERON CONCRETE AND STEEL PIPE
FONTANA STEEL
FABRICATION SHOP
MAINTENANCE
SHOP
STORAGE YARD
DIESEL UST
PROPANE
TANK
B-3
B-6
B-5
B-4
B-12
B-14
B-13
B-7
B-8
B-11
B-10
ACTUAL APPROXIMATE
FORMER TRENCH LOCATIONS
ANTICIPATED
TRENCH LOCATIONS
TAMCO STEEL
LEGEND
B-1 SOIL BORING LOCATION AND DESIGNATION
0
100
200
SCALE IN FEET
IT CORPORATION
FONTANA STEEL INC.
RANCHO CUCAMONGA, CALIFORNIA
FIGURE 2
SITE MAP
12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA
PROJECT NUMBER 660-001.1B
APPROVED BY
CHECKED BY
DRAWN BY

Exhibit C

METES AND BOUNDS

EXHIBIT "A"

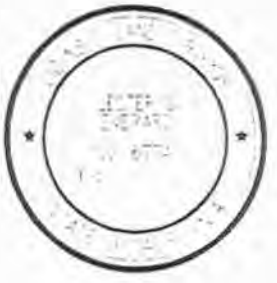
LEGAL DESCRIPTION

The following describes a portion of Parcel 1 of Parcel Map 7822 as recorded in Book 82, Pages 48-51, located in the office of the County Recorder of the County of San Bernadino, State of California

Beginning at the southwesterly corner of said Parcel 1; thence,
Along the Southerly line of Parcel 1 a bearing of S 89° 41' 15" E for a distance of 328.57 feet to the True Point of Beginning; thence,

N 01° 27' 40" E for a distance of 254.51 feet to the southeast corner of the existing steel building support; thence,
N 01° 27' 40" E for a distance of 49.99 feet; thence,
S 89° 41' 15" E for a distance of 300.00 feet; thence,
S 01° 27' 40" W for a distance of 304.50 feet, more or less, to the southerly property line of said Parcel 1; thence
Along said southerly property line N 89° 41' 15" W for a distance of 300.00 feet to the True Point of Beginning.

This description and accompanying Exhibit 'B' sketch were prepared by a licensed surveyor, Lester G. Everard on December 04, 2000

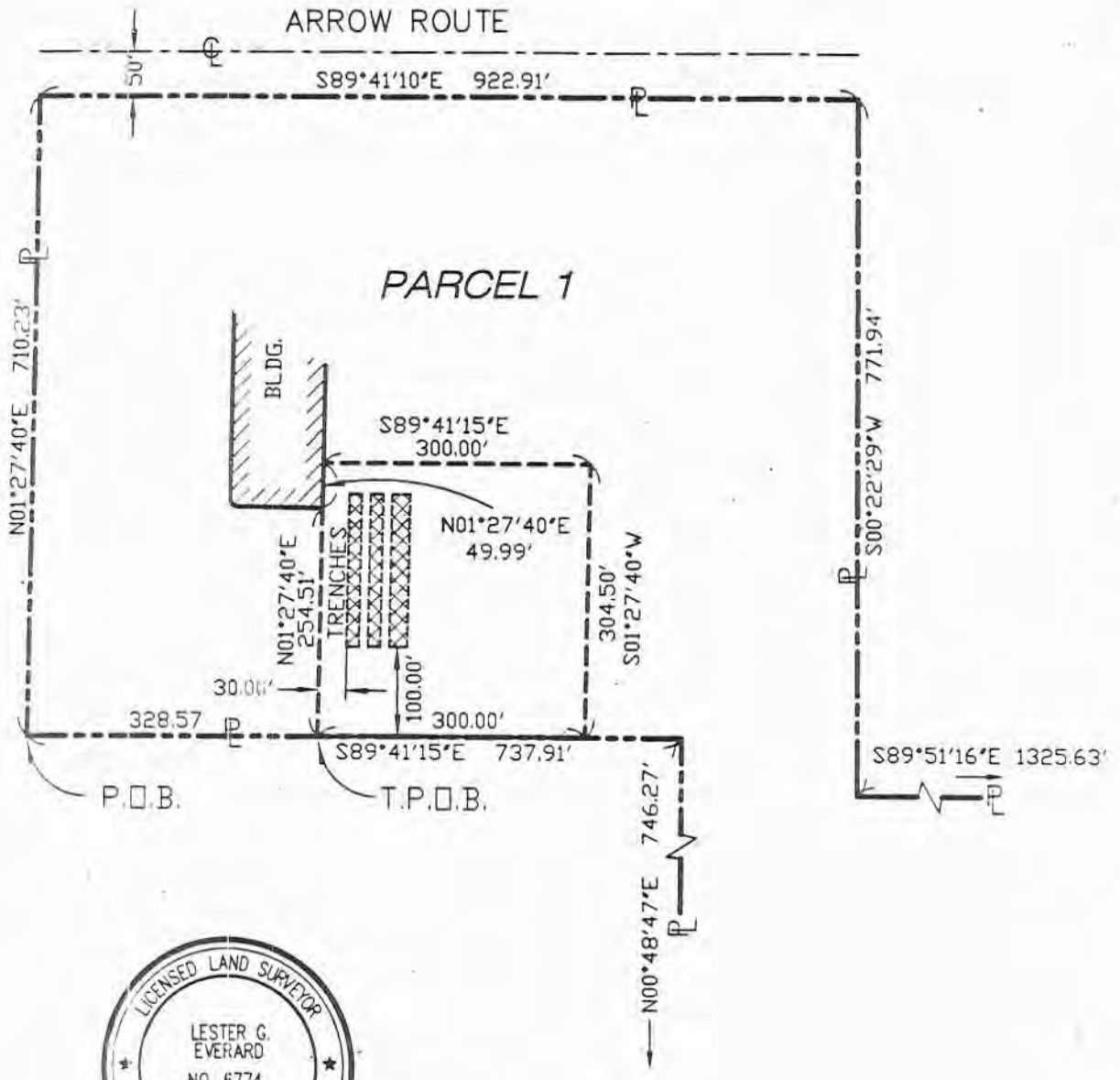


Lester G. Everard P.L.S. 6774 Exp: 9/30/2004

Azimuth Group
1587 Morse Avenue, Suite A
Ventura, CA 93003
(805) 650-6995

"EXHIBIT B"

A PORTION OF PARCEL 1, PM 7847
AS RECORDED IN BOOK 82, PAGE 48-51,
OF PARCEL MAPS IN SAN BERNADINO COUNTY



LICENSED LAND SURVEYOR
LESTER G. EVERARD
NO. 6774
Exp._____
STATE OF CALIFORNIA

GRAPHIC SCALE

0 100 200 600
50 150 400

SCALE: 1"=200'

NOTE:
TRENCH LOCATIONS WERE SCALED FROM
A MAP PROVIDED BY I.T. CORP.

PREPARED FOR: I.T. CORP. SITE ADDRESS: FONTANA STEEL SITE RANCHO CUCAMONGA, CALIFORNIA	PREPARED BY: AZIMUTH GROUP 1567 MORSE AVENUE VENTURA, CA 93003 (805) 677-0729 LESTER G. EVERARD, PLS 6774 DATE 12-06-00	"EXHIBIT B"	SHEET 2 OF 2

Exhibit D

SCOPE OF WORK

EXHIBIT D

SCOPE OF WORK

The following Tasks will be completed as part of this Agreement:

TASK 1. Preliminary Endangerment Assessment (PEA).

Proponent shall conduct a PEA to determine whether a release or threatened release of hazardous substances exists at the Site, which poses a threat to human health or the environment. The PEA shall be conducted in accordance with the DTSC guidance manual for evaluating hazardous substance release sites, titled: "Preliminary Endangerment Assessment Guidance Manual," State of California, Environmental Protection Agency, Department of Toxic Substances Control (January 1994). Documents which may be required as part of the PEA are:

(a) PEA Workplan. This Workplan shall include a sampling plan designed to determine the type and general extent of contamination at the Site; a health and safety plan addressing health and safety issues and safe work practices; and a quality assurance/quality control plan to produce data of known quality.

(b) PEA Report. This report will document whether a release has occurred or threatened release exists, the threat the Site poses to human health and the environment, and whether further action is necessary.

Exhibit E

COST ESTIMATE

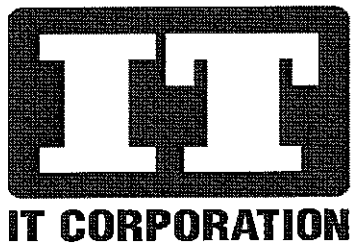
Exhibit F

PROJECT SCHEDULE

EXHIBIT F

PROJECT SCHEDULE

TASK	TIMELINE
Agreement Execution	December 2000
Proponent to submit advance payment.	Within 10 days of Agreement execution.
Proponent to submit all existing data and reports of previous investigations	Within 10 days of Agreement execution
If appropriate, a scoping meeting may be scheduled to coordinate project activities	Within 15 days of Agreement execution
DTSC to review and comment on existing data and reports of previous investigations and determine what additional work, if any, will be required to complete the investigation of the Site	Within 15 days of receiving documents to be reviewed
DTSC to review and comment on PEA Report	Within 30 days of receiving PEA Report



FINAL
PRELIMINARY ENDANGERMENT ASSESSMENT REPORT
HISTORICAL ELECTRIC ARC FURNACE DUST TRENCHES
FONTANA STEEL, INC.
RANCHO CUCAMONGA, CALIFORNIA

IT Project No. 660-001.1B

Prepared for:

FONTANA STEEL, INC.
P.O. BOX 2219
RANCHO CUCAMONGA, CALIFORNIA 91729-2219

and

CMC STEEL GROUP, INC.
P.O. BOX 911
SEGUIN, TEXAS 78156-0911

Prepared by:

IT CORPORATION
3452 EAST FOOTHILL BOULEVARD, 9TH FLOOR
PASADENA, CALIFORNIA 91107-2066

SEPTEMBER 2001
[REVISED NOVEMBER 2001]

Certification

The material and data in this report were prepared under the supervision and direction of the undersigned. This report was prepared in a manner consistent with widely accepted environmental consulting principles and meets current standards of professional care and performance.

IT CORPORATION



Stuart Michener, R.G.
Project Manager

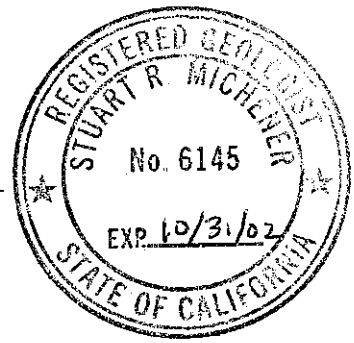


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Appendix A Voluntary Cleanup Agreement

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1.0 Introduction

Fontana Steel, Inc. is submitting this Preliminary Endangerment Assessment (PEA) report to the California Environmental Protection Agency (Cal/EPA), Department of Toxic Substances Control (DTSC) for review and approval. The PEA was performed to assess potential environmental impacts associated with the historical disposal of electric arc furnace (EAF) dust at the Fontana Steel, Inc. facility, 12451 Arrow Route, Rancho Cucamonga, California (Figure 1). By definition, the PEA seeks to determine whether current or past waste management practices have resulted in the release of hazardous substances that pose a threat to public health or the environment.

The Fontana Steel facility is a rectangular, 14-acre property on the south side of Arrow Route, approximately 0.5 mile west of the intersection with Etiwanda Avenue. The property has been developed with buildings including a 70,000 square-foot fabrication shop, a 14,000 square-foot office building, and a 4,000 square-foot maintenance shop located west of the fabrication shop. Concrete flatwork surrounds most of the buildings, although the south half of the property is unpaved and covered with crushed rock/gravel. The facility is bounded by Arrow Route to the north and by other industrial facilities to the south, east, and west (notably Tamco Steel to the south, Ameron Concrete and Steel Pipe to the east, and Parallel Products to the west). The vacant land immediately north and across Arrow Route is currently for sale and zoned for commercial/industrial development.

This PEA report was prepared by IT Corporation (IT) in accordance with the Voluntary Cleanup Agreement ([VCA] Docket No. HAS-A 00/01-153; refer to Appendix A) between Fontana Steel, Inc. and the DTSC. In the VCA, the "site" was defined by survey as the approximately 300- by 300-foot area where EAF dust was buried in trenches by a previous property owner. For the purpose of this report, the term "site" typically refers to this surveyed area. The PEA incorporated information acquired during previous reviews of regulatory records and historical information, repeated site inspections, and the phased collection and laboratory analysis of environmental samples. It was prepared in accordance with the *PEA Guidance Manual* (DTSC, 1999), DTSC supplemental guidance (DTSC, 1992), U.S. Environmental Protection Agency (EPA) risk assessment guidance (EPA, 1992 and 1999), and IT's *Preliminary Endangerment Assessment Work Plan, Historic Electric Arc Furnace Dust Trenches, Fontana Steel, Inc., Rancho Cucamonga, California* (IT, February 2001).

The overall objectives of the PEA include the following:

- Evaluation of historical information for indications of the past use, storage, disposal, or release of hazardous wastes/substances, including the historical disposal of EAF dust in trenches.
- Through field sampling and analysis, determination of the presence and concentrations of chemicals of potential concern (COPCs) that may be present in soil at the site.
- Estimation of potential impacts to human health and/or the environment posed by COPCs at the site under the default residential exposure scenario as well as a commercial/industrial exposure scenario.

The information developed during the PEA and the human health evaluations contained herein should enable the DTSC to make an informed decision regarding potential environmental risks and hazards at the site. Based on the information generated during this PEA, Fontana Steel believes that a determination of "No Further Action" is warranted (refer to discussion in Section 11.2).

Consistent with DTSC guidance (DTSC, 1999), the body of the PEA report has been organized as follows:

Section 1.0 – Introduction

Section 2.0 – Site Description

Section 3.0 – Background

Section 4.0 – Hazardous Substance/Waste Management Information

Section 5.0 – Apparent Problem

Section 6.0 – Environmental Setting

Section 7.0 – Sampling Activities and Results

Section 8.0 – Human Health Screening Evaluation

Section 9.0 – Ecological Screening Evaluation

Section 10.0 – Community Profile

Section 11.0 – Conclusions and Recommendations

Section 12.0 - References

2.0 Site Description

The subject site is located at 12451 Arrow Route in the City of Rancho Cucamonga, California (Figure 1). This 14-acre, rectangular industrial property lies on the south side of Arrow Route, approximately 0.5 mile west of the intersection with Etiwanda Avenue. The site neighborhood is located in Township 1 South, Range 6 West, Section 8 as shown on the Guasti 7.5-minute quadrangle map (U.S. Geological Survey [USGS], 1966, photorevised 1981).

The facility has been developed with a 70,000-square-foot fabrication shop, a 14,000-square-foot office building, and a 4,000-square-foot maintenance shop. The site layout is shown on Figure 2. Fontana Steel presently uses the site for fabrication of steel rebar for highway and building construction. Fabrication steps include sorting, bending, shearing, welding, storage, and transport. None of the operations at the facility include wet chemical processing such as degreasing, painting, coating, or other chemical treating. The company maintains trucks, forklifts, and cranes in the aforementioned maintenance shop. The shop has an external wash rack that drains to a subgrade clarifier. An above-grade oil recovery system is used in conjunction with the clarifier to segregate and remove oily residues and sludge. The site has one 12,000-gallon double-walled fiberglass underground storage tank used for diesel fuel, and one 15,000-gallon aboveground propane tank. [Note: For the purpose of the PEA, these structures are not considered part of the "site." The information is provided for context only.]

Fontana Steel is surrounded by industrial manufacturing facilities to the east, northeast, south, and west, and by a vacant parcel slated for commercial/industrial development to the north. The land across Arrow Route includes a newly constructed warehouse building to the northwest, a vacant parcel directly to the north (currently for sale and zoned for commercial/industrial), and Air Liquide, a bulk gas distributor to the northeast. Ameron Concrete & Steel Pipe and Ameron Steel & Wire are located east and southeast of the Fontana Steel facility, while the land south of the site is occupied by the Tamco Steel mill. A narrow strip of vacant land separates the west boundary of the Fontana Steel facility from the neighboring Parallel Products plant. Parallel Products is engaged in the recycling of surplus or dated grain-derived liquids. The closest residential land use is the Victoria Woods Apartments complex, located approximately 0.5 miles east of the site at the northeast corner of Arrow Route and Etiwanda Avenue.

2.1 Site Identification

The following site identification information is presented as required by current PEA guidance:

Site Name:	Fontana Steel, Inc
Contact Person & Telephone Number:	Mr. Dave Otey Manager, Health and Safety (909) 899-9993
Site Address:	12451 Arrow Route Rancho Cucamonga, California 91739
Mailing Address:	Fontana Steel, Inc. P.O. Box 2219 Rancho Cucamonga, California 91739
Other Site Names:	NA
USEPA Identification Number:	CAL000120760
CalSites Database Number:	NA
Assessor's Parcel Number and Maps:	Parcel Number 1 of Parcel Map Number 7847 in the City of Rancho Cucamonga, County of San Bernardino, State of California, as per plat map recorded in Book 82 of Parcel Maps, Pages 48 to 51 inclusive of parcel maps, in the records of said County
Section, Township, Range, and Meridian:	Township 1 South, Range 6 West, Section 8, San Bernardino Base and Meridian
Land Use and Zoning:	Commercial/Industrial

2.2 Site Maps and Figures

The following figures describing the location and specific features of the site are provided herein:

- Figure 1 – Site Location Map
- Figure 2 – Plot Plan and Sample Locations
- Figure 3 – Conceptual Site Model

In addition to the site maps, supporting documentation is presented in the appendices as follows:

- Appendix A Voluntary Cleanup Agreement
- Appendix B Boring Logs
- Appendix C Laboratory Reports
- Appendix D Chain-of-Custody Forms

3.0 Background

The site background is described in the following subsections: Section 3.1 – Summary of Site History; Section 3.2 – Site Reconnaissance; Section 3.3 – Surrounding Land Use; Section 3.4 – Summary of Environmental Concerns from Public Records; and Section 3.5 – Previous Studies.

3.1 Summary of Site History

Based on a review of historical aerial photographs, it appears that the site was used for agricultural purposes until at least 1953. In the 1977 aerial photograph, the site is vacant with the exception of some stored materials in the southeast corner of the property; a change or transition from agricultural to industrial land use appears to have taken place during the intervening period. According to ERT's *Clean Closure Verification Report* (ERT, 1988), Ameron Corporation used the site for the storage and disposal of baghouse dust wastes generated by the Tamco Rolling Mill Operations in the 1970s. Baghouse dust reportedly was buried in three trenches on the south part of the site. In 1987, as part of the sale of the property, Ameron Corporation agreed to remove the baghouse dust. Approximately 4,000 cubic yards of buried dust were excavated and removed from the site, and the excavations were backfilled with slag, a steel-making co-product commonly used as road base, railroad ballast, and fill material. Communications between Ameron, ERT (the environmental consulting firm conducting the work), and Fontana Steel indicate that the remediation criteria were based on State waste classification limits, including Total Threshold Limit Concentrations (TTLC) and Soluble Threshold Limit Concentrations (STLC).

In 1989, the property was acquired by Fontana Steel Inc. via a delayed exchange between Ameron, Inc., Kaiser Foundation Hospitals, and Fontana Steel, Inc. In August 1988, Ameron, Inc. sold the site to Kaiser Foundation Hospitals (Kaiser). After Kaiser completed some unspecified "improvements" to the property, it was exchanged for parcels in the City of Fontana, California that were formerly owned by Fontana Steel and Paul Ware. The 1989 aerial photograph shows the Fontana Steel fabrication plant and attached office.

3.2 Site Reconnaissance

Information concerning present-day waste management practices was gathered during previous site inspections conducted by PEG (Pacific Environmental Group)/IT personnel. As discussed previously, Fontana Steel is engaged in the fabrication of steel rebar for highway and building construction. Fabrication steps include sorting, bending, shearing, welding, storage, and transport; none of the operations include wet chemical processing such as degreasing, painting, coating, or other chemical treating. The on-site maintenance shop has an external wash rack that drains to a subgrade clarifier. An above-grade oil recovery system is used in conjunction with the clarifier to segregate and remove oily residues and sludge. The site has one 12,000-gallon double-walled fiberglass underground storage tank used for diesel fuel, and one 15,000-gallon aboveground propane tank. In accordance with the VCA, these structures are not considered part of the "site."

3.3 Surrounding Land Use

The majority of the land surrounding the site is used for commercial/industrial purposes. Land use at the adjacent properties is summarized below:

North: The land across Arrow Route includes a newly constructed warehouse building to the northwest and adjacent to Interstate 15 (I-15), a vacant parcel directly north of the subject site (currently for sale and zoned commercial/industrial), and Air Liquide, a bulk gas distributor to the northeast.

East: Ameron Concrete & Steel Pipe occupies the parcel immediately east of the site. The plant produces steel-coated concrete pipe that is cured and stored on site. The Ameron Steel & Wire facility is located immediately southeast of the Ameron Concrete & Steel Pipe facility. At this plant, Industrial Wire Products (IWP, formerly the Ameron Steel & Wire Facility) and Ameron manufacture wire in mills using steel rod manufactured at the Tamco Steel mill (see below).

South: Land south of the site is occupied by the Tamco Steel mill. The mill processes scrap steel from various sources and produces both rebar and steel billets. Most of the rebar used by Fontana Steel is supplied by Tamco. The entrance to the Tamco mill runs south from Arrow Route along the east side of the Fontana Steel facility.

West: A narrow strip of vacant land separates the west boundary of the Fontana Steel facility from the neighboring Parallel Products plant. Parallel Products is engaged in the recycling of surplus or dated grain-derived liquids. According to a 1989 appraisal report, the intervening strip of land was slated for the development of a concrete lined storm drainage. The storm drainage apparently was not constructed at that location; a senior engineer for the City of Rancho Cucamonga's Land Development Section, indicated that the storm drainage channel was built at a location west of I-15 in 1992.

3.4 Summary of Environmental Concerns from Public Records

Environmental concerns based on public records were researched through discussions with public agencies and review of files and records maintained by those agencies. Agency inquiries and file research was supplemented with a regulatory database review conducted by Environmental Data Resources, Inc. (EDR). A summary of the identified environmental concerns is presented below.

3.4.1 Regulatory Database Review

Pacific Environmental Group (PEG, now part of IT Corporation) contracted EDR to conduct an environmental database search of California State and Federal databases for the subject site and the surrounding area. The EDR report was previously presented as an appendix in the December 1998 Phase I Environmental assessment for the site (PEG, 1998). The search for each State or Federal database met the minimum radii stipulated by the American Society for Testing and Materials (ASTM) at the time of the Phase I. A total of 29 commonly-referenced databases were included in the search. Although the subject site (and its constituent parcels) was not listed in any of the databases, several governmentally-listed sites were identified in the site vicinity. Listed sites were reported on one or more of the following State and/or Federal databases:

- California Calsites (CAL-SITES, formally known as ASPIS)
- California Hazardous Material Incident Report System (CHMIRS)
- Cortese (CORTESE)
- RCRA Correction Action Activity (CORRACTS)
- Solid Waste Information system (SWIS)
- Leaking Underground Storage Tank Information System (LUSTIS)
- Registered Underground Storage Tanks (UST)
- RCRA Information System Small-Quantity Generator (RCRIS-SQG)

In addition to these Federal/State database listings, the San Bernardino County Fire Department Hazardous Materials Division records showed several permitted facilities within a 0 25-mile radius of the site. A total of 20 facilities within a 1-mile radius of the site were identified in the database search. The following table summarizes the listed facilities that are believed to be the most significant due to their proximity to the site and/or the nature of the environmental issue/release.

Facility Name	Facility Address	Database List	Distance and Direction from Site
Ameron Steel Wire Division	12459 Arrow Route Rancho Cucamonga, CA	CalSites, RCRIS-LQG, HAZNET, CHMIRS, SBCEHS	<1/4 mile E
Vista Metals Corporation	13435 Whittram Ave Fontana, CA	CalSites, RCRIS-SQG, CERCLIS-NFRAP, UST, CA FID	½-1 mile ESE
FNHJEH Env. Management	13579 Whittram Ave Fontana, CA	FINDS, RCRIS-SQG, CORRACTS	½-1 mile ESE

3.4.2 Local Agency File Review

During the previously completed Phase I Environmental Site Assessment (PEG, 1998), the following regulatory agencies were contacted for information concerning the Fontana Steel facility and sites in the vicinity:

- California Regional Water Quality Control Board - Santa Ana Region
- California Department of Toxic Substance Control

San Bernardino County Environmental Health Services and Fire Department

Pertinent information obtained at these agencies is presented below.

California Regional Water Quality Control Board (RWQCB) – Santa Ana Region

RWQCB records included file materials for Ameron Concrete & Steel Pipe at 12455 Arrow Route and Ameron Steel and Wire Facility at 12459 Arrow Route. Relevant information is summarized below.

Ameron Concrete & Steel Pipe: In 1966, the American Pipe and Construction Company requested the RWQCB's permission to discharge as much as 25,000 gallons per day of industrial wastewater. The wastewater was to be discharged "through a drainage swale between Etiwanda Steel Producers railroad spur and the east property line." In response, the RWQCB required that waste waters containing brine wastes be diverted to a lined

pond. A polyethylene-lined pond was constructed in August 1967 to receive these wastes.

In July 1976, a RWQCB resolution was issued to Ameron Pipe Products to bring the older waste discharge requirements (WDRs) into conformance with the RWQCB's Water Quality Control Plan. During a subsequent inspection, the RWQCB noted that "wastewater had been flowing through and ponding outside the fenced area at the southeast end of the plant." The RWQCB required Ameron to "investigate the discharge and indicate actions taken to assure that this discharge will be contained on property owned or controlled by Ameron Pipe." In May 1982, the RWQCB issued an order revising the allowable discharge flow rate and monitoring program.

In a letter dated January 1, 1994, the RWQCB directed Ameron to "cease the use of the pond and arrange acceptable temporary alternative brine disposal." The flow into the pond was stopped by Ameron on March 17, 1994. In January 1995, Ameron submitted a Phase I Subsurface Investigation to the RWQCB addressing removal of the pond and liner, and collection and analysis of subsurface soil samples.

Ameron Wire & Steel Facility: In October 1992, the San Bernardino County Environmental Health Services (SBCEHS) sent a letter to Ameron, Inc. stating that the results of investigations "reveal elevated levels of metals and petroleum hydrocarbons" and that the County "requires that remedial action be undertaken for this site." In response, Ameron identified several locations where "remedial activities may be warranted" including the wire mill, the "old borrow pit", an area of possible dumping, and a "former hole in the southeast yard." Over the next two years, Ameron worked with the SBCEHS and the RWQCB to develop a site-wide soil characterization plan. The site was administratively transferred to the DTSC in May 1995 (see DTSC file information discussed below).

Department of Toxic Substances Control (DTSC) DTSC records included file materials for the Ameron Wire and Steel Facility at 12459 Arrow Route and the Tamco Steel mill at 12459 Arrow Route. Relevant information is summarized below.

Ameron Wire & Steel Facility: An environmental site assessment was conducted at Ameron's facility in 1989 and 1990 (PSM, 1990). The assessment results lead Ameron to develop a comprehensive site characterization plan that was submitted to the DTSC in January 1995 as part of a Voluntary Cleanup Program application. DTSC subsequently required Ameron to perform a hazardous substance characterization and a human health

risk assessment. After the submittal of the risk assessment in January 1996 (PSM, 1996), the DTSC concluded that "...the site does not appear to pose a threat to human health or the environment" and a determination of "no further action" was issued.

Tamco Steel: DTSC files included information concerning a waste shipment/disposal incident that occurred in May 1985, when an outgoing shipment of baghouse dust containing radioactive materials (reportedly Cesium-contaminated scrap metal) was discovered. The radioactivity was detected in a load of waste that was being transported from the Tamco mill to a permitted disposal facility. Although this load was returned to Tamco, a previous (and presumably radioactive) load was received by and disposed of at the Kettleman Hills Class I Landfill. DTSC concluded that the load was not likely to be disturbed or uncovered and did not pose a significant health risk. DTSC files also contained a request from Tamco for a Hazardous Waste Facility Permit Variance that would allow the on-site storage of baghouse dust for periods greater than 90 days.

San Bernardino County Department of Environmental Health Services (SBCEHS)

The Department of Environmental Health Services was reorganized and became part of the County Fire Department. Records discussed below are both from the Environmental Heath Services and the Fire Department.

Fontana Steel, Inc.: In October 1994, the SBCEHS conducted a site-wide inspection of the Fontana Steel facility. The inspection resulted in the issuance of a Notice of Violation based on unlabeled waste containers, waste mixing, and lack of a generator permit and a current Business Plan. A follow-up inspection was conducted on March 13, 1995. According to the inspector, Fontana Steel had made "an unusually large effort to come into full compliance".

Olympic Mill Service: This facility, also known as United Slag Processing, is located at 12459 Arrow Route. According to the documents in the County's file, "the slag produced by Tamco is transported to the slag processing area by United Slag." This area is located immediately northwest of the Tamco furnace.

Tamco Steel: As early as 1986, County correspondence expressed concerns over the discharge of wastes and wastewater to an area located southwest of the Tamco site. The County required Tamco to develop a sampling and analysis plan for the affected areas including a slag quenching area, a drainage ditch, the area around a railroad trestle, and a so-called flood plain and mud flat area. In 1990, approximately 3,300 cubic yards of impacted soil was excavated from the southwest portion of the site and stabilized for

future use as road base; the cleanup levels were 5 mg/l for soluble lead and 50 mg/kg for total lead. In a letter dated November 7, 1990, the RWQCB stated their satisfaction that ". . .the cleanup of lead contaminated soil at the site has been completed to concentrations below acceptable levels. There will be no further action by this agency with regard to this matter." Subsequent to the cleanup, the USEPA initiated a Preliminary Assessment (PA). The PA focused on the presence of approximately 20,000 tons of baghouse dust that had been buried within the slag pile. Samples of slag and "non-slag" (baghouse dust) were collected from the slag pile for chemical analysis. Although the EPA found concentrations of cadmium, chromium, lead, nickel, and zinc greater than three times background concentrations, they concluded that there had not been an "observed or projected release to groundwater" and determined that no further action was required.

3.5 Previous Investigations

As part of the property purchase agreement between Ameron and Kaiser in 1987, Ameron agreed to "legally and safely remove all hazardous substances such as underground tanks, asbestos or asbestos related product, or any other hazardous or toxic waste, substance, material or other contaminant or pollutant." This language included "the complete removal, in accordance with all applicable (Governmental Requirements), of the solid hazardous substance know(n) as 'baghouse dust' presently located on the Property." Therefore, Ameron Corporation retained ERT, Inc. (ERT) to investigate and remediate the EAF dust.

Three trenches, averaging 170 feet long, 20 feet wide, and 12 feet deep, were located and exhumed using a front-end loader in late 1987. Approximately 4,000 cubic yards of EAF dust, which is a listed State and Federal hazardous waste (waste code K061), was removed by Ameron's contractor under ERT's direction. According to ERT's 1988 closure report, the contact between the buried dust and the adjacent soil was readily distinguished based on contrasting color, texture, and consistency. Once the visible limits of the buried dust were reached, confirmation soil samples were collected and analyzed for metals including zinc, lead, and cadmium. ERT's excavation and sampling protocol specified that the Total Threshold Limit Concentration (TTLC) and Soluble Threshold Limit Concentration (STLC) limits would be used as clean-up guidelines. Therefore, depending on the analytical results, additional soil was excavated until the metals concentrations were "significantly less" than the TTLC. According to ERT's report, "Whenever the TTLC or STLC were exceeded, additional soil was removed from that area and then the excavated area was resampled. This procedure was repeated until

the TTLC or STLC limits were met. These data show that the TTLC and STLC limits were met for any soil remaining in place after the excavation was complete." One such area of overexcavation appears to have been the north end of the center trench.

Table 1 presents a summary of the analytical data obtained from confirmation soil samples. Detectable metals in the trench confirmation samples included cadmium (0.1 to 19.2 mg/kg), copper (6.1 to 42.1 mg/kg), lead (3.0 to 1,590 mg/kg), and zinc (38.5 to 12,500 mg/kg). The data included in ERT's report showed that while TTLC limits were not exceeded, the STLC limits were exceeded in several cases. For example, the STLC for lead is 5.0 mg/l (ppm), and the analytical results for the samples ranged from 14.0 to 86.0 mg/l. The STLC for zinc is 250 mg/l, and the sample concentrations ranged from 150.0 to 720.0 mg/l. According to the ERT report, areas with elevated metals (i.e., above State hazardous waste limits) were overexcavated.

Following soil removal, the excavations were backfilled to within 3 feet of the original surface with slag produced at the Rolling Mill. The excavations were then backfilled to the surface using clean soil that had been removed from the surface of the trenches above the baghouse dust. The excavated baghouse dust was transported to another location on the Tamco site.

In 1989, the Ameron Corporation sold the subject site to the current owner, Fontana Steel, Inc. In 1998, Fontana Steel retained the Pacific Environmental Group (PEG) to perform a Phase I environmental site assessment. The assessment evaluated whether current or historical uses of the subject property or the surrounding properties might have resulted in releases of hazardous substances, with adverse impacts to the subject site. The Phase I report recommended, among other things, additional soil assessment in the area of the former EAF dust trenches in the south-central part of the site.

In March 1999, a supplemental site assessment was performed by PEG to implement the recommendations of the Phase I report. Eleven (11) soil borings, ranging in depth from 15 to 23 feet below ground surface, were drilled and sampled in the reported vicinity of the former EAF dust trenches. Prior to drilling the soil borings, a geophysical survey including terrain conductivity, ground-penetrating radar, and electromagnetic techniques, was performed to help confirm the location of the trenches. Although most of the survey results were inconclusive, a terrain conductivity anomaly, suggestive of low-resistivity backfill materials such as slag, was tentatively identified in the reported vicinity of the trenches

The soil borings were drilled and sampled with a truck-mounted hollow-stem auger drill rig. Samples from these borings were carefully logged for the presence of slag backfill and/or the contact between the backfill and the native soil. Three of the borings (B-7, B-10, and B-11) intercepted slag backfill within the trenches; the contact between the slag and the underlying native soils was encountered between the depths of 16 and 18 feet below ground surface. No evidence of remnant (i.e., unexcavated) EAF dust was noted in any of the borings, and the uppermost 3 to 4 feet in these borings was primarily composed of silty sand. Both findings were consistent with the 1988 ERT closure report.

Samples of both the slag backfill and the adjacent native soil were collected and analyzed for Title 22 metals. In general, the slag samples from the "east" and "center" trenches contained the highest metals concentrations, including total chromium (900 mg/kg), copper (230 mg/kg), lead (170 mg/kg), and zinc (1,200 mg/kg); the analytical results are summarized in Table 2.

The PEG supplemental site assessment confirmed the geometry of the trenches as reported by ERT, although the actual trench locations were approximately 80 feet west from the depiction in the 1988 closure report. The absence of EAF dust in the borings also tended to confirm the effectiveness of the 1987 remedial excavation. Nevertheless, metals concentrations in the slag backfill in the "east" and "center" trenches appeared to be elevated.

4.0 Hazardous Substance/Waste Management Information

Fontana Steel is permitted as a "limited quantity" hazardous waste generator by the San Bernardino County Fire Department, and has an EPA generator ID Number (i.e., CAL000120760).

Small quantities of waste products are generated in the maintenance shop including hydraulic and lubricating oils, oil filters, shop rags, spill absorbent, paint cans, ethylene glycol, and solvent. Most of these wastes are temporarily stored in DOT-specification drums, labeled, and shipped off-site for recycling or disposal. Approximately one drum each of waste ethylene glycol and absorbent and approximately two drums of waste oil filters are generated every six months. Waste oil is drained into a 200-gallon, above-ground storage tank, which is pumped out and transported off-site for recycling every 90 days. [Note: For the purpose of the PEA, these wastes are not generated or stored at the "site." The information is provided for context only.]

5.0 Apparent Problem

The site was historically used for the disposal of EAF (a.k.a. baghouse) dust, a RCRA-listed waste, in three trenches. In 1987, the buried dust was remediated by excavation and off-site treatment and disposal, after which, the exposed trenches were backfilled with slag, a steel-making co-product commonly used as road base, railroad ballast, and fill material. This PEA was performed to assess whether residual impacts remain in the native soil surrounding the former trenches or in the slag backfill, and to determine whether such residues, if present, pose a health threat to site workers.

As specified in the PEA work plan (IT, 2001), soil samples were collected and analyzed for Title 22 metals (USEPA 6000/7000 series Methods) and for hexavalent chromium (USEPA Method 7199). In theory, workers at the site who are engaged in construction-related excavation could be exposed to COPCs via inhalation of airborne metals-bearing dust, ingestion of metals-bearing soil, and dermal contact with metals-bearing soil. In practice, construction worker health and safety would typically be ensured through the implementation of protective measures such as health and safety planning/training, personal protective equipment use, dust suppression, and isolation and/or removal of impacted soil. Therefore, the likelihood of exposure via these pathways is considered low, and the results of the human health screening evaluation described herein likely overstate human health risk at the site. Because the PEA defaults to a residential exposure scenario, the health screening results represent a conservative estimate of health hazards for site workers, whose cumulative time on site is significantly less than that of a resident. To more accurately reflect the current and anticipated future land use at the site (and associated exposure potential), health risk including carcinogenic and non-carcinogenic effects was evaluated under a commercial/industrial exposure scenario. The results are discussed in Section 8.5.

6.0 Environmental Setting

This section discusses the influence of site-specific characteristics on potential exposure pathways. A conceptual site model is shown as Figure 3 and discussed in the following sections.

6.1 Factors Related to Soil Pathways

The *PEA Guidance Manual* (DTSC, 1999) requires that risk/hazard due to exposure to soil be calculated as part of the PEA process. The following section describes factors that may influence the potential exposure of on-site workers to site soil through inhalation, dermal contact, and incidental ingestion.

The Fontana Steel facility has an average surface elevation of approximately 1155 feet above mean sea level (USGS, 1966), and the topography in the area slopes gently to the south. Dry Creek, which drains toward the south, is located approximately 0.3 miles to the west. The site is situated near the center of the upper Santa Ana River Valley approximately 5 miles south of the San Gabriel Mountains. The upper Santa Ana River Valley is drained by the Santa Ana River, which flows southwest and lies approximately 10 miles south of the site at its closest approach. According to the California Division of Mines and Geology, the site is underlain by Quaternary alluvium (Geologic Map of California - San Bernardino Sheet, 1969, California Division of Mines and Geology), which consists primarily of sands and gravels that were deposited in coalescing alluvial fans along the base of the San Gabriel Mountains. These alluvial fan deposits are believed to be up to 1,100 feet thick locally. The San Gabriel Mountains, as well as the basement rocks underlying the alluvium, are composed primarily of Pre-Tertiary igneous and metamorphic rocks. Based on previous site investigations (PEG, 1999; ERT, 1988), soil at the site consists primarily of interbedded silts and sands, some of which are gravelly.

6.2 Factors Related to Water Pathways

Based on previously reported information at the nearby Ameron facility (Hemphill, Green & Associates, 1994), groundwater in the site vicinity is present in laterally extensive regional aquifers that occur within the valley fill and the inferred direction of groundwater flow in the area is to the southwest. According to the Santa Ana Regional Water Quality Control Board, the site is located in the Chino I Ground Water Sub-basin.

The beneficial uses of the groundwater in the Sub-basin are municipal and domestic supply, agricultural supply, industrial service supply, and industrial process supply (Order No. 82-142, Ameron Pipe Division).

Based on information provided by the Cucamonga Water District, the depth to groundwater (measured in January 1993) in a well located approximately 1.5 miles northeast of the site was 458 feet below ground surface. In addition, environmental assessments at the former Kaiser Steel site located east of the Fontana Steel facility encountered groundwater at depths ranging from 300 to 400 feet below ground surface.

Stormwater runoff at the site flows from north to south. In an agreement between Tamco Steel and the City of Rancho Cucamonga dated September 15, 1988, Tamco "agrees to accept the drainage water, which will be discharged in a sheet-flow manner, from Parcel 1 of Parcel Map 7847" (Note: Parcel 1 is the Fontana Steel facility). Thus, stormwater runoff from the Fontana Steel facility flows south through nine shallow concrete drains onto the neighboring Tamco Steel property.

As required by California regulations, Fontana Steel has a Storm Water Pollution Prevention Plan (SWPPP) that includes a runoff monitoring and sampling plan for runoff. The sampling points are located along the southern boundary of the site at the fence line between Fontana Steel and Tamco.

Based on preceding information, groundwater in site vicinity reportedly occurs at depths greater than 300 feet below ground surface. Perched groundwater was not encountered during the PEA investigation nor in borings previously drilled in the site vicinity. Given the considerable depth to groundwater and the fact that perched groundwater was not encountered, the likelihood of vadose zone transport of inorganic COPCs to groundwater beneath the site is judged remote. Furthermore, there are no groundwater wells present at the site or in the immediate vicinity. For these reasons, the potential pathway for COPCs via groundwater is considered incomplete.

Neither historical or present-day impacts to surface water were identified or reported during previous site reconnaissance or site background research. As noted above, stormwater runoff is conveyed to the neighboring Tamco facility to the south. Based on this information and considering the effect of the imported fill that presently overlies the former disposal trenches, the likelihood of impacts to surface water by site contaminants that may be present in soil or trench backfill is judged to be low; similarly, the potential

for worker exposure to impacted surface water is believed to be low. For these reasons, the surface-water pathway is judged to be incomplete.

6.3 Factors Related to Air Pathways

The *PEA Guidance Manual* (DTSC, 1999) requires that incremental risk/hazard due to the air pathway be calculated. Although the COPCs for the Fontana Steel facility (i.e., metals) are not volatile, metals present in site soil could, in theory, be spread by the air pathway as fugitive dust. Although the PEA process assumes future unrestricted land use with no soil cover, the mitigating effects of present-day buildings, paved areas, imported earthen cover, and landscaping are discussed in Section 8.6.

7.0 Sampling Activities and Results

The overall objective of the PEA field program was to further characterize metals in soil near the former trenches or in the associated slag backfill. In addition, undisturbed soil samples were collected from the north part of the site (at locations well set-back from historical site operations) to establish background metals concentrations. During the PEA field program, the following samples were collected for laboratory analysis:

Eight (8) soil samples from 7 soil boring locations were collected and analyzed for the following: California Code of Regulations (CCR) Title 22 metals (EPA Methods 6010B and 7471A) and hexavalent chromium (EPA Method 7199)

Four (4) on-site background soil samples were collected from the northern and western perimeter of the site and analyzed for Title 22 metals (EPA Methods 6010B and 7471A).

In general, the soil samples were collected in accordance with the DTSC-approved *PEA Work Plan* (IT, 2001). Exceptions to the specified sample locations or sampling procedures are summarized below:

- Due to the presence of subsurface electrical lines that had been identified by facility personnel, soil boring B-19 was relocated approximately 40 feet north of its original proposed location.

Because slag was not encountered in the uppermost 13 feet in boring B-19, a second boring (B-19A) was drilled at a location approximately 20 feet northwest of B-19 (Figure 2). A shallow soil sample was collected from boring B-19 and a slag sample was collected from boring B-19A.

7.1 Soil Matrix Sampling

On March 13, 2001, eight subsurface soil and slag samples were collected from seven on-site soil borings (B-15 through B-20) whose locations are shown on Figure 2. The boring locations were selected to provide additional data concerning metals in shallow soil and backfill near the former trenches.

Sample locations are shown on Figure 2 and the sample depths are summarized in Table 2. Samples were generally collected at depths ranging from 1.5 feet to 11.5 feet below ground surface. A truck-mounted CME-75 drill rig, equipped with 8-inch diameter hollow-stem augers, was used to collect soil samples in a 2.5-inch diameter split-spoon sampler equipped with brass sleeves.

7.1.1 Site Soil

Based on the soil borings that were drilled and logged during the PEA investigation, the shallow stratigraphy near the former trenches is composed of brown, sandy gravel with cobbles that extends from the surface to approximately 3 feet below ground surface. Beyond the depth of 3 feet below ground surface, these shallow gravels typically grade into brown, fine to medium grained, gravelly sand that extends to an approximate depth of 10 feet. At soil boring B-18, the sand and sandy gravel (which likely represents imported fill) is underlain by slag that extends to at least 13 feet below ground surface (the total depth explored during this investigation). Based on the combined data from the PEA investigation and the previous 1999 site assessment (PEG, 1999), the top of the slag backfill typically occurs between the depths of 6 to 10 feet below ground surface. Above that depth, the excavated trenches appear to have been covered with sand and sandy gravel imported fill. Boring logs for the PEA field program are presented as Appendix B.

7.1.2 Laboratory Analysis and Results

Soil destined for laboratory analysis was retained in six-inch brass sleeves, capped with plastic end-caps lined with Teflon™ tape, and stored on ice pending transport to Del Mar Analytical, an off-site State-certified laboratory.

Soil samples were analyzed for the Title 22 metals (EPA Methods 6010B and 7471A) and hexavalent chromium (EPA Method 7199). The analytical results from the PEA investigation as well as the analytical data from previous site assessments are summarized in Table 2. Laboratory reports are presented as Appendix C.

Soil samples B-15 (1.5'), B-16 (1.5'), B-17 (1.5'), B-18 (1.5' and 11.5'), B-19 (1.5'), B-19A (7.5'), and B-20 (1.5') were analyzed for Title 22 metals and hexavalent chromium. Most metals were present in detectable concentrations in one or more of these samples. Antimony, beryllium, molybdenum, silver, and thallium were non-detect in all samples collected during this investigation. The concentrations for detected metals includes: arsenic (8.8 milligrams per kilograms [mg/kg]), barium (84 to 500 mg/kg), cadmium (11 mg/kg), total chromium (9.8 to 1,200 mg/kg), hexavalent chromium (0.39 to 2.0 mg/kg), cobalt (3.3 to 7.4 mg/kg), copper (6.6 to 110 mg/kg), lead (4.3 to 480 mg/kg), mercury (0.036 mg/kg), nickel (6.5 to 38 mg/kg), selenium (10 mg/kg), vanadium (29 to 200 mg/kg), and zinc (20 to 2,200 mg/kg. The significance of detectable metals in site soils in the context of background concentrations is discussed in Section 8.2.1.

In addition to soil sampling near the former trenches, background hand-auger soil samples were collected from four on-site locations where anthropogenic impacts were least likely, given current and historic site operations (Figure 2). Background soil samples were collected from a depth of approximately one-foot below ground surface. During sampling, careful attention was paid to identifying native soil. Background sample locations are shown on Figure 2, the analytical results for on-site background samples as well as background data from the Kaiser Steel site are summarized in Table 3, and chain-of-custody records are reproduced in Appendix D. Background samples are discussed further in Section 8.2.1.

7.2 Data Evaluation and Quality Control

This section describes data evaluation procedures including field and laboratory QC measures that were used to evaluate precision, accuracy, representativeness, completeness, and comparability (PARCC).

As an initial step, the chain-of-custody records and certified laboratory analyses were scrutinized to ensure that the correct analytical methods were employed (i.e., US EPA Method 6010B for antimony, arsenic, barium, beryllium, cadmium, total chromium, cobalt, copper, lead, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc; U.S. EPA Method 7471A for mercury; and US EPA Method 7199 for Cr^{6+}). Next, the laboratory reports were examined to ensure that the method-specified holding times and the project-specified reporting limits were adhered to.

To evaluate analytical precision and accuracy, results for laboratory control samples (LCS), method blanks, and laboratory matrix spike/matrix spike duplicates (MS/MSDs) were reviewed. Method blanks results were non-detect in all instances and LCS spike recoveries lay within prescribed limits. MS/MSD precision, as measured by relative percent difference (RPD), was acceptable in all but one instance (lead in the 04/19/01 MS which was ascribed to matrix interference effects). Matrix interferences also were manifest as recovery excursions for antimony and barium in this MS/MSD pair. Recoveries and RPDs for the 04/30/01 MS/MSD pair all lay within acceptance limits.

Representativeness expresses the degree to which sample data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter that is most concerned with the proper design of the sampling program. The criterion was satisfied by ensuring the selection of the proper number of samples and appropriate sample

locations. These considerations were factored into the PEA work plan (IT, 2001), which was reviewed and approved by the DTSC. Based on the foregoing, IT concluded that the data presented in this PEA report are representative of the environmental conditions of the site, as characterized through selected samples.

Completeness was determined by calculating the number of valid measurements (or results) for each matrix and analyte combination. A valid result is one that has not been "R" qualified. A particular set of data is considered complete if, at a minimum, 90 percent of soil samples meet the completeness criterion. Because no data related to this PEA were rejected, the completeness criteria was satisfied.

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. Sample data should be comparable with other measurements for similar samples and sample conditions. The objective of the QA/QC program is to produce data with the greatest achievable degree of comparability. The number of matrices sampled and the range of field conditions encountered are considered in determining comparability. Comparability is achieved by using standard methods for sampling and analysis, reporting data in standard units, normalizing results to standard conditions, and using standard and comprehensive reporting formats. No significant deviations from these protocols were reported and the PEA data is considered to meet comparability criteria. Based on the aforementioned internal data review, the data collected in support of the Fontana Steel PEA are acceptable and useable as qualified in the tables presented herein.

7.3 Management of Investigation-Derived Waste

The analytical results for soil samples, combined with the results of supplemental waste characterization tests, were used to profile the investigation-derived waste (IDW) generated during the PEA field program. The IDW was transported off-site to Filter Recycling Services, Inc., a State-permitted treatment and disposal facility in Rialto, California.

8.0 Human Health Screening Evaluation

The following health risk screening was conducted in accordance with the *PEA Guidance Manual* (DTSC, 1999) procedures for human health evaluation and current EPA risk assessment guidance (EPA, 1989). According to DTSC, the goal of the screening process is to provide risk managers with an estimate of the potential chronic health hazards from chemicals at a site. Because of the simplified nature of the exposure assumptions built into the PEA, the results are not an absolute measure of the risks or hazards at a site, but rather health-protective estimates. The PEA results may overestimate risks/hazards even to the most highly exposed residents. For reasons discussed later in this section, the actual risks and hazards at the site are likely to be lower. Consequently, if the PEA results indicate that cancer risks are acceptable and non-carcinogenic health hazards are below levels of concern, further risk assessment or investigation is generally not warranted. The following sections discuss the potential human health risks via exposure to COPCs in site soil at the site.

8.1 Exposure Pathways and Media of Concern

The PEA analytical results revealed that the COPCs and affected media at the site consist of metals in soil. As indicated in the conceptual site model (Figure 3), the primary source for the COPCs is residues in soil adjacent to the former disposal trenches or the trench backfill itself. Potential exposure routes include incidental ingestion of soil, inhalation of fugitive dust, and dermal contact. Dermal contact is considered to be a minor pathway for exposure to metals.

Based on the available data, groundwater appears to be present at depths between 300 and 400 feet below ground surface at the site. Impacts to surface water or groundwater were not identified during the site reconnaissance or PEA field work; residential and worker exposure to surface water and groundwater would be non-existent to minimal. The water pathway is judged to be incomplete; therefore, groundwater was not evaluated further as a potential pathway.

The primary population of concern implicit in the PEA process are residents living on the site. By default, residential exposure factors are utilized throughout the risk calculations, which tends to yield conservative estimates. In reality, the present-day and anticipated future receptors at the Fontana Steel facility are workers, specifically those engaged in deeper construction-related excavation. These site workers will have different exposure

factors compared to hypothetical site residents – their potential exposure will generally be shorter and less frequent. Estimated risk and hazard under a commercial/industrial exposure scenario (also referred to as occupational exposure) is evaluated in Section 8.5.

8.2 Chemicals of Potential Concern and Exposure Point Concentrations

The methodology used to determine the COPCs is described in Section 8.2.1 - Chemicals of Potential Concern for Soil Pathways and Section 8.2.2 - Lead Exposure Assessment.

8.2.1 Chemicals of Potential Concern for Soil Pathways

The following soil exposure pathways for future residents and workers were identified at the site: inhalation of fugitive dust, dermal contact, and incidental ingestion of soil. The identified COPCs consisted of metals that were present above background levels. As specified in the PEA, the site was defined as a 300-foot by 300-foot area where burial of electric arc furnace dust occurred in the past. Maximum concentrations for each chemical were identified in the soil samples that were collected in the depth interval 0 to 10 feet below ground surface (depths where human contact could occur) as specified in the *PEA Work Plan* (IT, 2001). PEA soil sample analytical results are summarized in Table 2.

Based on the selection criteria, nine metals were retained for evaluation in the health screening. As part of the PEA investigation, 10 on-site soil samples and four background soil samples were collected between 0 and 10 feet below ground surface. Below this depth, future human contact (i.e., construction excavation) is unlikely and the probability of worker exposure is low.

67 background soil samples from the Operable Unit No. 3 (West Slag Pile) at the Kaiser Steel site, located approximately 1.5 miles southeast of the site, were included in the evaluation of background metal concentrations. Many of the metals detected appear to be localized, as illustrated by the maximum detected concentrations for seven metals (Table 4) found in the 1.5 foot sample from boring B-19.

To establish background concentrations for metals in soil, shallow soil samples were collected on-site at locations set-back more than 100 feet from present-day or historical operations. These data were compiled with additional soil samples from Operable Unit No. 3 (West Slag Pile) at the Kaiser Steel site, which is similar to the site geologic and

hydrogeologic setting. Background sample locations are shown on Figure 2 and the analytical results are summarized in Table 3.

Metal concentrations in on-site soil were compared to those concentrations found in background soil in accordance with the *PEA Guidance Manual* (DTSC, 1999). Table 4 presents the minimum, maximum, and average background concentrations; the average and maximum detected concentrations for on-site soil samples; and maximum detection sample depth and location. Metal concentrations in soil samples from the site were considered to lie within the background range if either the maximum or the average detected on-site concentrations were less than the maximum background concentration.

The first step in this approach was to compare the maximum on-site concentration with the maximum background concentration. The second step was to compare the average on-site concentration with the maximum background concentration. Using the data provided in Table 4, these steps eliminated arsenic, barium, beryllium, cobalt, and nickel from consideration as COPCs.

Per the *PEA Guidance Manual* (DTSC, 1999), lead was evaluated using the DTSC's *Leadspread Version 7* model (DTSC, 2000); the results are discussed in Sections 8.2.2 and 8.4.3.

As a result of the screening and identification of COPCs, nine metals were included in the PEA risk/hazard evaluation for dermal exposure to soil, incidental ingestion of soil, and inhalation of fugitive dust. A summary of the COPCs is presented in Table 5, and the results of the evaluation are discussed in Section 8.4.1. The evaluation of risk and hazard for the inhalation pathway was based on exposure to fugitive dust for non-VOCs.

8.2.2 Lead Exposure Assessment

Lead in air, soil, and (drinking) water was evaluated for the site using the current version (Version 7) of the *Leadspread* lead risk assessment spreadsheet (DTSC, 2000) (Table 6). Although drinking water was not sampled, it was assumed that the lead concentration in drinking water would be equal to the maximum contaminant level (MCL) (15 micrograms per liter [µg/L]). Consequently, the MCL was used as input to the model. SCAQMD air quality data (SCAQMD, 2001) for Air Station #32 (located in northwest San Bernardino Valley and representing the closest station with lead data), reported a monthly and quarterly average lead concentration for the year 2000 of 0.07 micrograms per cubic meter (µg/m^3) and 0.05 µg/m^3, respectively. Both values are

above the model default value of 0.028 $\mu g/m^3$. Therefore, the quarterly average of 0.05 $\mu g/m^3$ was utilized in the model as the more relevant concentration. The maximum detected concentration for lead in soil was 480 mg/kg (B-19-1.5). With the exceptions noted, the default exposure values for the *Leadspread* model were used. The results of *Leadspread* modeling are discussed further in Section 8.4.2.

8.3 Toxicity Values

Standard reference sources mentioned in the *PEA Guidance Manual* (DTSC, 1999) were researched for toxicity information. This included toxicity information available through the Office of Environmental Health and Hazard Assessment (OEHHA, 2001), the Integrated Risk Information System (IRIS) (EPA, 2001a), the Agency for Toxic Substances and Disease Registry (ATSDR, 2001), and the Hazardous Substances Data Bank (HSDB) (TOXNET, 2001).

Dermal absorption fraction values for organic chemicals and metals in soil were taken from Table 2 of the *PEA Guidance Manual* (DTSC, 1999). Toxicity values for chemicals that were evaluated are shown in Tables 5, 9, and 10.

Cancer slope factors (SFs), oral and inhalation reference doses (RfD_o and RfD_i, respectively), and reference concentrations (RfCs) were obtained according to the following hierarchy of sources:

- For carcinogens, California-specific oral and inhalation cancer slope factors (SF_o and SF_i, respectively) and unit risk factors (URFs) were obtained from the DTSC OEHHA cancer potency factors (OEHHA, 2001). If a URF value was not available from these sources, one was obtained by converting the SF_i value by multiplying by 20 m^3/day and dividing by 70 kg (EPA, 2001b).
- For noncarcinogens, RfD_o or RfD_i values (if available) were obtained from the OEHHA Toxicity Criteria Database Search, IRIS, TPH Working Group Reports, the National Center for Environmental Assessment (NCEA), or Health Effects Assessment Summary Tables (HEAST). RfC values were obtained from IRIS, HEAST, and the Association for Environmental Health of Soils (AEHS). RfC values were also obtained by converting RfD_i values by dividing by 20 m^3/day and multiplying by 70 kg (EPA, 2001b).
- For noncarcinogens that did not have an RfD_i listed in the aforementioned sources, OEHHA's chronic reference exposure levels (RELs) were used to determine an RfD_i, or the RfD_o for the chemical was used as the RfD_i in a cross-route extrapolation.

8.4 Residential Risk and Hazard Characterization Summary

Carcinogenic risk from both soil and soil gas is estimated as the incremental probability of an individual developing cancer over a lifetime as a result of exposure to one or more of the COPCs. The noncarcinogenic health hazard (expressed as the hazard quotient) is estimated by comparing the estimated exposure levels with the exposure level at which no adverse health effects are expected to occur as a result of chronic exposure (i.e., RfD_o and RfC). Human health risk and hazard index evaluations were performed in accordance with the *PEA Guidance Manual* (DTSC, 1999). Individual chemical cancer risks were estimated for soil using the following simplified equations that were based on the reduced equations in the PEA guidance:

For dermal contact and oral ingestion:

$$Risk_{soil} = (SF_o * C_s * 1.57x10^{-6}) + (SF_o * C_s * 1.87x10^{-5} * ABS)$$

Where:
- SF_o = Oral slope factor
- C_s = Concentration in soil
- ABS = Skin absorption factor

For inhalation of dust:

$$Risk_{soil} = SF_i * C_a * 0.149$$

Where:
- SF_i = Inhalation slope factor
- C_a = Concentration in air ($C_a=C_s/PEF$)
- C_s = Concentration in soil
- PEF = Particulate emission factor, m^3/kg (DTSC, 2001)

A total estimated carcinogenic risk was determined by summing the individual cancer risks. The health risk results were compared to the DTSC and EPA *de minimis* and maximum acceptable risk ranges of one in one million (10^{-6}) to one in ten thousand (10^{-4}), respectively. Risks between $1x10^{-6}$ and $1x10^{-4}$ define a discretionary range where risk managers balance risks with other criteria in assessing the need for mitigation.

Individual chemical noncarcinogenic hazard quotients for soil were estimated using the following PEA equations:

For dermal contact and oral ingestion:

$$Hazard_{soil} = (C_s/RfD_o * 1.28x10^{-5}) + (C_s/RfD_o * 1.28x10^{-4} * ABS)$$

Where: C_s = Concentration in soil
RfD_o = Oral reference dose
ABS = Skin absorption factor

For inhalation of dust:

$$Hazard_{soil} = (C_a/RfD_i) * 0.639$$

Where: C_a = Concentration in air
RfD_i = Inhalation reference dose

Once the compound-specific hazards were calculated, a hazard index was developed as the sum of the individual hazard quotients. The hazard index then was compared to the threshold value of 1.0.

8.4.1 Cumulative Residential Risk and Hazard

For the purposes of the PEA, cumulative cancer risk and hazard appear to be restricted to the presence of metals in soil. Three soil exposure pathways were evaluated at the site: inhalation of fugitive dust, dermal contact, and incidental ingestion of soil utilizing the maximum concentration for each of the metals.

The sum of carcinogenic risks for the soil pathway is $7x10^{-6}$ (Table 5). This estimated cancer risk slightly exceeds the $1x10^{-6}$ risk threshold, and is primarily due to dermal contact and incidental ingestion of soil containing cadmium. Estimated cancer risk was based on maximum detected concentrations in soil rather than average detected concentrations.

The hazard index at the site was 0.9 (Table 5), which is slightly below the hazard index threshold criterion of 1.0. These results suggest that chronic noncarcinogenic health effects are not anticipated, even for a resident living at the site.

8.4.2 Lead-Related Risk

The maximum detected lead concentration in soil was 480 mg/kg in the 1.5-foot sample from soil boring B-19. Modeling results are presented in Table 6. The *Leadspread* model predicted blood-lead concentrations of approximately 4.8 micrograms per deciliter

(μg/dL) for the 99th percentile of adults. Additionally, the model also predicted that the 99th percentile blood-lead levels for non-pica children will be 14.8 μg/dL. Although the predicted blood lead levels for children lie above the 10 μg/dL action level (ATDSR, 1990), the current and anticipated future land use at the site (i.e., industrial) precludes exposure to lead by children. In contrast, the predicted blood lead level for adult receptors (a more plausible receptor given the use of the site) lies below the 10 μg/dL threshold.

8.5 Occupational Risk and Hazard Characterization Summary

The three exposure routes that are considered potentially complete for the occupational receptor population are incidental ingestion of soil, soil dermal contact, and soil particulate inhalation. In this section, pathway-specific doses are estimated for each receptor using DTSC-approved values for the exposure factors (Table 7), which includes such variables as intake rate, exposure frequency, and exposure duration. The resulting chemical dose estimates are in units of milligrams per kilogram body weight per day (mg/kg-day). These doses are integrated with chemical toxicity information to estimate potential effects. Based on the mechanism of toxicity, different measures of dose have been estimated for carcinogenic risk and noncarcinogenic hazard estimates.

For the purposes of risk assessment, carcinogens are believed not to have a threshold, that is, any exposure is likely to increase an individual's potential to develop cancer over his or her lifetime. The Lifetime Average Daily Dose (LADD) has been estimated to characterize carcinogenic effects. Noncarcinogenic chemicals are believed to have thresholds, that is, there is a chronic daily dose above which adverse health effects are likely to occur. To characterize noncarcinogenic effects, the Average Daily Dose (ADD) for each pathway has been estimated.

The following equations have been used to estimate doses via inhalation of particulates in breathing air:

$$LADD_{inh} = ((C_a/PEF)*IR*EF*ED)/(BW*AT_c)$$

$$ADD_{inh} = ((C_a/PEF)*IR*EF*ED)/(BW*AT_{nc})$$

Where:

C_a = Concentration of fugitive dust of chemicals in air, mg/kg soil

PEF = Particulate emission factor, m^3/kg

IR = Inhalation rate, m^3 air/hour
EF = Exposure frequency, days/year
ED = Exposure duration, years
BW = Body weight, kg body weight
AT_c = Averaging time, days, for carcinogenic endpoint assessment, and
AT_{nc} = Averaging time, days, for noncarcinogenic endpoint assessment.

The averaging time has been set equal to exposure duration multiplied by 365 days/year for ADD calculations and 25,550 days based on an EPA (1989) definition, for LADD calculations.

The following equations have been used to estimate doses via incidental ingestion of soil:

$$LADD_{ing} = (C_s * SI * EF * ED)/(BW_c * AT_c)$$
$$ADD_{ing} = (C_s * SI * EF * ED)/(BW_{nc} * AT_{nc})$$

Where:

C_s = Concentration of chemical in soil, mg/kg
SI = Soil ingestion rate, kg soil/day

The following equation has been used to estimate doses via skin contact with soil:

$$LADD_{skin} = (C_s * SA * AF * ABS * EF * ED)/(BW * AT_c)$$
$$ADD_{skin} = (C_s * SA * AF * ABS * EF * ED)/(BW * AT_{nc})$$

Where:

SA = Exposed skin surface area available for contact, cm^2/day
AF = Soil-to-skin adherence factor, kg soil/cm^2 skin area
ABS = Dermal absorption factor for chemical, unitless

The cancer risk is the product of the calculated LADD and the SF:

$$Risk = LADD * SF$$

The SF_o was used to characterize oral and dermal exposures, pursuant to EPA (1989) guidance. The SF_i was used to characterize hazards via the inhalation pathway. If an inhalation slope factor was not available, a route-to-route extrapolation of the slope factor was used if this was assumed to be appropriate as documented in the PRG tables (EPA, 1999). In addition to calculating cancer risk for individual chemicals, cumulative risks have been calculated by assuming that effects of each chemical are additive, regardless of the target organs for each chemical.

The noncarcinogenic hazards were evaluated by the calculation of a hazard quotient (HQ) The HQ is the ratio of the calculated ADD to the RfD:

$$HQ = ADD / RfD$$

The RfD_o was used to characterize oral and dermal exposures following EPA (1989) guidance, and the RfD_i was used to characterize hazards via the inhalation pathway. If an RfD_i was not available, a route-to-route extrapolation of the RfD_o was used, if this was assumed to be appropriate.

In addition to calculating HQs, a hazard index (HI) was calculated by summing the individual HQ's regardless of the toxicity mechanism and target organs for each chemical. An HQ or HI less than or equal to 1 indicates that adverse health effects are not expected to occur (EPA, 1989). An HQ or HI greater than 1 indicates only that further evaluation is warranted and does not necessarily mean that adverse health effects will occur

Table 7 provides the exposure factors used in this PEA for the evaluation of occupational risks and hazards. Table 8 provides the LADD and ADD estimates for workers at the site

8.5.1 Cumulative Occupational Risk and Hazard

The projected cancer risk for occupational exposures to on-site workers is $9x10^{-7}$ (Table 9), which is below the *de minimus* level of $1x10^{-6}$ The hazard index for site workers is 0 05 (Table 10) These results suggest that carcinogenic or noncarcinogenic health effects are not expected to occur to individuals working at the Fontana Steel site as a result of exposure to the metals in the soil.

8.6 Uncertainty Analysis

As stated in the *PEA Guidance Manual,* the purpose of the human health screening evaluation is not to predict individual health risks but to provide risk managers with an estimate of the potential chronic health hazards from chemicals at the site There are multiple sources of uncertainty in the risk and hazard estimates presented in this PEA, many of which are inherent to the amount of scientific knowledge and to the risk assessment process. The estimated values involve uncertainties that stem from modeled COPC concentrations; assumptions for model input variables such as exposure duration,

intake rates, soil type, and additional site-specific variables that influence health risk estimates.

If the site-specific data was incomplete, health-protective values were selected for input to estimate the risk and hazard from the soil pathway. The underlying assumptions in the PEA tend to overestimate risk/hazard even to the most highly exposed residents. The use of maximum concentrations and residential exposure parameters (when in fact, the receptors are workers whose exposures are typically shorter and less frequent) also serves to overestimate risk/hazard at the Fontana Steel site. Potential exposure to fugitive dust is likely overstated, because inhalation of fugitive, metals-bearing dust is mitigated by the cover provided by contemporary buildings and pavement, and the imported fill that presently overlies the former disposal trenches. Nevertheless, the air pathway involving inhalation of fugitive dust could be complete if deeper excavations were performed in the vicinity of the former trenches.

Most of the toxicity data used to characterize risks is based on studies in animals and/or occupational exposures that involve exposures to multiple chemicals. It is assumed that the effects and potencies of chemicals in humans are similar to those found in animals used for toxicological research. The technical approaches used in this screening risk assessment have been designed to compensate for those uncertainties to the extent possible (i.e., the assumptions and approaches used are designed to overestimate potential exposures and health effects), rather than underestimate risks.

In calculating the dermal contact and ingestion risk and hazard, the dermal absorption factors listed in the *PEA Guidance Manual* (DTSC, 1999) were utilized for all detected compounds in soil. Recent EPA guidance, as cited in the Region IX PRG document, no longer recommends dermal absorption factors for inorganic chemicals in soil. These factors were nevertheless utilized based on DTSC guidance for PEAs.

9.0 Ecological Screening Evaluation

The Fontana Steel, Inc. site is located in a largely developed, industrial area in the southeast part of the city of Rancho Cucamonga, California. The majority of the land use surrounding the site is industrial, including steel mills, steel and concrete pipe and wire products manufacturers, bulk gas distributors, and bulk liquid and grain recyclers. An undeveloped parcel lies north of the site across Arrow Route and is currently for sale and is zoned for commercial/industrial development. The nature and history of the site, when considered with that of the surrounding industrial neighborhood, preclude the presence of significant wildlife habitats or sensitive, endangered, or threatened flora or fauna.

10.0 Community Profile

The purpose of the community profile was to assess community concerns about the investigation of environmental conditions at the Fontana Steel facility. To accomplish this objective, the following tasks were implemented during the PEA:

- Development of a PEA informational letter describing the sited background and PEA objectives
- Compilation of a mailing list for distribution of the PEA letter
- Distribution of the initial PEA informational letter
- Telephone survey of neighboring property owners

Collection and review of the recipient's responses

The PEA letter identified the agency involved in the investigation (i.e., the DTSC); presented background information regarding the use, characterization, and remediation of the former dust disposal trenches; briefly described the proposed soil sampling; and discussed the PEA human health screening process. The letter also indicated that concerned or interested citizens can review copies of the PEA results and/or final report at the DTSC's Cypress, California office. Two forms were attached to the letter encouraging the recipients to identify their concerns, languages spoken, and level of interest in the project.

In June 2001, the PEA letter was mailed to over 400 recipients, including elected officials, the nearby residents of an apartment complex, and businesses located within a 2- to 3-block radius of the site. As of June 28, 2001, the DTSC had received two responses from the recipients. One phone call was from an apartment resident who was house shopping and wanted to obtain information regarding the environmental condition of properties in the area. The second caller was a journalist with the Inland Empire Business Journal; he requested additional information and expressed an interest in writing a newspaper article applauding Fontana Steel's proactive approach to site assessment and remediation.

The telephone survey of neighboring property owners was conducted on July 12 and 17, 2001; save for a request to mail an additional copy of the letter, no new issues or concerns were raised during the interviews

11.0 Conclusions and Recommendations

The following sections present the conclusions and recommendations of the PEA performed for the Fontana Steel site

11.1 Conclusions

Taken as a whole, the data gathered during background research, site reconnaissance, and soil sampling and analysis during the PEA were sufficient to perform a screening level health risk assessment for the site. Potential exposure pathways associated with soil (including dermal contact, incidental ingestion, and inhalation of fugitive dust) were evaluated during this process. The conclusions arising from the health screening are summarized below:

- Based on the selection criteria, nine metals including cadmium, total chromium, hexavalent chromium, copper, lead, mercury, selenium, vanadium, and zinc were retained for evaluation in the health screening
- Using the default residential exposure parameters, the sum of carcinogenic risks for the soil pathway is 7×10^{-6}, which slightly exceeds the de minimus value of 1×10^{-6}. Soil risks exceeding 1×10^{-6}, which represents the lower end of the US EPA discretionary range of 1×10^{-6} to 1×10^{-4}, are attributable to dermal contact and incidental ingestion of soil. The hazard index for all soil pathways is 0.9, which is less than the benchmark threshold of 1.0.
- Using DTSC-approved commercial/industrial exposure parameters, the sum of carcinogenic risks for the soil pathway is 9×10^{-7}, which lies well below the USEPA's de minimus value of 1×10^{-6} Under the commercial/industrial scenario, the hazard index for all soil pathways is 0 05, well below the benchmark threshold of 1.0.

The *Leadspread* model predicted blood-lead concentrations for the 99th percentile of adults and non-pica children; the predicted concentrations were 4.8 µg/dL and 14.8 µg/dL, respectively. Although the predicted blood lead levels for non-pica children lies above the 10 µg/dL action level (ATDSR, 1990), the current and anticipated future land use at the site (i.e., industrial) precludes exposure to lead by children. In contrast, the predicted blood lead level for adult receptors (a more plausible receptor given the use of the site) lies below the 10 µg/dL threshold.

11.2 Recommendations

Based on the PEA screening assessment, and employing a commercial/industrial exposure scenario, the health risk and hazard associated with inorganic COPCs in soil

and backfill at the site are within acceptable levels and no further investigation or remedial action is recommended. The commercial/industrial exposure scenario best reflects the current and anticipated future land use at the site, and the associated exposure potential. Furthermore, the commercial/industrial scenario comports with the neighboring land use, zoning restrictions, and present-day pattern of development in the site vicinity.

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Tables

Table 1
Analytical Summary - Trench Remediation Samples
Fontana Steel, Inc.

Sample I.D.	Concentration (mg/kg)																
	Sb	As	Ba	Be	Cd	Cr (total)	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
Misc. Samples:																	
Background-1	NA	NA	NA	NA	0.6	NA	NA	NA	20	NA	NA	NA	NA	NA	NA	NA	82.5
Background-2	NA	NA	NA	NA	5.3	NA	NA	NA	87	NA	NA	NA	NA	NA	NA	NA	875
Cl. Stockpile	NA	NA	NA	NA	14.2	NA	NA	NA	370	NA	NA	NA	NA	NA	NA	NA	3,150
Island-1	NA	NA	NA	NA	47	NA	NA	NA	1,470	NA	NA	NA	NA	NA	NA	NA	13,500
Island-1-R[1]	NA	NA	NA	NA	0.8	NA	NA	NA	29.2	NA	NA	NA	NA	NA	NA	NA	236
Slag-1	NA	NA	NA	NA	1.2	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	NA	310
Slag-2	NA	NA	NA	NA	3.0	NA	NA	NA	105	NA	NA	NA	NA	NA	NA	NA	845
West Trench:																	
Bottom-1-1-1	NA	NA	NA	NA	11.2	NA	NA	NA	440	NA	NA	NA	NA	NA	NA	NA	3,550
Bottom-1-1-3	NA	NA	NA	NA	5.7	NA	NA	NA	186	NA	NA	NA	NA	NA	NA	NA	1,700
Bottom-1-1-3	NA	NA	NA	NA	4.3	NA	NA	NA	139	NA	NA	NA	NA	NA	NA	NA	1,260
Bottom-1-1-1	NA	NA	NA	NA	3.9	NA	NA	NA	1,289	NA	NA	NA	NA	NA	NA	NA	1,160
E. Side-1-4-1	NA	NA	NA	NA	1.3	NA	NA	NA	48.5	NA	NA	NA	NA	NA	NA	NA	370
W. Side-1-5-2	NA	NA	NA	NA	0.2	NA	NA	NA	3.1	NA	NA	NA	NA	NA	NA	NA	44.5
N. End-1-3-2	NA	NA	NA	NA	0.5	NA	NA	NA	19.3	NA	NA	NA	NA	NA	NA	NA	185
S. End-1-2-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,170
Center Trench:																	
Bottom-2-1-1	ND(<2.0)	NA	NA	0.1	19.2	NA	6.8	42.1	595	NA	NA	10	NA	0.5	4.0	NA	4,800
Bottom-2-1-1	NA	NA	NA	NA	3.0	NA	NA	NA	94.8	NA	NA	NA	NA	NA	NA	NA	877
Bottom-2-1-3	ND(<2.0)	NA	NA	0.2	16.3	NA	6.8	36.9	480	NA	NA	9.5	NA	0.4	4.0	NA	3,900
Bottom-2-1-3d	ND(<2.0)	NA	NA	0.2	17.6	NA	6.6	40.2	450	NA	NA	10	NA	0.6	4.5	NA	4,250
Bottom-2-1-3	NA	NA	NA	NA	4.6	NA	NA	NA	146	NA	NA	NA	NA	NA	NA	NA	1,500
Bottom-2-1-3d	NA	NA	NA	NA	4.7	NA	NA	NA	150	NA	NA	NA	NA	NA	NA	NA	1,500
Bottom-2-1-5	ND(<2.0)	NA	NA	0.2	3.0	NA	9.4	13.9	74	NA	NA	7.5	NA	0.4	8.0	NA	660
Bottom-2-1-5	NA	NA	NA	NA	11.5	NA	NA	NA	395	NA	NA	NA	NA	NA	NA	NA	3,940
E. Side-2-4-1	ND(<2.0)	NA	NA	0.1	9.2	NA	4.8	21.2	260	NA	NA	6.5	NA	0.8	3.5	NA	2,450
E. Side-2-4-3	ND(<2.0)	NA	NA	0.2	0.3	NA	5.8	6.9	7.5	NA	NA	6.0	NA	0.2	4.0	NA	72.5
W. Side-2-5-1	ND(<2.0)	NA	NA	0.1	0.1	NA	5.4	6.1	4.5	NA	NA	6.5	NA	0.1	3.0	NA	43.5
W. Side-2-5-2	ND(<2.0)	NA	NA	0.1	0.1	NA	6.0	6.1	3.0	NA	NA	6.0	NA	0.1	3.0	NA	38.5
N. End-2-3-1	ND(<2.0)	NA	NA	0.2	67	NA	8.0	113	1,590	NA	NA	18	NA	0.6	6.0	NA	12,500
N. End-2-3-1	NA	NA	NA	NA	9.5	NA	NA	NA	285	NA	NA	NA	NA	NA	NA	NA	2,740
N. End-2-3-3	NA	NA	NA	NA	0.9	NA	NA	NA	27	NA	NA	NA	NA	NA	NA	NA	240
S. End-2-2-1	ND(<2.0)	NA	NA	0.2	7.7	NA	6.6	22.7	197	NA	NA	9.0	NA	NA	4.5	NA	2,050
East Trench:																	
Bottom-3-1-3	NA	NA	NA	NA	10	NA	NA	NA	326	NA	NA	NA	NA	NA	NA	NA	2,860
Bottom-3-1-3d	NA	NA	NA	NA	9.5	NA	NA	NA	308	NA	NA	NA	NA	NA	NA	NA	2,680
Bottom-3-1-5	NA	NA	NA	NA	0.4	NA	NA	NA	16.4	NA	NA	NA	NA	NA	NA	NA	141
E. Side-3-4-1	NA	NA	NA	NA	2.3	NA	NA	NA	203	NA	NA	NA	NA	NA	NA	NA	560
W. Side-3-5-3	NA	NA	NA	NA	2.2	NA	NA	NA	67.2	NA	NA	NA	NA	NA	NA	NA	710
N. End-3-3-1	NA	NA	NA	NA	0.6	NA	NA	NA	21	NA	NA	NA	NA	NA	NA	NA	178

[1]Post-remediation sample.
NA - Not analyzed.

TABLE 2
Analytical Summary - Site Assessment and PEA Soil Samples
Fontana Steel, Inc.

Sample I.D.	Depth (ft bgs)	Source	Concentration (mg/kg)										
			Sb	As	Ba	Be	Cd	Cr (tot.)	Cr (+6)	Co	Cu	Pb	Hg
B-3-5 (Trench Adj)	5.0	PEG,1999	ND(<10)	2.5	NA	ND(<0.5)	ND(<0.5)	17	NA	NA	13	3.4	ND(<0.02)
B-3-10 (Trench Adj)	10.0	PEG,1999	ND(<10)	ND(<2.0)	NA	ND(<0.5)	ND(<0.5)	10	NA	NA	5.5	ND(<2.0)	ND(<0.02)
B-3-15 (Trench Adj)	15.0	PEG,1999	ND(<10)	2.9	NA	ND(<0.5)	ND(<0.5)	17	NA	NA	16	5.4	ND(<0.02)
B-3-20 (Trench Adj)	20.0	PEG,1999	ND(<10)	ND(<2.0)	NA	ND(<0.5)	ND(<0.5)	12	NA	NA	14	4.4	ND(<0.02)
B-7-16.5 (E Trench)	16.5	PEG,1999	ND(<10)	26	NA	1.1	5.6	900	NA	NA	230	92	ND(<0.02)
B-7-22.5 (E Trench)	22.5	PEG,1999	ND(<10)	ND(<2.0)	NA	ND(<0.5)	1.8	47	NA	NA	17	52	ND(<0.02)
B-10-10C (Ctr Trench)	10.0	PEG,1999	ND(<10)	10	NA	0.5	6.5	540	NA	NA	90	170	0.021
B-10-18.5 (Ctr Trench)	18.5	PEG,1999	ND(<10)	5.6	NA	ND(<0.5)	1.9	130	NA	NA	23	43	ND(<0.02)
B-11-16 (W Trench)	16.0	PEG,1999	ND(<10)	3.3	NA	0.64	0.76	13	NA	NA	15	4.8	ND(<0.02)
B-11-19.5 (W Trench)	19.5	PEG,1999	ND(<10)	6.6	NA	ND(<0.5)	1.2	43	NA	NA	44	17	ND(<0.02)
B-15-1.5 (W Trench)	1.5	IT, 2001	ND(<10)	ND(<2.0)	110	ND(<0.50)	ND(<0.50)	15	ND(<0.20)	4.7	9.5	ND(<2.0)	ND(<0.020)
B-16-1.5 (W Trench)	1.5	IT, 2001	ND(<10)	ND(<2.0)	160	ND(<0.50)	ND(<0.50)	28	ND(<0.20)	7.1	18	5.9	ND(<0.020)
B-17-1.5 (Center Trench)	1.5	IT, 2001	ND(<10)	ND(<2.0)	84	ND(<0.50)	ND(<0.50)	9.8	ND(<0.20)	3.3	6.6	ND(<2.0)	ND(<0.020)
B-18-1.5 (Center Trench)	1.5	IT, 2001	ND(<10)	ND(<2.0)	270	ND(<0.50)	ND(<0.50)	31	ND(<0.20)	6.9	17	4.3	ND(<0.020)
B-18-11.5 (Center Trench)	11.5	IT, 2001	ND(<200)	ND(<40)	500	ND(<10)	ND(<10)	1,200	0.39	ND(<20)	110	ND(<40)	ND(<0.020)
B-19-1.5 (E Trench)	1.5	IT, 2001	ND(<40)	8.8	140	ND(<2.0)	11	310	2.0	7.4	110	480	0.036
B-19A-7.5 (E Trench)	7.5	IT, 2001	ND(<200)	ND(<40)	500	ND(<10)	ND(<10)	640	1.2	ND(<20)	64	ND(<40)	ND(<0.020)
B-20-1.5 (E Trench)	1.5	IT, 2001	ND(<10)	ND(<2.0)	97	ND(<0.50)	ND(<0.50)	14	ND(<0.20)	4.0	9.3	4.9	ND(<0.020)

TABLE 2
Analytical Summary - Site Assessment and PEA Soil Samples
Fontana Steel, Inc.

Sample I.D.	Depth (ft bgs)	Source	Concentration (mg/kg)						
			Mo	Ni	Se	Ag	Tl	V	Zn
B-3-5 (Trench Adj)	5.0	PEG,1999	NA	9.4	ND(<2.0)	ND(<1.0)	ND(<10)	NA	38
B-3-10 (Trench Adj)	10.0	PEG,1999	NA	5.1	ND(<2.0)	ND(<1.0)	ND(<10)	NA	18
B-3-15 (Trench Adj)	15.0	PEG,1999	NA	7.6	ND(<2.0)	ND(<1.0)	ND(<10)	NA	40
B-3-20 (Trench Adj)	20.0	PEG,1999	NA	11	8.9	ND(<1.0)	ND(<10)	NA	55
B-7-16.5 (E Trench)	16.5	PEG,1999	NA	47	16	4.6	ND(<1.0)	NA	580
B-7-22.5 (E Trench)	22.5	PEG,1999	NA	9.2	3.3	ND(<1.0)	ND(<1.0)	NA	320
B-10-10C (Ctr Trench)	10.0	PEG,1999	NA	24	9.4	ND(<1.0)	ND(<1.0)	NA	1,200
B-10-18.5 (Ctr Trench)	18.5	PEG,1999	NA	11	4.5	ND(<1.0)	ND(<1.0)	NA	320
B-11-16 (W Trench)	16.0	PEG,1999	NA	9.8	4.9	ND(<1.0)	ND(<1.0)	NA	60
B-11-19.5 (W Trench)	19.5	PEG,1999	NA	21	3.7	ND(<1.0)	ND(<1.0)	NA	100
B-15-1.5 (W Trench)	1.5	IT, 2001	ND(<2.0)	8.5	ND(<2.0)	ND(<1.0)	ND(<10)	37	29
B-16-1.5 (W Trench)	1.5	IT, 2001	ND(<2.0)	18	ND(<2.0)	ND(<1.0)	ND(<10)	50	41
B-17-1.5 (Center Trench)	1.5	IT, 2001	ND(<2.0)	6.5	ND(<2.0)	ND(<1.0)	ND(<10)	29	20
B-18-1.5 (Center Trench)	1.5	IT, 2001	ND(<2.0)	17	ND(<2.0)	ND(<1.0)	ND(<10)	60	41
B-18-11.5 (Center Trench)	11.5	IT, 2001	ND(<40)	25	ND(<40)	ND(<20)	ND(<200)	120	200
B-19-1.5 (E Trench)	1.5	IT, 2001	ND(<8.0)	38	10	ND(<4.0)	ND(<40)	71	2,200
B-19A-7.5 (E Trench)	7.5	IT, 2001	ND(<40)	ND(<20)	ND(<40)	ND(<20)	ND(<200)	200	380
B-20-1.5 (E Trench)	1.5	IT, 2001	ND(<2.0)	8.4	ND(<2.0)	ND(<1.0)	ND(<10)	35	30

Table 3
Analytical Summary - Background Metals Data
Fontana Steel, Inc.

Sample I.D.	Depth (ft bgs)	Site	Source	Concentration (mg/kg)																	
				Sb	As	Ba	Be	Cd	Cr (total)	Cr+6	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
BG-1	1.0	Fontana Steel	IT, 2001	ND(<10)	ND(<2.0)	88	ND(<0.50)	ND(<0.50)	14	ND(<0.20)	5.3	12	2.9	ND(<0.020)	ND(<2.0)	8.8	ND(<2.0)	ND(<1.0)	ND(<10)	39	39
BG-2	1.0	Fontana Steel	IT, 2001	ND(<10)	ND(<2.0)	92	ND(<0.50)	ND(<0.50)	21	0.24	5.2	14	6.3	ND(<0.020)	ND(<2.0)	10	2.1	ND(<1.0)	ND(<10)	38	48
BG-3	1.0	Fontana Steel	IT, 2001	ND(<10)	ND(<2.0)	110	ND(<0.50)	ND(<0.50)	20	ND(<0.20)	5.8	14	4.6	ND(<0.020)	ND(<2.0)	13	2.3	ND(<1.0)	ND(<10)	37	70
BG-4	1.0	Fontana Steel	IT, 2001	ND(<10)	2.3	100	ND(<0.50)	ND(<0.50)	16	ND(<0.20)	6.1	14	5.0	ND(<0.020)	ND(<2.0)	10	ND(<2.0)	ND(<1.0)	ND(<10)	38	50
MB01-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	6.03	97.5	ND(<0.75)	ND(<0.5)	21.4	ND(<2)	6.78	11.5	8.84	ND(<0.05)	2.86	13	ND(<1)	ND(<2)	ND(<2)	23	37.6
MB02-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	14.8 (12)	116	ND(<0.75)	ND(<0.5)	24.6	ND(<2)	14.1	19.3	4.65	ND(<0.05)	2.22	14.8	ND(<1)	2.8	ND(<2)	62.8	66
MB03-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	8.44	101	ND(<0.75)	ND(<0.5)	15.3	ND(<2)	6.91	14.8	3.63	ND(<0.05)	1.85	10.6	ND(<1)	ND(<2)	ND(<2)	32	40.1
MB05-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	17 (14.1)	121	ND(<0.75)	ND(<0.5)	23.2	ND(<2)	13.3	23	5.58	ND(<0.05)	ND(<1.5)	18.2	ND(<1)	ND(<2)	ND(<2)	54	64.4
MB05-SW		Kaiser OU3	Mission Geo.,1999	ND(<3)	10.4	62.9	ND(<0.75)	ND(<0.5)	25.2	ND(<2)	9.79	18.1	6.34	ND(<0.05)	ND(<1.5)	31.1	ND(<1)	ND(<2)	ND(<2)	34.7	45
MB08-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	16.2 (14.5)	17	ND(<0.75)	ND(<0.5)	22.8	ND(<2)	13.4	19.9	5.29	ND(<0.05)	ND(<1.5)	15.3	ND(<1)	ND(<2)	ND(<2)	56.3	62.4
MB10-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	11.6 (9.33)	105	ND(<0.75)	ND(<0.5)	15.9	ND(<2)	11.1	13.7	3.34	ND(<0.05)	ND(<1.5)	10.5	ND(<1)	ND(<2)	ND(<2)	48.3	49.5
MB11-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	5.82	90.6	ND(<0.75)	ND(<0.5)	11.7	ND(<2)	8.62	9.1	2.54	ND(<0.05)	ND(<1.5)	8.11	ND(<1)	ND(<2)	ND(<2)	41.2	41.5
MB16-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	13.1 (10.1)	121	ND(<0.75)	ND(<0.5)	20.3	ND(<2)	13.3	19	4.57	ND(<0.05)	ND(<1.5)	13.7	ND(<1)	ND(<2)	ND(<2)	54.6	63.6
MB22-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	12.6 (10.2)	151	ND(<0.75)	ND(<0.5)	26.9	ND(<2)	17	22.2	4.45	ND(<0.05)	ND(<1.5)	16.8	ND(<1)	ND(<2)	ND(<2)	55.2	76.7
MB25-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	4.23	71.2	ND(<0.75)	ND(<0.5)	20.8	ND(<2)	8.15	17.4	5.59	ND(<0.05)	ND(<1.5)	14.6	ND(<1)	ND(<2)	ND(<2)	27.8	42
MB28-SW		Kaiser OU3	Mission Geo.,1999	ND(<3)	4.19	45.5	ND(<0.75)	ND(<0.5)	11.8	ND(<2)	5.97	11.1	4.79	ND(<0.05)	ND(<1.5)	9.05	ND(<1)	ND(<2)	ND(<2)	25	30.3
MB33-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	7.11	69	ND(<0.75)	ND(<0.5)	20.2	ND(<2)	7.94	14.6	5.17	ND(<0.05)	ND(<1.5)	14	ND(<1)	ND(<2)	ND(<2)	34.2	37.2
MB42-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	3.49	46.5	ND(<0.75)	ND(<0.5)	15.5	ND(<2)	6.07	10.1	3.62	ND(<0.05)	ND(<1.5)	10.9	ND(<1)	ND(<2)	ND(<2)	24.6	29.1
MB46-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	9.7	58.9	ND(<0.75)	ND(<0.5)	18.6	ND(<2)	7.83	16.4	6.38	ND(<0.05)	ND(<1.5)	12.2	ND(<1)	ND(<2)	ND(<2)	28.8	40.7
MB48-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	11.4 (10.5)	52.9	ND(<0.75)	ND(<0.5)	22.8	ND(<2)	9.05	16.3	5.79	ND(<0.05)	ND(<1.5)	18.3	ND(<1)	ND(<2)	ND(<2)	33.3	41.3
MB51-SW		Kaiser OU3	Mission Geo.,1999	ND(<3)	4.25	56.7	ND(<0.75)	ND(<0.5)	11.1	ND(<2)	6.93	13.3	5.46	ND(<0.05)	ND(<1.5)	10.4	ND(<1)	ND(<2)	ND(<2)	23.4	35.2
MB52-SW		Kaiser OU3	Mission Geo.,1999	ND(<3)	3.27	50.4	ND(<0.75)	ND(<0.5)	14.1	ND(<2)	7.27	12.9	4.99	ND(<0.05)	ND(<1.5)	10.1	ND(<1)	ND(<2)	ND(<2)	27.4	31.4
MB53-SW		Kaiser OU3	Mission Geo.,1999	ND(<3)	3.82	38.7	ND(<0.75)	ND(<0.5)	15.1	ND(<2)	7.05	13.4	4.3	ND(<0.05)	ND(<1.5)	12.4	ND(<1)	ND(<2)	ND(<2)	27.3	31.8
MB56-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	5.05	159	ND(<0.75)	ND(<0.5)	31.8	ND(<2)	12.7	24.5	8.8	ND(<0.05)	ND(<1.5)	22.6	ND(<1)	ND(<2)	ND(<2)	47.1	71.4
MPB1-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	3.96	82.2	ND(<0.75)	ND(<0.5)	28.4	ND(<2)	7.58	19.2	19.5	ND(<0.05)	ND(<1.5)	13.6	ND(<1)	ND(<2)	ND(<2)	40.4	37.6
MPB2-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	2.57	162	ND(<0.75)	ND(<0.5)	29.5	ND(<2)	71.9	20.7	2.74	ND(<0.05)	ND(<1.5)	17.2	ND(<1)	ND(<2)	ND(<2)	53.6	66
MPB3-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	145	ND(<0.75)	ND(<0.5)	28	ND(<2)	11	25.2	21.4	ND(<0.05)	ND(<1.5)	16.1	ND(<1)	ND(<2)	ND(<2)	44.5	40.1
MPB4-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	3.08	120	ND(<0.75)	ND(<0.5)	24.6	ND(<2)	9.27	17.1	9.05	ND(<0.05)	ND(<1.5)	13.4	ND(<1)	ND(<2)	ND(<2)	43.4	64.4
		Kaiser OU3	Mission Geo.,1999	ND(<3)	4.67	79.91	ND(<0.75)	ND(<0.5)	13.43	ND(<2)	4.66	12.59	8.55	ND(<0.05)	ND(<1.5)	7.73	ND(<1)	ND(<2)	ND(<2)	31.53	49.42
		Kaiser OU3	Mission Geo.,1999	ND(<3)	2.86	47.52	ND(<0.75)	ND(<0.5)	4.7	ND(<2)	1.41	4.94	7.99	ND(<0.05)	ND(<1.5)	2.36	ND(<1)	ND(<2)	ND(<2)	8.76	29.55
		Kaiser OU3	Mission Geo.,1999	ND(<3)	10.39	174.94	ND(<0.75)	ND(<0.5)	22.83	ND(<2)	7.47	22.47	24.64	ND(<0.05)	ND(<1.5)	12.45	ND(<1)	ND(<2)	ND(<2)	61.05	108.51
MPB5-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	141	1.41	ND(<0.5)	16.2	ND(<2)	7.1	16.8	11.1	ND(<0.05)	ND(<1.5)	10.9	ND(<1)	ND(<2)	ND(<2)	33	45
MPB6-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	144	ND(<0.75)	ND(<0.5)	19.1	ND(<2)	9.78	24.8	10.5	ND(<0.05)	ND(<1.5)	23.9	ND(<1)	ND(<2)	ND(<2)	37.1	57.5
MPB7-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	356	ND(<0.75)	ND(<0.5)	48.7	ND(<2)	8.23	33.5	26.7	ND(<0.05)	1.6	18	ND(<1)	ND(<2)	ND(<2)	32.9	168
MPB8-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	132	ND(<0.75)	ND(<0.5)	47.1	ND(<2)	10.6	30.3	14.8	ND(<0.05)	2.03	28.2	ND(<1)	ND(<2)	ND(<2)	33.1	65.1
MPB9-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	171	ND(<0.75)	ND(<0.5)	25.3	ND(<2)	10.1	15.9	ND(<2)	ND(<0.05)	ND(<1.5)	18.2	ND(<1)	ND(<2)	ND(<2)	47.8	48.2
MPB10-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	125	ND(<0.75)	ND(<0.5)	18	ND(<2)	7.72	12.1	ND(<2)	ND(<0.05)	ND(<1.5)	11.7	ND(<1)	ND(<2)	ND(<2)	37.4	36.7
MPB11-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	198	ND(<0.75)	ND(<0.5)	30.5	ND(<2)	11.4	21.2	ND(<2)	ND(<0.05)	ND(<1.5)	20.7	ND(<1)	ND(<2)	ND(<2)	52	51.6
MPB12-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	3.59	106	ND(<0.75)	ND(<0.5)	15.5	ND(<2)	6.4	10.7	ND(<2)	ND(<0.05)	ND(<1.5)	11.6	ND(<1)	ND(<2)	ND(<2)	32.2	30.7
MPB13-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	166	ND(<0.75)	ND(<0.5)	22.3	ND(<2)	9.52	14.5	ND(<2)	ND(<0.05)	ND(<1.5)	14.6	ND(<1)	ND(<2)	ND(<2)	42.4	44.4
MPB14-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	132	ND(<0.75)	ND(<0.5)	23	ND(<2)	8.47	16.2	15.8	ND(<0.05)	ND(<1.5)	15	ND(<1)	ND(<2)	ND(<2)	38.9	94
MPB15-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	136	ND(<0.75)	ND(<0.5)	18.5	ND(<2)	7.69	12.3	ND(<2)	ND(<0.05)	ND(<1.5)	12.3	ND(<1)	ND(<2)	ND(<2)	38.5	42
MPB16-1.5	1.5	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	125	ND(<0.75)	ND(<0.5)	19.5	ND(<2)	7.83	13.3	9.64	ND(<0.05)	ND(<1.5)	17.7	ND(<1)	ND(<2)	ND(<2)	36.9	80.9
MPB17-4	4	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	133	ND(<0.75)	ND(<0.5)	31.3	ND(<2)	14.6	30.6	27.7	ND(<0.05)	ND(<1.5)	24.3	ND(<1)	ND(<2)	ND(<2)	62.5	127
MPB18-4	4	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	152	ND(<0.75)	ND(<0.5)	19.7	ND(<2)	9.01	13	12.5	ND(<0.05)	ND(<1.5)	ND(1)	ND(<1)	ND(<2)	ND(<2)	41.8	57.3
MPB19-4	4	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	77.9	ND(<0.75)	ND(<0.5)	9.37	ND(<2)	4.31	6.54	3.16	ND(<0.05)	ND(<1.5)	6.63	ND(<1)	ND(<2)	ND(<2)	26.6	29.3
MPB20-4	4	Kaiser OU3	Mission Geo.,1999	ND(<3)	ND(<2)	86.5	ND(<0.75)	ND(<0.5)	10.4	ND(<2)	5.77	6.49	5.18	ND(<0.05)	ND(<1.5)	6.2	ND(<1)	ND(<2)	ND(<2)	25.8	38
SWE-1-5901		Kaiser OU3	SCS Eng.,1995	2.9	6.1	30.4	ND(<1)	ND(<0.3)	10.2	0.75	4.2	16.9	12.4	ND(<0.05)	2	12	ND(<0.5)	ND(<1)	ND(<2.5)	22.2	37.8
SWE-2-5902		Kaiser OU3	SCS Eng.,1995	2.7	8.6	83	ND(<1)	ND(<0.3)	13.8	0.49	5.1	14.5	10.3	ND(<0.05)	ND(<1)	8.6	ND(<0.5)	ND(<1)	ND(<2.5)	30	39.4
SWE-3-5903		Kaiser OU3	SCS Eng.,1995	5	9.1	51.9	ND(<1)	ND(<0.3)	21.9	0.1	4.9	22.3	26.5	ND(<0.05)	ND(<1)	9.3	ND(<0.5)	ND(<1)	ND(<2.5)	35.4	111
SWE-4-5904		Kaiser OU3	SCS Eng.,1995	4.8	7.7	46.4	ND(<1)	ND(<0.3)	14.7	0.41	4.6	17.5	21.3	ND(<0.05)	ND(<1)	8.8	ND(<0.5)	ND(<1)	ND(<2.5)	27.3	83.2
NWE-1-5905		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	0.7	91.3	ND(<1)	ND(<0.3)	9.7	0.32	3.2	9.1	2.1	ND(<0.05)	ND(<1)	4.5	ND(<0.5)	ND(<1)	ND(<2.5)	24.9	26.1
NWE-2-5907		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	ND(<0.5)	92	ND(<1)	ND(<0.3)	11.4	0.33	3.7	0.7	1.9	ND(<0.05)	ND(<1)	5.9	ND(<0.5)	ND(<1)	ND(<2.5)	31.2	24.4
NWE-3-5908		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	1.9	186	ND(<1)	ND(<0.3)	21.9	1.2	7.6	16.7	0.9	ND(<0.05)	ND(<1)	11	ND(<0.5)	ND(<1)	ND(<2.5)	51.5	46.9

Table 3
Analytical Summary - Background Metals Data
Fontana Steel, Inc.

Sample I.D.	Depth (ft bgs)	Site	Source	Concentration (mg/kg)																
				Sb	As	Ba	Be	Cd	Cr (total)	Cr+6	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
NWE-4-5911		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	2	147	ND(<1)	ND(<0.3)	14.6	0.54	4.9	11.2	1.4	ND(<0.05)	ND(<1)	7.6	ND(<0.5)	ND(<1)	ND(<2.5)	38.9	35
NWE-1D-590		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	ND(<0.5)	55	ND(<1)	ND(<0.3)	6.1	0.31	2.2	7.6	2.3	ND(<0.05)	ND(<1)	3.2	ND(<0.5)	ND(<1)	ND(<2.5)	20.3	16.6
NWE-2D-590		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	ND(<0.5)	88.1	ND(<1)	ND(<0.3)	8.7	0.35	3	6.3	2	ND(<0.05)	ND(<1)	4.2	ND(<0.5)	ND(<1)	ND(<2.5)	27.3	22.3
NWE-3D-591		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	8.1	171	ND(<1)	ND(<0.3)	20.8	0.85	7.1	16.3	1.4	ND(<0.05)	ND(<1)	10.3	ND(<0.5)	ND(<1)	ND(<2.5)	49.8	44.3
NWE-4D-591		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	-	111	ND(<1)	ND(<0.3)	11.4	0.11	3.6	9	1.6	ND(<0.05)	ND(<1)	5.7	ND(<0.5)	ND(<1)	ND(<2.5)	30.1	26
NEM-1-5913		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	7.1	50.3	ND(<1)	0.3	13.6	0.24	5.6	18.8	25.1	ND(<0.05)	ND(<1)	9.7	ND(<0.5)	ND(<1)	ND(<2.5)	20.2	105
NEM-2-5915		Kaiser OU3	SCS Eng.,1995	2	7.2	40.3	ND(<1)	ND(<0.3)	12.1	0.32	4.9	10.7	7.3	ND(<0.05)	ND(<1)	7.4	ND(<0.5)	ND(<1)	ND(<2.5)	28.8	42
NEM-3-5917		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	-	44	ND(<1)	ND(<0.3)	12	0.24	4.5	10.1	5	ND(<0.05)	ND(<1)	6.7	ND(<0.5)	ND(<1)	ND(<2.5)	27.3	38
NEM-4-5919		Kaiser OU3	SCS Eng.,1995	2.7	0.7	45.8	ND(<1)	ND(<0.3)	14	0.51	5.6	10.9	20	ND(<0.05)	ND(<1)	9.3	ND(<0.5)	ND(<1)	ND(<2.5)	29.6	102
NEM-1D-5914		Kaiser OU3	SCS Eng.,1995	4	7.2	38.8	ND(<1)	ND(<0.3)	11.4	0.19	4.4	9.8	5.2	ND(<0.05)	ND(<1)	7.6	ND(<0.5)	ND(<1)	ND(<2.5)	26.1	32.2
NEM-2D-5916		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	3	20.5	ND(<1)	ND(<0.3)	5.8	ND(<0.1)	2.4	7.4	3.9	ND(<0.05)	ND(<1)	3.8	ND(<0.5)	ND(<1)	ND(<2.5)	15.2	20.2
NEM-3D-5918		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	5.3	27.3	ND(<1)	ND(<0.3)	8	0.6	3.7	6.8	4.7	ND(<0.05)	ND(<1)	6.1	ND(<0.5)	ND(<1)	ND(<2.5)	22.2	27.4
NEM-4D-5920		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	5.1	25.6	ND(<1)	ND(<0.3)	8.5	ND(<0.1)	3.5	8.1	4.4	ND(<0.05)	ND(<1)	6	ND(<0.5)	ND(<1)	ND(<2.5)	20.8	23.1
SOU3-1-5921		Kaiser OU3	SCS Eng.,1995	ND(<2.5)	3.3	101	ND(<1)	0.3	14.2	0.7	4.4	12.6	9.7	ND(<0.05)	ND(<1)	7.5	ND(<0.5)	ND(<1)	ND(<2.5)	35.5	63.8
SOU3-2-5922		Kaiser OU3	SCS Eng.,1995	4.1	5.2	111	ND(<1)	ND(<0.3)	17.6	0.8	5.9	16.8	16.8	ND(<0.05)	ND(<1)	9.3	ND(<0.5)	ND(<1)	ND(<2.5)	42	91.2
SOU3-3-5923		Kaiser OU3	SCS Eng.,1995	3.6	5.2	137	ND(<1)	ND(<0.3)	19.3	0.83	6.5	15.2	5.3	ND(<0.05)	ND(<1)	9.3	ND(<0.5)	ND(<1)	ND(<2.5)	47.7	50.2
SOU3-4-5924		Kaiser OU3	SCS Eng.,1995	3.3	5.7	117	ND(<1)	ND(<0.3)	19.4	0.87	6.4	17.1	13.7	ND(<0.05)	ND(<1)	9.6	ND(<0.5)	ND(<1)	ND(<2.5)	44.4	78

TABLE 4
Background and On-Site Metals Concentrations in Soils
Fontana Steel, Inc.

Chemical	Maximum On-Site Sample Location	Maximum On-Site Sample Depth (feet)	Maximum On-Site Detected Concentration (0 - 10 feet) (mg/kg)	Average On-Site Detected Concentration (mg/kg)	Maximum Background Concentration (mg/kg)	Average Background Concentration (mg/kg)	Minimum Background Concentration (mg/kg)
Antimony	NA	NA	ND	ND	5.00	3.51	2.00
Arsenic	B-10-10C (Ctr Trench)	10	10.00	7.10	17.00	5.01	0.70
Barium	multiple	multiple	500.00	232.63	356.00	100.37	17.00
Beryllium	B-10-10C (Ctr Trench)	10	0.50	NA	1.41	NA	NA
Cadmium*	B-19-1.5	1.5	11.00	8.75	0.30	0.30	0.30
Chromium, Total	B-19A-7.5	7.5	640.00	255.89	48.70	18.41	4.70
Chromium, Hexavalent*	B-19-1.5	1.5	2.00	1.20	1.20	0.49	0.10
Cobalt	B-19-1.5	1.5	7.40	5.57	71.90	8.16	1.41
Copper	multiple	multiple	110.00	41.17	33.50	15.03	0.70
Lead	B-19-1.5	1.5	480.00	111.42	27.70	8.60	0.90
Mercury	B-19-1.5	1.5	0.04	0.03	ND	ND	ND
Molybdenum	NA	NA	ND	ND	2.86	2.09	1.60
Nickel*	B-19-1.5	1.5	38.00	15.99	31.10	11.92	2.36
Selenium	B-19-1.5	1.5	10.00	9.70	2.30	2.20	2.10
Silver	NA	NA	ND	ND	2.80	NA	NA
Thallium	NA	NA	ND	ND	ND	ND	ND
Vanadium	B-19A-7.5	7.5	200.00	75.25	62.80	36.11	8.76
Zinc	B-19-1.5	1.5	2200.00	381.55	168.00	52.70	16.60

Notes:

**Residential PRG values represent Cal-modified values.*

J - estimated value. Value was below the reporting limit.

mg/kg - milligrams per kilogram

ND - chemical was not detected at or above the detection limit

TABLE 5
PEA Risk/Hazard Evaluation for Metals in Soil
Fontana Steel, Inc.

Chemical	Maximum Sample Location	Maximum Sample Depth (feet)	Maximum Concentration, C_s (mg/kg)	RfD_o	Source	RfD_i	Source	SF_o	Source	SF_i	Source	ABS	Concentration in Air, C_a (mg/m^3)	Inhalation Risk	Inhalation Hazard Quotient	Dermal and Ingestion Risk	Dermal and Ingestion Hazard Quotient
Cadmium	B-19-1.5	1.5	11.00	5.0E-04	IRIS	5.7E-06	OEHHA	3.8E-01	OEHHA, 2001	1.5E+01	OEHHA, 2001	0.001	8.36E-09	1.87E-08	0.0009	6.64E-06	0.2844
Chromium, Total	B-19A-7.5	7.5	640.00	1.5E+00	IRIS	1.5E+00	IRIS	NA		NA		0.01	4.86E-07	NA	0.0000	NA	0.0060
Chromium, Hexavalent	B-19-1.5	1.5	2.00	NA		5.7E-05	OEHHA	1.9E-01	OEHHA, 2001	5.1E+02	OEHHA, 2001	0.00	1.52E-09	1.15E-07	0.0000	5.97E-07	NA
Copper	multiple	multiple	110.00	3.7E-02	HEAST	3.7E-02	HEAST	NA		NA		0.01	8.36E-08	NA	0.0000	NA	0.0419
Lead	B-19-1.5	1.5	480.00	NA		NA		8.5E-03	OEHHA, 2001	4.2E-02	OEHHA, 2001	EVALUATED USING LEADSPREAD (see Table 6)					
Mercury	B-19-1.5	1.5	0.04	3.0E-04	IRIS	3.0E-04	IRIS	NA		NA		0.01	2.74E-11	NA	0.0000	NA	0.0017
Selenium	B-19-1.5	1.5	10.00	5.0E-03	IRIS	5.0E-03	IRIS	NA		NA		0.01	7.60E-09	NA	0.0000	NA	0.0282
Vanadium	B-19A-7.5	7.5	200.00	7.0E-03	HEAST	7.0E-03	HEAST	NA		NA		0.01	1.52E-07	NA	0.0000	NA	0.4023
Zinc	B-19-1.5	1.5	2200.00	3.0E-01	IRIS	3.0E-01	IRIS	NA		NA		0.01	1.67E-06	NA	0.0000	NA	0.1033
Risk, Pathway Specific														*1.34E-07*		7.24E-06	
Hazard Index, Pathway Specific															*0.00*		0.87
Total Risk, Soil Pathway (particulate inhalation, dermal contact, oral ingestion)																**7.4E-06**	
Total Hazard Index, Soil Pathway (particulate inhalation, dermal contact, oral ingestion)																	**0.9**

Notes:

ABS - Dermal Absorption Fraction

C_a - concentration in air

C_s - concentration in soil

HEAST - Health Effects Assessments Summary Tables

IRIS - Integrated Risk Information System

mg/kg - milligrams per kilogram

mg/m^3 - milligrams per cubic meter

NA - not applicable

OEHHA - Office of Environmental Health Hazard Assessment

OEHHA. 2001 - Office of Environmental Health Hazard Assessment, March 2001 Toxicity Criteria Database Search

RfD_i - inhalation reference dose (mg/kg-d)

RfD_o - oral reference dose (mg/kg-d)

SF_i - inhalation cancer slope factor 1/(mg/kg-d)

SF_o - oral cancer slope factor 1/(mg/kg-d)

TABLE 6
Screening Lead Risk Assessment Spreadsheet
(Complete Soil Group and Default Exposure Parameters)
Fontana Steel, Inc.

INPUT	
MEDIUM	LEVEL
Lead in Air (µg/m^3)	0.05
Lead in Soil/Dust (µg/g)	480.00
Lead in Water (µg/l)	15
% Home-grown Produce	0%
Respirable Dust (µg/m^3)	1.5

OUTPUT							
	Percentile Estimate of Blood Pb (µg/dl)					PRG-99	PRG-95
	50th	90th	95th	98th	99th	(µg/g)	(µg/g)
BLOOD Pb, ADULT	1.6	2.9	3.5	4.2	4.8	2368	3754
BLOOD Pb, CHILD	5.0	9.1	10.7	13.0	14.8	252	432
BLOOD Pb, PICA CHILD	8.3	15.2	18.0	21.9	24.9	127	217
BLOOD Pb, OCCUPATIONAL	1.4	2.6	3.1	3.8	4.3	3428	5412

EXPOSURE PARAMETERS			
	units	Adults	Children
Days per week	days/wk	7	
Days per week, occupational		5	
Geometric Standard Deviation		1.6	
Blood lead level of concern	(µg/dl)	10	
Skin area, residential	cm^2	5700	2900
Skin area occupational	cm^2	2900	
Soil adherence	µg/cm^2	70	200
Dermal uptake constant	(µg/dl)/(µg/day)	0.00011	
Soil ingestion	mg/day	50	100
Soil ingestion, pica	mg/day		200
Ingestion constant	(µg/dl)/(µg/day)	0.04	0.16
Bioavailability	unitless	0.44	
Breathing rate	m^3/day	20	6.8
Inhalation constant	(µg/dl)/(µg/day)	0.082	0.192
Water ingestion	l/day	1.4	0.4
Food ingestion	kg/day	1.9	1.08
Lead in market basket	µg/kg	3.1	
Lead in produce	µg/kg	0.0	

PATHWAYS						
ADULTS	Residential			Occupational		
	Pathway Contribution			Pathway Contribution		
Pathway	PEF	µg/dl	percent	PEF	µg/dl	percent
Soil Contact	4.2E-5	0.02	1%	1.5E-5	0.01	1%
Soil Ingestion	8.8E-4	0.42	26%	6.3E-4	0.30	21%
Inhalation1		0.08	5%		0.06	4%
Inhalation	2.5E-6	0.00	0%	1.8E-6	0.00	0%
Water Ingestion		0.84	53%		0.84	58%
Food Ingestion1		0.23	15%		0.23	16%
Food Ingestion	0.0E+0	0.00	0%			0%

CHILDREN	typical			with pica		
	Pathway Contribution			Pathway Contribution		
Pathway	PEF	µg/dl	percent	PEF	µg/dl	percent
Soil Contact	6.1E-5	0.03	1%		0.03	0%
Soil Ingestion	7.0E-3	3.38	68%	1.4E-2	6.76	81%
Inhalation1	1.5E-6	0.00	0%		0.00	0%
Inhalation		0.07	1%		0.07	1%
Water Ingestion		0.96	19%		0.96	12%
Food Ingestion, child		0.53	11%		0.53	6%
Food Ingestion	0.0E+0	0.00	0%		0.00	0%

Notes:

LeadSpread Model Version 7.0 from California Department of Toxic Substances Control, 2000, Leadspread Lead Risk Assessment Spreadsheet, Version 7, available for download from the DTSC LeadSpread web site at http://www.cwo.com/~herd1/ledspred.htm

All default values for the LeadSpread Version 7.0 were used with the exception of lead in air and lead in soil dust that was the maximum detected concentration of lead in soil.

Value 0.05 µg/m^3 for lead in air is from SCAQMD Air station #87 (central Los Angeles). This is the nearest station with lead data. This was the monthly, quarterly, and annual average concentration for lead at this air station.

cm^2 - square centimeter
kg/day - kilograms per day
l/day - liter per day
m^3/day - cubic meters per day
mg/day - milligrams per day
µg/cm^2 - micrograms per square centimeter
µg/day - micrograms per day
µg/dl - micrograms per deciliter
µg/g - micrograms per gram
µg/kg - micrograms per kilogram
µg/L - micrograms per liter
µg/m^3 - micrograms per cubic milligram

TABLE 7
Exposure Parameters for Risk and Hazard Calculations
Fontana Steel, Inc.

Parameter	Definition	Units	Industrial Scenario
EF	Exposure frequency	day/year	250
ED	Exposure duration	years	25
SI	Soil ingestion from site	kg/day mg/day	5.0E-05 50
IR	Inhalation Rate - Daily	m^3/day	20.0
AT_c	Averaging time - carcinogens	days	25,550
AT_{nc}	Averaging time - noncarcinogens	days	9,125
BW	Body weight	kg	70
SA	Exposed surface area	cm^2/day	3,300
AF	Adherence factor	kg/cm^2 mg/cm^2	1.0E-06 1.00
PEF	Particulate emission factor	m^3/kg	1.3E+09

Notes:

cm^2/day - centimeters squared per day

kg - kilograms

kg/cm^2 - kilograms per squared centimeter

kg/day - kilograms per day

kg/m^3 - kilograms per cubic meter

$\mu g/m^3$ - micrograms per cubic meter

m^3/day - meters cubed per day

mg/cm^2 - milligrams per squared centimeter

mg/day - milligrams per day

TABLE 8
Worker Exposure Dose Estimates
Fontana Steel, Inc.

Chemical	Maximum Concentration (mg/kg)	ABS	Soil Inhalation		Soil Ingestion		Dermal Exposure	
			ADD	LADD	ADD	LADD	ADD	LADD
Cadmium	11.00	0.001	1.64E-09	5.84E-10	5.38E-06	1.92E-06	3.55E-07	1.27E-07
Chromium, Total	640.00	0.01	9.52E-08	3.40E-08	3.13E-04	1.12E-04	2.07E-04	7.38E-05
Chromium, Hexavalent	2.00	0.00	2.97E-10	1.06E-10	9.78E-07	3.49E-07	NA	NA
Copper	110.00	0.01	1.64E-08	5.84E-09	5.38E-05	1.92E-05	3.55E-05	1.27E-05
Lead	480.00		EVALUATED USING LEADSPREAD (see Table 6)					
Mercury	0.04	0.01	5.35E-12	1.91E-12	1.76E-08	6.29E-09	1.16E-08	4.15E-09
Selenium	10.00	0.01	1.49E-09	5.31E-10	4.89E-06	1.75E-06	3.23E-06	1.15E-06
Vanadium	200.00	0.01	2.97E-08	1.06E-08	9.78E-05	3.49E-05	6.46E-05	2.31E-05
Zinc	2200.00	0.01	3.27E-07	1.17E-07	1.08E-03	3.84E-04	7.10E-04	2.54E-04

Notes:

Airborne Soil Particulate Inhalation Pathway Dose: $LADD/ADD = ((C_a / PEF) * IR * EF * ED)/(AT * BW)$

Soil Ingestion Pathway Dose: $LADD/ADD = (C_s * SI * EF * ED)/(AT * BW)$

Dermal Contact Pathway Dose: $LADD/ADD = (C_s * SA * AF * ABS * EF * ED)/(AT * BW)$

ABS - Dermal Absorption Fraction

ADD - Average Daily Dose, mg/kg-day, calculated with AT_{nc} *for AT value*

C_a *- concentration in air*

C_s *- concentration in soil*

LADD - Lifetime Average Daily Dose, mg/kg-day, calculated with AT_c *for AT value*

Definitions for other parameters are provided in Exposure Parameters Table.

TABLE 9
Worker Cancer Risk Characterization
Fontana Steel, Inc.

Chemical	Soil Inhalation LADD	Soil Ingestion LADD	Dermal Exposure LADD	SF_o	SF_i	$Risk_o$	$Risk_i$
Cadmium	5.84E-10	1.92E-06	1.27E-07	3.8E-01	1.5E+01	7.79E-07	8.76E-09
Chromium, Total	3.40E-08	1.12E-04	7.38E-05	NA	NA	NA	NA
Chromium, Hexavalent	1.06E-10	3.49E-07		1.9E-01	5.1E+02	6.64E-08	5.42E-08
Copper	5.84E-09	1.92E-05	1.27E-05	NA	NA	NA	NA
Lead	EVALUATED USING LEADSPREAD (see Table 6)						
Mercury	1.91E-12	6.29E-09	4.15E-09	NA	NA	NA	NA
Selenium	5.31E-10	1.75E-06	1.15E-06	NA	NA	NA	NA
Vanadium	1.06E-08	3.49E-05	2.31E-04	NA	NA	NA	NA
Zinc	1.17E-07	3.84E-04	2.54E-04	NA	NA	NA	NA
					Total Cancer Risk by Exposure Route	8.45E-07	6.29E-08
					Total Cancer Risk	9.E-07	

Notes:

Soil Ingestion and Skin Contact Cancer Risk: $Risk_o = (LADD_{ingestion} + LADD_{dermal}) * SF_o$

Inhalation Cancer Risk: $Risk_i = LADD_{inhalation} * SF_i$

LADD - Lifetime Average Daily Dose, mg/kg-day, calculated with AT_c *for AT value*

SF_i *- inhalation cancer slope factor 1/(mg/kg-d)*

SF_o *- oral cancer slope factor 1/(mg/kg-d)*

TABLE 10
Worker Non-Carcinogenic Hazard Characterization
Fontana Steel, Inc.

Chemical	Soil Inhalation ADD	Soil Ingestion ADD	Dermal Exposure ADD	RfD_o	RfD_i	$Hazard_o$	$Hazard_i$
Cadmium	1.64E-09	5.38E-06	3.55E-07	5.0E-04	5.7E-06	0.0115	0.0003
Chromium, Total	9.52E-08	3.13E-04	2.07E-04	1.5E+00	1.5E+00	0.0003	0.0000
Chromium, Hexavalent	2.97E-10	9.78E-07	NA	NA	5.7E-05	NA	0.0000
Copper	1.64E-08	5.38E-05	3.55E-05	3.7E-02	3.7E-02	0.0024	0.0000
Lead	EVALUATED USING LEADSPREAD (see Table 6)						
Mercury	5.35E-12	1.76E-08	1.16E-08	3.0E-04	3.0E-04	0.0001	0.0000
Selenium	1.49E-09	4.89E-06	3.23E-06	5.0E-03	5.0E-03	0.0016	0.0000
Vanadium	2.97E-08	9.78E-05	6.46E-05	7.0E-03	7.0E-03	0.0232	0.0000
Zinc	3.27E-07	1.08E-03	7.10E-04	3.0E-01	3.0E-01	0.0060	0.0000
Total Hazard Index, Pathway specific						0.05	0.00
Total Hazard Index							0.05

Notes:

Soil Ingestion and Skin Contact Hazard: $Hazard_o = (ADD_{ingestion} + ADD_{dermal}) / RfD_o$

Inhalation Hazard: $Hazard_i = ADD_{inhalation} / RfD_i$

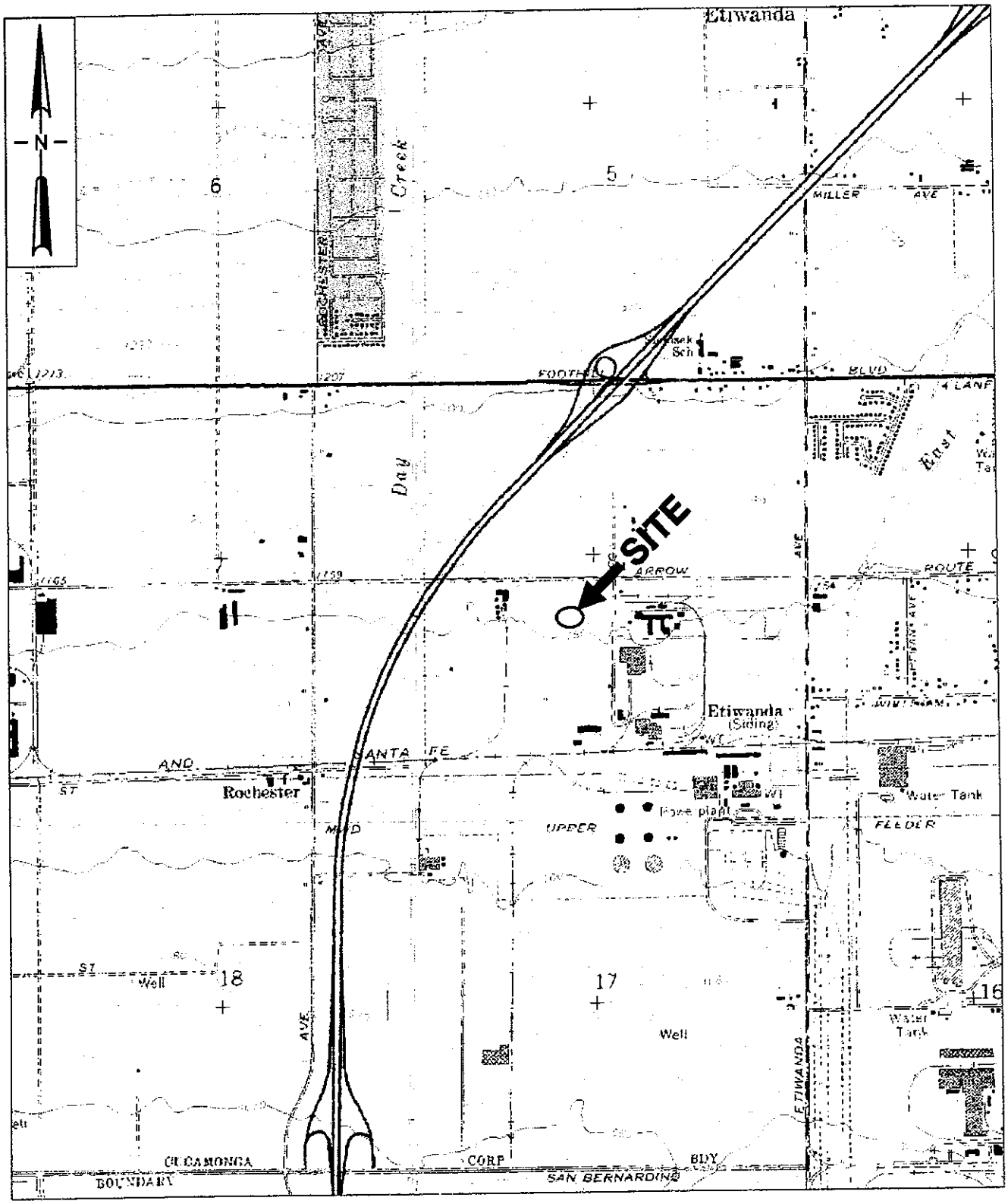
ADD - Average Daily Dose, mg/kg-day, calculated with AT_{nc} *for AT value*

RfD_i *- inhalation reference dose (mg/kg-d)*

RfD_o *- oral reference dose (mg/kg-d)*

Figures

PROJECT NUMBER	APPROVED BY	CHECKED BY	DRAWN BY
660-001.B	S.M 01/01		KK 01/01



REFERENCE: DeLORME 3-D TopoQuads, CALIFORNIA SOUTH, COPYRIGHT 1999

0 1/2 1 Mile

0 2000 Feet

SCALE

IT CORPORATION

FONTANA STEEL, INC.
PRELIMINARY ENDANGERMENT ASSESSMENT
RANCHO CUCAMONGA, CALIFORNIA

FIGURE 1

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

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PROJECT NUMBER 660-001.1B

APPROVED BY

CHECKED BY

DRAWN BY

ARROW ROUTE

BG-2

BG-3

BG-4

OFFICE AND GUEST PARKING

OFFICE BUILDING

FONTANA STEEL FABRICATION SHOP

MAINTENANCE SHOP

BG-1

STORAGE YARD

DIESEL UST

B-9

PROPANE TANK

B-1

CLARIFIER

WASHRACK

B-2

B-3

B-15

B-17

B-20

B-6

B-5

B-4

B-12

B-14

B-13

B-19A

B-19

B-16

B-11

B-7

B-8

B-19

B-10

B-18

TAMCO STEEL

AMERON CONCRETE AND STEEL PIPE

N

EXPLANATION:

B-1 ● SOIL BORING LOCATION (PEG, 1999)

B-15 ◉ SOIL BORING LOCATION (IT, 2001)

BG-1 ✠ BACKGROUND SAMPLE LOCATION (IT, 2001)

TRENCH LOCATION*

0 100 200

SCALE IN FEET

IT CORPORATION

FONTANA STEEL, INC.
PRELIMINARY ENDANGERMENT ASSESSMENT
RANCHO CUCAMONGA, CALIFORNIA

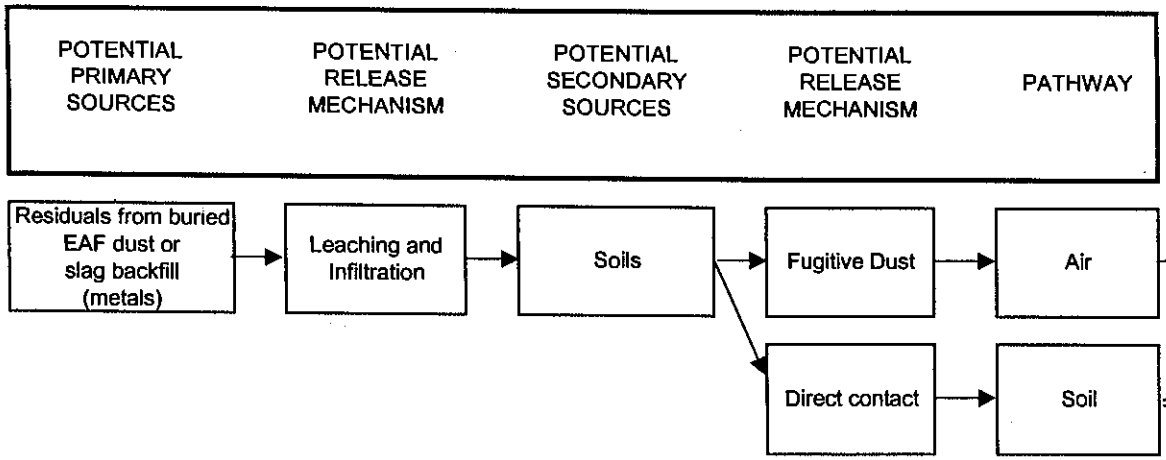
FIGURE 2

PLOT PLAN AND SAMPLE LOCATIONS
12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

* Trench locations confirmed during the March 1999 Additional Site Assesment (PEG, 1999).

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Figure 3
Conceptual Site Model
Fontana Steel, Inc.



EXPOSURE ROUTE	RECEPTOR		
	HUMAN		BIOTA
	SITE WORKER	FUTURE CONSTRUCT. WORKER	TERRESTRIAL
Ingestion			
Inhalation	X	X	
Dermal contact			
Ingestion	X	X	
Inhalation			
Dermal contact	X	X	

X - Indicates potentially complete pathway

Appendix A - Voluntary Cleanup Agreement

STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of: Fontana Steel, Inc. (Historic Slag Trenches) 12451 Arrow Route Rancho Cucamonga California 91739 Project Proponent Fontana Steel, Inc. 12451 Arrow Route Rancho Cucamonga California 91739	)	Docket No. HSA-A 00/01-153 Voluntary Cleanup Agreement Health and Safety Code Section 25355.5(a)(1)(C)

I. INTRODUCTION

1.1 Parties. The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) enters into this Voluntary Cleanup Agreement (Agreement) with Fontana Steel Inc., 12451 Arrow Route, Rancho Cucamonga, California 91739 (Proponent).

1.2 Site. The property which is the subject of this Agreement is located at 12451 Arrow Route, Rancho Cucamonga, San Bernadino County, California 91739. For the purposes of this Agreement, the Site is defined as three subgrade trenches which were used for disposal of baghouse dust generated at the adjacent steel mill. The Site consists of approximately one-half acre and is identified by the metes and bounds described in Exhibit C

and incorporated herein. A diagram of the Site and a location map are attached as Exhibit A and Exhibit B.

1.3 Jurisdiction. This Agreement is entered into by DTSC and Proponent pursuant to Health and Safety Code (H&SC) section 25355.5(a)(1)(C). This section authorizes DTSC to enter into an enforceable agreement with Proponents to oversee the characterization and cleanup of a Site.

1.4 Purpose. The purpose of this Agreement is for the Proponent to conduct a Preliminary Endangerment Assessment under the oversight of DTSC. DTSC will determine what additional work, if any, will be required to complete the investigation of the Site. If appropriate, DTSC will issue a " No Further Action" letter based upon the PEA. The purpose of this Agreement is also for DTSC to provide a mechanism to assure reimbursement from the Proponent for DTSC's oversight costs.

II. BACKGROUND

2.1 Ownership. The Site is owned by CMC Steel Fabricators Inc., dba Fontana Steel, located at Steel Mill Road, Box 911, Seguin, Texas 78156-0911.

2.2 Substances Found at the Site. Reports, containing the results of environmental media sampling conducted at the Site, indicate that the soil may be contaminated with hazardous substances, including the following metals: arsenic, cadmium,

chromium lead, and zinc.

2.3 Physical Description. For the purposes of this Agreement, the Site is defined as three subgrade trenches which were used for disposal of baghouse dust generated at the adjacent steel mill. The trenches are located approximately 300 feet east of the western property line and 100 feet north of the southern property line of the Fontana Steel property. The Fontana Steel property is surrounded by heavy industrial facilities and vacant land. The property is bounded to the north and west by Arrow Route and vacant land, to the south by TAMCO Steel and to the east by Ameron Concrete & Steel Pipe, and to the southeast by Industrial Wire Products. There are no houses, schools, or churches near the facility.

2.4 Site History. The Fontana Steel property was covered by vineyards until 1955 and was vacant until construction of the existing structures by Fontana Steel, Inc. in 1988. The property had been owned by Ameron, Inc., until 1988. Ameron, the parent company of TAMCO Steel, used the property in the 1970s for material storage and for the disposal of baghouse dust.

III. AGREEMENT

3.0 **IT IS HEREBY AGREED THAT** DTSC will provide review and oversight of the response activities conducted by the Proponent in accordance with the Scope of Work contained in Exhibit D. The

Proponent shall conduct the activities in the manner specified herein and in accordance with the schedule specified in Exhibit E. All work shall be performed consistent with H&SC section 25300 et seq., as amended; the National Contingency Plan (40 Code of Federal Regulations (CFR) Part 300), as amended; U.S. EPA and DTSC Superfund guidance documents regarding site investigation and remediation.

3.1 Scope of Work and DTSC Oversight. DTSC shall review and provide Proponent with written comments on all Proponent deliverables as described in Exhibit D (Scope of Work) and other documents applicable to the scope of the project. DTSC shall provide oversight of field activities, including sampling and remedial activities, as appropriate. DTSC's completion of activities described above shall constitute DTSC's complete performance under this Agreement.

3.2 Additional Activities. Additional activities may be conducted and DTSC oversight provided by amendment to this Agreement or Exhibits hereto in accordance with Paragraph 3.17. If DTSC expects additional oversight costs to be incurred related to these additional activities, it will provide an estimate of the additional oversight cost to the Proponent.

3.3 Agreement Managers. Ms. Nennet Alvarez is designated by DTSC as its Manager for this Agreement. Mr. Tom Kaney is

assigned by the Proponent as its Manager for this Agreement. Each Party to this Agreement shall provide at least ten (10) days advance written notice to the other of any change in its designated manager.

3.4 Notices and Submittals. All notices, documents and communications required to be given under this Agreement, unless otherwise specified herein, shall be sent to the respective parties at the following addresses in a manner that produces a record of the sending of the notice, document or communication such as certified mail, overnight delivery service, facsimile transmission or courier hand delivery service:

3.4.1 To DTSC:

Nennet Alvarez, Chief
Attn: Daniel Zogaib, Project Manager
Southern California Cleanup Operations
Cypress Office
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

3.4.2 To the Proponent:

Mr. Tom Kaney
Fontana Steel, Inc.
12451 Arrow Route
Rancho Cucamonga
California 91739

3.5 DTSC Review and Approval. If DTSC determines that any

report, plan, schedule or other document submitted for approval pursuant to this Agreement fails to comply with this Agreement or fails to protect public health or safety or the environment, DTSC may (a) Return comments to the Proponent with recommended changes; or (b) Modify the document as deemed necessary and approve the document as modified.

3.6 Communications. All DTSC approvals and decisions made regarding submittals and notifications will be communicated to the Proponent in writing by DTSC's Agreement Manager or his/her designee. No informal advice, guidance, or suggestions or comments by DTSC regarding reports, plans, specifications, schedules or any other writings by the Proponent shall be construed to relieve the Proponent of the obligation to obtain such written approvals.

3.7 Endangerment During Implementation. In the event DTSC determines that any activity (whether or not pursued in compliance with this Agreement) may pose an imminent or substantial endangerment to the health and safety of people on the Site or in the surrounding area or to the environment, DTSC may order the Proponent to stop further implementation of this Agreement for such period of time as may be needed to abate the endangerment.

3.8 Payment. The Proponent agrees to pay (1) all costs

incurred by DTSC in association with preparation of this Agreement and for review of documents submitted prior to the effective date of the Agreement, and (2) all costs incurred by DTSC in providing oversight pursuant to this Agreement including review of the documents described in Exhibit D and associated documents, and in providing oversight of field activities. An estimate of DTSC's oversight costs is attached as Exhibit E. It is understood by the parties that Exhibit E is an estimate and cannot be relied upon as the final cost figure. DTSC will bill the Proponent quarterly. Proponent agrees to make payment within sixty (60) days of receipt of DTSC's billing. Such billings will reflect any amounts that have been advanced to DTSC by the Proponent.

3.8.1 In anticipation of services to be rendered, Proponent shall make an advance payment of $13,651 to DTSC. That payment shall be made no later than ten (10) days after this Agreement is fully executed. If the Proponent's advance payment does not cover all costs payable to DTSC under this paragraph, Proponent agrees to pay the additional costs within sixty (60) days of receipt of a bill from DTSC.

3.8.2 If any bill is not paid by the Proponent within sixty (60) days after it is sent by DTSC, the Proponent may be deemed to be in material default of this Agreement.

3.8.3 All payments made by the Proponent pursuant to this Agreement shall be by a cashier's or certified check made payable to the "Department of Toxic Substances Control", and bearing on its face the project code for the site (Calstars Site Code # 400885-11) and the docket number (Docket No. HSA-A 00/01-153) of this Agreement. Payments shall be sent to:

Department of Toxic Substances Control
Accounting/Cashier
400 P Street, 4th Floor
P.O. Box 806
Sacramento, California 95812-0806

A photocopy of the check shall be sent concurrently to DTSC's Agreement Manager.

3.8.4 If the advance payment exceeds DTSC's actual oversight costs, DTSC will provide an accounting for expenses and refund the difference within one hundred-twenty (120) days after termination of this Agreement in accordance with Paragraph 3.18. In no other case shall the Proponent be entitled to a refund from DTSC or to assert a claim against DTSC for any amount paid or expended under this Agreement.

3.9 Condition Precedent. It is expressly understood and agreed that DTSC's receipt of the advance payment described in Paragraph 3.8.1. is a condition precedent to DTSC's obligation to provide oversight, review and/or comment on documents.

3.10 Record Retention. DTSC shall retain all cost records associated with the work performed under this Agreement for such time periods as may be required by applicable state law. The Proponent may request to inspect all documents which support DTSC's cost determination in accordance with the Public Records Act, Government Code section 6250 et seq.

3.11 Project Coordinator. The work performed pursuant to this Agreement shall be under the direction and supervision of a qualified project coordinator, with expertise in hazardous substance site cleanup. The Proponent shall submit: a) the name and address of the project coordinator; and b) in order to demonstrate expertise in hazardous substance site cleanup, the resume of the coordinator. The Proponent shall promptly notify DTSC of any change in the identity of the Project Coordinator. All engineering and geological work shall be conducted in conformance with applicable state law including but not limited to Business and Professions Code sections 6735 and 7835.

3.12 Access. Proponent shall provide, and/or obtain access to the Site and offsite areas to which access is necessary to implement this Agreement. Such access shall be provided to DTSC's employees, contractors, and consultants at all reasonable times. Nothing in this paragraph is intended or shall be construed to limit in any way the right of entry or inspection

that DTSC or any other agency may otherwise have by operation of any law. DTSC and its authorized representatives shall have the authority to enter and move freely about all property at the Site at all reasonable times for purposes including, but not limited to: inspecting records, operating logs, sampling and analytic data, and contracts relating to this Site; reviewing the progress of the Proponent in carrying out the terms of this Agreement; conducting such tests as DTSC may deem necessary; and verifying the data submitted to DTSC by the Proponent.

3.13 Sampling, Data and Document Availability. When requested by DTSC, the Proponent shall make available to DTSC, and shall provide copies of, all data and information concerning contamination at the Site, including technical records and contractual documents, sampling and monitoring information and photographs and maps, whether or not such data and information was developed pursuant to this Agreement.

3.14 Notification of Field Activities. The Proponent shall inform DTSC at least seven (7) days in advance of all field activities pursuant to this Agreement and shall allow DTSC and its authorized representatives to take duplicates of any samples collected by the Proponent pursuant to this Agreement.

3.15 Notification of Environmental Condition. The Proponent shall notify DTSC's Agreement Manager immediately upon

learning of any condition posing an immediate threat to public health or safety or the environment. Within seven (7) days of the onset of such a condition, the Proponent shall furnish a report to DTSC, signed by the Proponent's Agreement Manager, setting forth the events which occurred and the measures taken in the response thereto.

3.16 Preservation of Documentation. The Proponent shall maintain a central repository of the data, reports, and other documents prepared pursuant to this Agreement. All such data, reports and other documents shall be preserved by the Proponent for a minimum of six (6) years after the conclusion of all activities carried out under this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, the Proponent shall either comply with that request, deliver the documents to DTSC, or permit DTSC to copy the documents prior to destruction. The Proponent shall notify DTSC in writing at least ninety (90) days prior to the expiration of the six-year minimum retention period before destroying any documents prepared pursuant to this Agreement. If any litigation, claim, negotiation, audit or other action involving the records has been started before the expiration of the six year period, the related records shall be retained until the completion and resolution of all issues arising therefrom or

until the end of the six-year period, which ever is later.

3.17 Amendments. This Agreement may be amended or modified solely upon written consent of all parties. Such amendments or modifications may be proposed by any party and shall be effective the third business day following the day the last party signing the amendment or modification sends its notification of signing to the other party. The parties may agree to a different effective date.

3.18 Termination for Convenience. Except as otherwise provided in this Paragraph, each party to this Agreement reserves the right unilaterally to terminate this Agreement for any reason. Termination may be accomplished by giving a thirty (30) day advance written notice of the election to terminate this Agreement to the other Party In the event that this Agreement is terminated under this Paragraph, the Proponent shall be responsible for DTSC costs through the effective date of termination.

3.19 Exhibits. All exhibits attached to this Agreement are incorporated herein by this reference.

3.20 Time Periods. Unless otherwise specified, time periods begin from the date this Agreement is fully executed, and "days" means calendar days. "Business days" means all calendar days that are not weekends or official State holidays.

3.21 Proponent Liabilities. Nothing in this Agreement shall constitute or be considered a satisfaction or release from liability for any condition or claim arising as a result of Proponent's past, current, or future operations. Nothing in this Agreement is intended or shall be construed to limit the rights of any of the parties with respect to claims arising out of or relating to the deposit or disposal at any other location of substances removed from the Site.

3.22 Government Liabilities. The State of California (State) shall not be liable for any injuries or damages to persons or property resulting from acts or omissions by the Proponent or by related parties in carrying out activities pursuant to this Agreement, nor shall the State of California be held as a party to any contract entered into by the Proponent or its agents in carrying out the activities pursuant to this Agreement.

3.23 Third Party Actions. In the event that the Proponent is a party to any suit or claim for damages or contribution relating to the Site to which DTSC is not a party, the Proponent shall notify DTSC in writing within ten (10) days after service of the complaint in the third-party action. Proponent shall pay all costs incurred by DTSC relating to such third-party actions, including but not limited to responding to subpoenas.

3.24 Reservation of Rights. DTSC and the Proponent reserve the following rights.

3.24.1 DTSC reserves its right to pursue cost recovery under the Comprehensive Environmental Response, Compensation and Liability act of 1980 (CERCLA), as amended, the California Health and Safety Code section 25360, and any other applicable section of the law.

3.24.2 Nothing in this Agreement is intended or shall be construed to limit or preclude DTSC from taking any action authorized by law or equity to protect public health and safety or the environment and recovering the costs thereof.

3.24.3 Nothing in this Agreement shall constitute or be construed as a waiver of the Proponent's rights, (including any covenant not to sue or release) with respect to any claim, cause of action, or demand in law or equity that the Proponent may have against any "person", as defined in Section 101(21) of CERCLA, or Health and Safety Code section 25319, that is not a signatory to this Agreement.

3.24.4 By entering into this Agreement, Proponent does not admit to any fact, fault or liability under any statute or regulation.

3.25 Compliance with Applicable Laws. Nothing in this Agreement shall relieve the Proponent from complying with all

applicable laws and regulations, and the Proponent shall conform all actions required by this Agreement with all applicable federal, state and local laws and regulations.

3.26 California Law. This Agreement shall be governed, performed and interpreted under the laws of the State of California.

3.27 Severability. If any portion of this Agreement is ultimately determined not to be enforceable, that portion will be severed from the Agreement and the severability shall not affect the enforceability of the remaining terms of the Agreement.

3.28 Parties Bound. This Agreement applies to and is binding, jointly and severally, upon each signatory and its officers, directors, agents, receivers, trustees, heirs, executors, administrators, successors, and assigns, and upon any successor agency of the State of California that may have responsibility for and jurisdiction over the subject matter of this Agreement. No change in the ownership or corporate or business status of any signatory, or of the facility or Site shall alter any signatory's responsibilities under this Agreement.

3.29 Effective Date. The effective date of this Agreement is the date when this Agreement is fully executed.

3.30 Representative Authority. Each undersigned

representative of the parties to this Agreement certifies that she or he is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind the parties to this Agreement.

3.31 Counterparts. This Agreement may be executed and delivered in any number of counterparts, each of which when executed and delivered shall be deemed to be an original, but such counterparts shall together constitute one and the same document.

_____ Date: _____

Nennet Alvarez, Chief
Southern California Cleanup Operations
Cypress Office
Department of Toxic Substances Control

_____ Date: 12/13/05

Tom Kaney, General Manager
Fontana Steel, Inc.

EXHIBITS

A - SITE DIAGRAM

B - SITE LOCATION MAP

C - METES AND BOUNDS

D - SCOPE OF WORK

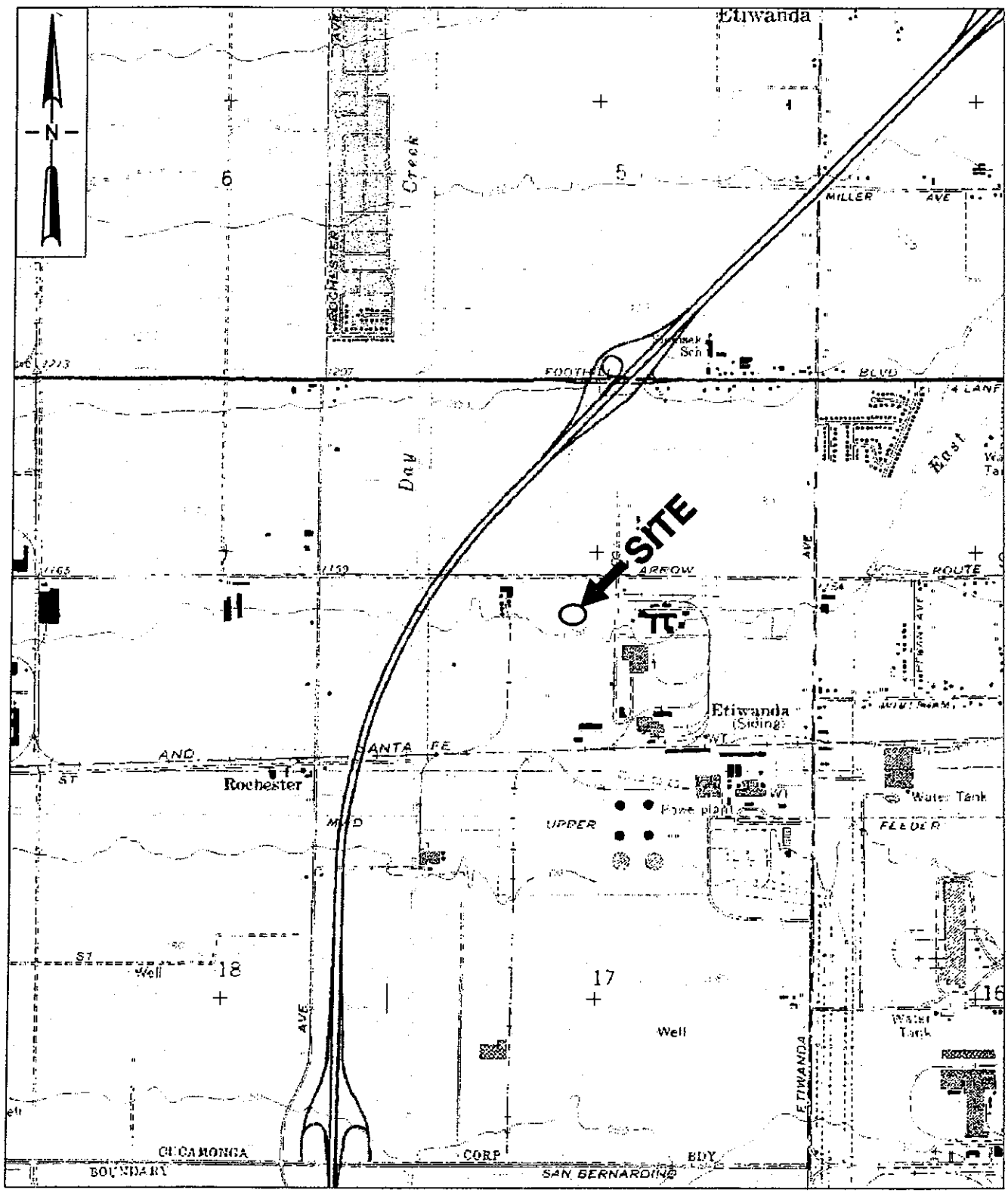
E - COST ESTIMATE

F - SCHEDULE

Exhibit A

SITE LOCATION MAP

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
KK 01/01		SJM 01/01	660-001.B



REFERENCE: DeLORME 3-D TopoQuads, CALIFORNIA SOUTH, COPYRIGHT 1999

0 1/2 1 Mile

0 2000 Feet

SCALE

IT CORPORATION

FONTANA STEEL, INC.
PRELIMINARY ENDANGERMENT ASSESSMENT
RANCHO CUCAMONGA, CALIFORNIA

FIGURE 1

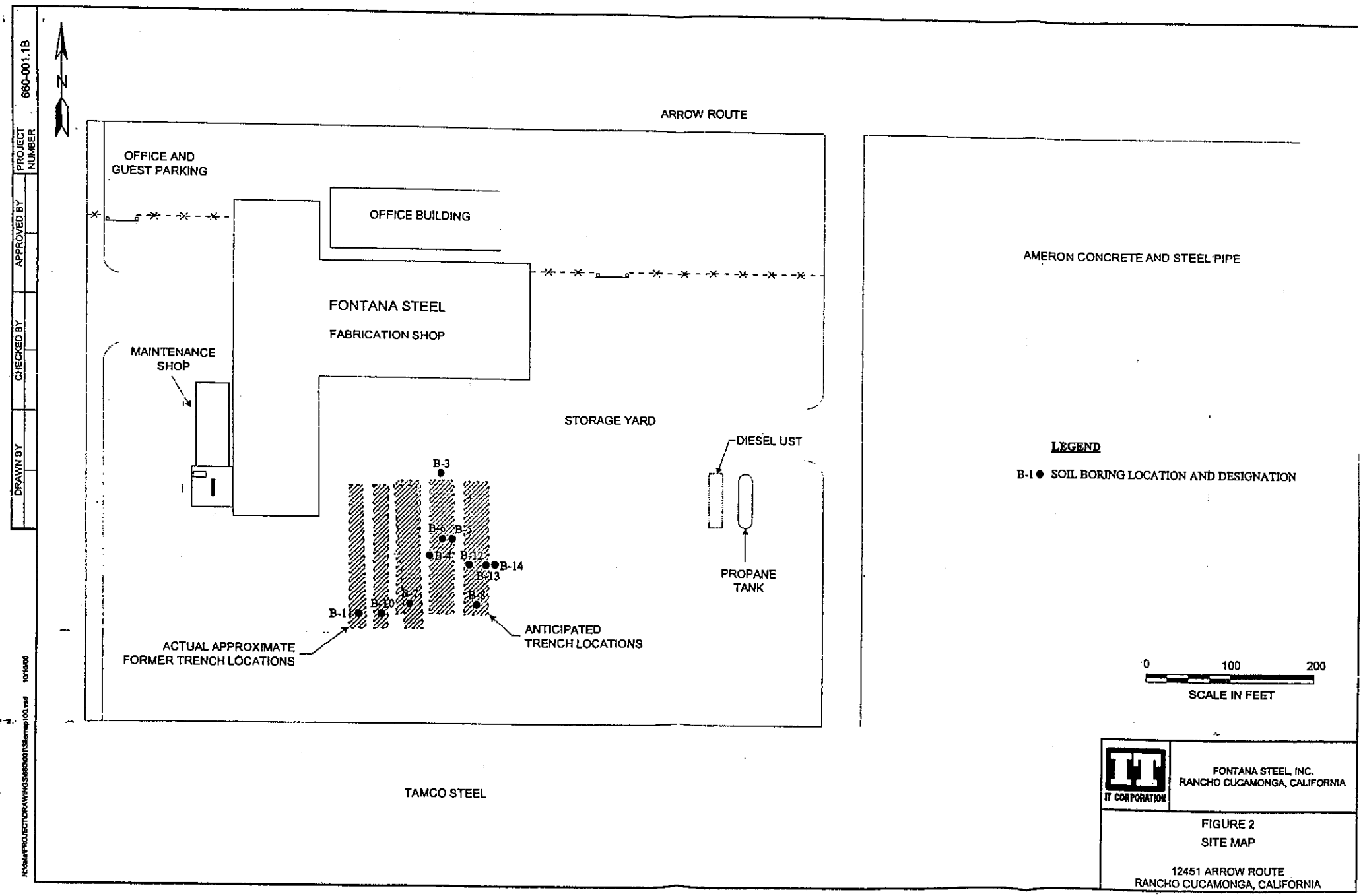
SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

N:\CAD\DWG\660001B\PAFSISLM dwg Mon, 26/Mar/01 11:51am kkistinger

Exhibit B

SITE DIAGRAM



IT CORPORATION

FONTANA STEEL, INC.
RANCHO CUCAMONGA, CALIFORNIA

FIGURE 2
SITE MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Exhibit C

METES AND BOUNDS

EXHIBIT "A"

LEGAL DESCRIPTION

The following describes a portion of Parcel 1 of Parcel Map 7822 as recorded in Book 82, Pages 48-51, located in the office of the County Recorder of the County of San Bernadino, State of California

Beginning at the southwesterly corner of said Parcel 1; thence,
Along the Southerly line of Parcel 1 a bearing of S 89° 41' 15" E for a distance of 328.57 feet to the True Point of Beginning; thence,

N 01° 27' 40" E for a distance of 254.51 feet to the southeast corner of the existing steel building support; thence,
N 01° 27' 40" E for a distance of 49.99 feet; thence,
S 89° 41' 15" E for a distance of 300.00 feet; thence,
S 01° 27' 40" W for a distance of 304.50 feet, more or less, to the southerly property line of said Parcel 1; thence,
Along said southerly property line N 89° 41' 15" W for a distance of 300.00 feet to the True Point of Beginning.

This description and accompanying Exhibit 'B' sketch were prepared by a licensed surveyor, Lester G. Everard on December 04, 2000

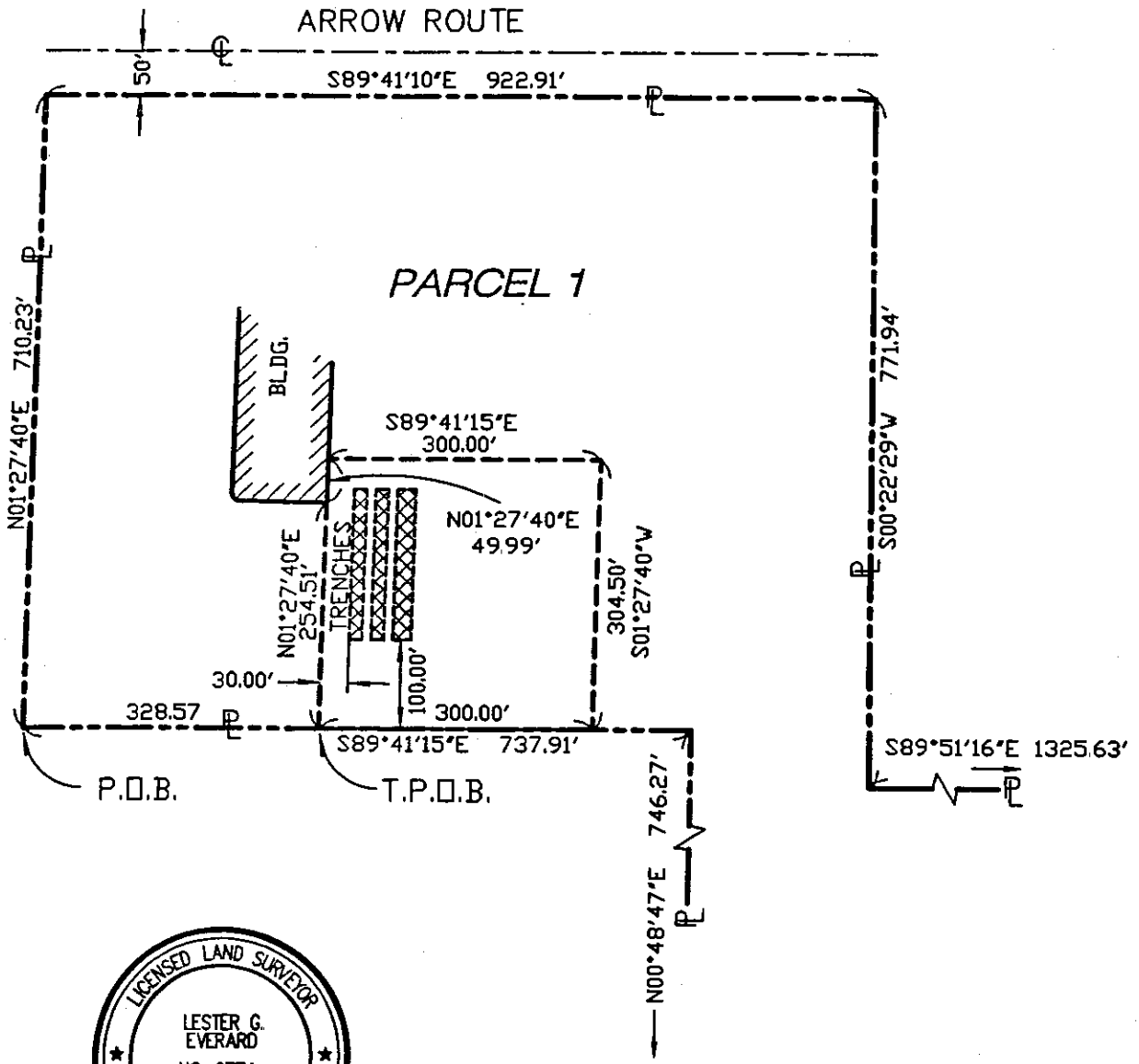


Lester G. Everard P.L.S. 6774 Exp: 9/30/2004

Azimuth Group
1587 Morse Avenue, Suite A
Ventura, CA 93003
(805) 650-6995

"EXHIBIT B"

A PORTION OF PARCEL 1, PM 7847
AS RECORDED IN BOOK 82, PAGE 48-51,
OF PARCEL MAPS IN SAN BERNADINO COUNTY



LICENSED LAND SURVEYOR
LESTER G. EVERARD
NO. 6774
Exp._____
STATE OF CALIFORNIA

GRAPHIC SCALE

0 100 200 600
50 150 400

SCALE: 1"=200'

NOTE:
TRENCH LOCATIONS WERE SCALED FROM A MAP PROVIDED BY I.T. CORP.

PREPARED FOR: I.T. CORP.	PREPARED BY: AZIMUTH GROUP, 1567 MORSE AVENUE, VENTURA, CA 93003, (805) 677-0729	"EXHIBIT B"	SHEET 2 OF 2
SITE ADDRESS: FONTANA STEEL SITE, RANCHO CUCAMONGA, CALIFORNIA			

Exhibit D

SCOPE OF WORK

EXHIBIT D

SCOPE OF WORK

The following Tasks will be completed as part of this Agreement:

TASK 1. Preliminary Endangerment Assessment (PEA).

Proponent shall conduct a PEA to determine whether a release or threatened release of hazardous substances exists at the Site, which poses a threat to human health or the environment. The PEA shall be conducted in accordance with the DTSC guidance manual for evaluating hazardous substance release sites, titled: "Preliminary Endangerment Assessment Guidance Manual," State of California, Environmental Protection Agency, Department of Toxic Substances Control (January 1994). Documents which may be required as part of the PEA are:

(a) PEA Workplan. This Workplan shall include a sampling plan designed to determine the type and general extent of contamination at the Site; a health and safety plan addressing health and safety issues and safe work practices; and a quality assurance/quality control plan to produce data of known quality.
(b) PEA Report. This report will document whether a release has occurred or threatened release exists, the threat the Site poses to human health and the environment, and whether further action is necessary.

Exhibit E

COST ESTIMATE

EXHIBIT B

COST ESTIMATE WORKSHEET

VOLUNTARY CLEANUP AGREEMENT: FONTANA STEEL

Project Name: Former Baghouse Trenches Area

Title	VCP Coord.	Project Manager		Supervisor		Toxicology	Geology	Industrial Hygiene	HQ Engring	Public Particip	HQ CEQA	Legal	Clerical
Classification	Sr. HSS	HSS	HSE	HSSI	HSEI	Staff Toxicologist	Eng Geol.	Assoc IH	HSE	PPS	AEP	Staff Counsel	WPT
TASK:													
A eement Prep./Negotiation	8												
Review Existing Data, Review and Comment on Preliminary E angerment Assessment equivalent documents (i.e., Sampling Plan, focused Health R Assessment (HRA)) and G eral Project Oversite		50		8		20	20	20		5			2
Scoping Documents: HSP/SAP/QAP													
R edial Investigation/ Fe ibility Study (RI/FS)													
- Workplan													
- nplementation													
- Report													
R Assessment													
Public Participation													
C QA													
Removal Action Workplan													
Im lement Removal Action													
D ign													
Remedial Action Plan (RAP)													
C ification													
Deed Restriction													
O ration & Maint													
Total No. Hours/Class	8	50	0	8	0	20	20	20	0	5	0	0	2
Hourly Rate/Class	108	93	104	105	116	133	119	85	104	91	96	133	51
Cost/Class	864	4650	0	840	0	2660	2380	1700	0	455	0	0	102
Grand Total Cost	$13,651												

Exhibit F

PROJECT SCHEDULE

EXHIBIT F

PROJECT SCHEDULE

TASK	TIMELINE
Agreement Execution	December 2000
Proponent to submit advance payment.	Within 10 days of Agreement execution.
Proponent to submit all existing data and reports of previous investigations	Within 10 days of Agreement execution
If appropriate, a scoping meeting may be scheduled to coordinate project activities	Within 15 days of Agreement execution
DTSC to review and comment on existing data and reports of previous investigations and determine what additional work, if any, will be required to complete the investigation of the Site	Within 15 days of receiving documents to be reviewed
DTSC to review and comment on PEA Report	Within 30 days of receiving PEA Report

Appendix B - Boring Logs

LOCATION MAP

SEE SITE PLAN

IT CORPORATION

BORING NO. B-15
PAGE 1 OF 1

PROJECT NO. 660-001.1B
LOGGED BY: R. HAUGHY
DRILLER: BC²
DRILLING METHOD: HSA
SAMPLING METHOD: CSA
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: SMI-TEXAS
DATE DRILLED: 4-13-01
LOCATION: 12451 ARROW ROUTE, RANCHO CUCAMONGA
HOLE DIAMETER: 8"
HOLE DEPTH: 3'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

BOREHOLE BACKFILL		MOISTURE CONTENT	PID (ppm)	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
Soil		Dp		>50	1–3				GP	SURFACE: soil, gravel. SANDY GRAVEL WITH SILT: brown; fine to coarse sand and gravel; crystalline rock fragments; sand and gravel are subangular to rounded. BOTTOM OF BORING 3'

LOCATION MAP

SEE SITE PLAN

IT CORPORATION

BORING NO. B-16
PAGE 1 OF 1

PROJECT NO. 660-001.1B
LOGGED BY: R. HAUGHY
DRILLER: BC²
DRILLING METHOD: HSA
SAMPLING METHOD: CSA
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: SMI-TEXAS
DATE DRILLED: 4-13-01
LOCATION: 12451 ARROW ROUTE, RANCHO CUCAMONGA
HOLE DIAMETER: 8"
HOLE DEPTH: 3'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

BOREHOLE BACKFILL		MOISTURE CONTENT	PID (ppm)	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
Soil		Dp		>50	1–3				GP	SURFACE: soil, gravel. SANDY GRAVEL WITH SILT: brown; fine to coarse sand and gravel; some fine to medium cobbles; crystalline rock fragments; sand and gravel are subangular to rounded. BOTTOM OF BORING 3'

4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

LOCATION MAP

SEE SITE PLAN

IT CORPORATION

BORING NO. B-17
PAGE 1 OF 1

PROJECT NO. 660-001.1B
LOGGED BY: R. HAUGHY
DRILLER: BC²
DRILLING METHOD: HSA
SAMPLING METHOD: CSA
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: SMI-TEXAS
DATE DRILLED: 4-13-01
LOCATION: 12451 ARROW ROUTE, RANCHO CUCAMONGA
HOLE DIAMETER: 8"
HOLE DEPTH: 3'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

BOREHOLE BACKFILL	MOISTURE CONTENT	PID (ppm)	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
Soil	Dp		>50	1–3				GP	SURFACE: soil, gravel. SANDY GRAVEL WITH SILT: brown; fine to coarse sand and gravel; crystalline rock fragments; sand and gravel are subangular to rounded. BOTTOM OF BORING 3'

LOCATION MAP

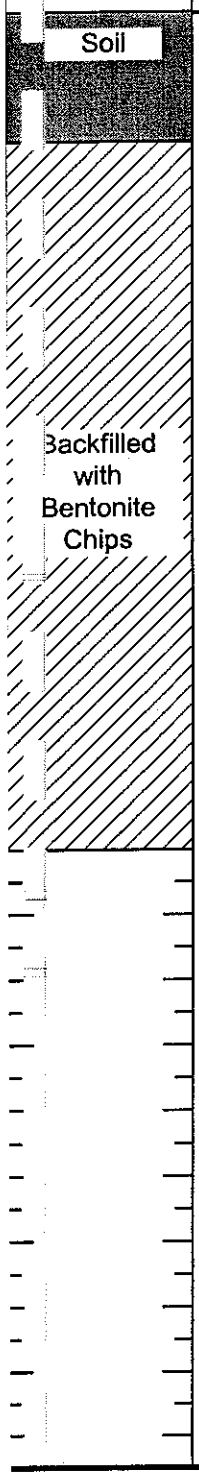
SEE SITE PLAN

IT CORPORATION

BORING NO. B-18
PAGE 1 OF 1

PROJECT NO. 660-001.1B
LOGGED BY: R. HAUGHY
DRILLER: BC²
DRILLING METHOD: HSA
SAMPLING METHOD: CSA
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: SMI-TEXAS
DATE DRILLED: 4-13-01
LOCATION: 12451 ARROW ROUTE, RANCHO CUCAMONGA
HOLE DIAMETER: 8"
HOLE DEPTH: 13'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA



MOISTURE CONTENT	PID (ppm)	PENETRATION (BLOWS/FT)	DEPTH (FEET)	SOIL TYPE	LITHOLOGY/REMARKS
					SURFACE: gravel, soil
Dp		>50	1–3	GP	SANDY GRAVEL WITH SILT: brown; fine to coarse sand and gravel; some cobbles; gravel is rounded.
Dp		>50	5–6	SP	SAND WITH GRAVEL AND SILT: brown; fine to medium sand and gravel; sand is subangular; gravel is rounded.
			7–10	GP	SANDY GRAVEL WITH SILT: brown; fine to coarse sand and gravel; some cobbles (up to 7cm diameter); gravel is rounded.
Dp		>50	10–11		SLAG: dark gray with white mottling; porous; soft and hard.
Mst					
Wt		>50	12–13		@ 12.5': as above; black; vesicular; very dense.
					BOTTOM OF BORING 13'

OCATION MAP

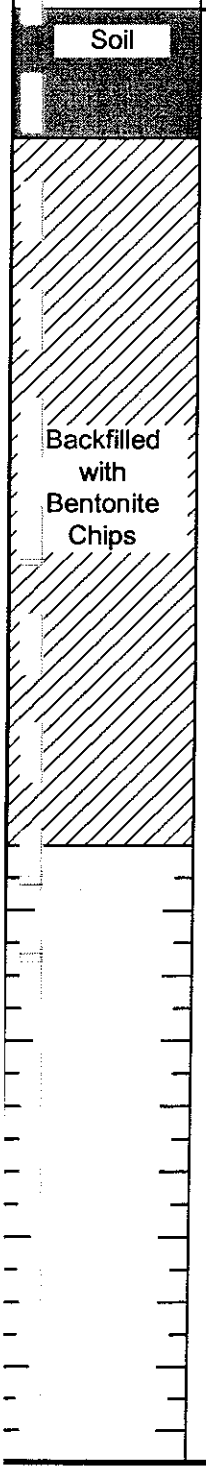
SEE SITE PLAN

IT CORPORATION

BORING NO. B-19/B-19A
PAGE 1 OF 1

PROJECT NO. 660-001.1B
LOGGED BY: R. HAUGHY
DRILLER: BC²
DRILLING METHOD: HSA
SAMPLING METHOD: CSA
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: SMI-TEXAS
DATE DRILLED: 4-13-01
LOCATION: 12451 ARROW ROUTE, RANCHO CUCAMONGA
HOLE DIAMETER: 8"
HOLE DEPTH: 13' (7.5')*
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA



MOISTURE CONTENT	PID (ppm)	PENETRATION (BLOWS/FT)	DEPTH (FEET)	SOIL TYPE	LITHOLOGY/REMARKS
			0		SURFACE: soil, gravel.
Dp		>50	2	GP	SANDY GRAVEL WITH SILT: brown; fine to coarse sand and gravel; fine to medium cobbles in cuttings; sand and gravel are subangular to rounded.
Dp		>50	5	SP	SAND WITH GRAVEL: brown; fine to medium sand and gravel; sand and gravel are subangular to rounded.
			7.5		(@ 7.5': slag, black, vesicular, mst)*
			8		(BOTTOM OF BORING 8')*
Dp		>50	10	GP	SANDY GRAVEL: brown; fine to coarse sand and gravel; with silt; gravel is subangular to rounded; loose.
Dp		>50	12.5		@ 12.5': as above.
			13		BOTTOM OF BORING 13'

* data collected from boring B-19A; slag sample collected for analysis from 7.5' to 8'.

OCATION MAP

SEE SITE PLAN

IT CORPORATION

BORING NO. B-20
PAGE 1 OF 1

PROJECT NO. 660-001.1B
LOGGED BY: R. HAUGHY
DRILLER: BC²
DRILLING METHOD: HSA
SAMPLING METHOD: CSA
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: SMI-TEXAS
DATE DRILLED: 4-13-01
LOCATION: 12451 ARROW ROUTE, RANCHO CUCAMONGA
HOLE DIAMETER: 8"
HOLE DEPTH: 3'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

BOREHOLE BACKFILL		MOISTURE CONTENT	PID (ppm)	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
Soil		Dp		>50	1–3				GP	SURFACE: soil, gravel SANDY GRAVEL WITH SILT: brown; fine to coarse sand and gravel; cobbles (up to 7cm diameter); crystalline fragments; sand and gravel are subangular to rounded. BOTTOM OF BORING 3'

Appendix C - Laboratory Reports

Del Mar Analytical

2852 Alton Ave Irvine CA 92606 (949) 261-1022 FAX (949) 261-1228
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9830 South 51st St Suite B-120 Phoenix AZ 85044 (480) 785-0043 FAX (480) 785-0851

LABORATORY REPORT

Prepared For: IT Corporation-Pasadena
3452 E. Foothill Blvd., 9th Floor
Pasadena, CA 91107

Attention: Stuart Michener
Project: Fontana Steel, Inc
660-01.1B 01300000

Sampled: 04/13/01
Received: 04/13/01
Revised: 04/30/01

This laboratory report is confidential and is intended for the sole use of Del Mar Analytical and its client This entire report was reviewed and approved for release

CA ELAP Certificate #1197
AZ DHS License #AZ0428

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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9830 South 51st St, Suite B-120 Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

ıl Corporation-Pasadena	Project ID: Fontana Steel, Inc.	
3452 E. Foothill Blvd., 9th Floor	660-01.1B 01300000	Sampled: 04/13/01
ısadena, CA 91107	Report Number: IKD0480	Received: 04/13/01
ttention: Stuart Michener		

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKD0480-01 (B-15-1.5 - Soil)								
Antimony	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
rsenic	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ırium	EPA 6010B	I1D1343	1.0	**110**	1	4/13/01	4/20/01	
Beryllium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
dmium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
hromium	EPA 6010B	I1D1343	1.0	**15**	1	4/13/01	4/20/01	
Cobalt	EPA 6010B	I1D1343	1.0	**4.7**	1	4/13/01	4/20/01	
Copper	EPA 6010B	I1D1343	1.0	**9.5**	1	4/13/01	4/20/01	
ead	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
Molybdenum	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ckel	EPA 6010B	I1D1343	1.0	**8.5**	1	4/13/01	4/20/01	
lenium	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Silver	EPA 6010B	I1D1343	1.0	ND	1	4/13/01	4/20/01	
hallium	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
anadium	EPA 6010B	I1D1343	1.0	**37**	1	4/13/01	4/20/01	
Zinc	EPA 6010B	I1D1343	5.0	**29**	1	4/13/01	4/20/01	
Sample ID: IKD0480-02 (B-16-1.5 - Soil)								
ntimony	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
rsenic	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Barium	EPA 6010B	I1D1343	1.0	**160**	1	4/13/01	4/20/01	
ryllium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
dmium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
Chromium	EPA 6010B	I1D1343	1.0	**28**	1	4/13/01	4/20/01	
Cobalt	EPA 6010B	I1D1343	1.0	**7.1**	1	4/13/01	4/20/01	
pper	EPA 6010B	I1D1343	1.0	**18**	1	4/13/01	4/20/01	
Lead	EPA 6010B	I1D1343	2.0	**5.9**	1	4/13/01	4/20/01	
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
olybdenum	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ckel	EPA 6010B	I1D1343	1.0	**18**	1	4/13/01	4/20/01	
Selenium	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ver	EPA 6010B	I1D1343	1.0	ND	1	4/13/01	4/20/01	
allium	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
Vanadium	EPA 6010B	I1D1343	1.0	**50**	1	4/13/01	4/20/01	
Zinc	EPA 6010B	I1D1343	5.0	**41**	1	4/13/01	4/20/01	

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

IT Corporation-Pasadena
3452 E. Foothill Blvd., 9th Floor
asadena, CA 91107
ttention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-01.1B 01300000
Report Number: IKD0480

Sampled: 04/13/01
Received: 04/13/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKD0480-03 (B-17-1.5 - Soil)								
Antimony	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
rsenic	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
arium	EPA 6010B	I1D1343	1.0	**84**	1	4/13/01	4/20/01	
Beryllium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
admium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
hromium	EPA 6010B	I1D1343	1.0	**9.8**	1	4/13/01	4/20/01	
Cobalt	EPA 6010B	I1D1343	1.0	**3.3**	1	4/13/01	4/20/01	
Copper	EPA 6010B	I1D1343	1.0	**6.6**	1	4/13/01	4/20/01	
ead	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
Molybdenum	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ickel	EPA 6010B	I1D1343	1.0	**6.5**	1	4/13/01	4/20/01	
elenium	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Silver	EPA 6010B	I1D1343	1.0	ND	1	4/13/01	4/20/01	
hallium	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
anadium	EPA 6010B	I1D1343	1.0	**29**	1	4/13/01	4/20/01	
Zinc	EPA 6010B	I1D1343	5.0	**20**	1	4/13/01	4/20/01	
Sample ID: IKD0480-04 (B-18-1.5 - Soil)								
ntimony	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
rsenic	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Barium	EPA 6010B	I1D1343	1.0	**270**	1	4/13/01	4/20/01	
eryllium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
admium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
Chromium	EPA 6010B	I1D1343	1.0	**31**	1	4/13/01	4/20/01	
Cobalt	EPA 6010B	I1D1343	1.0	**6.9**	1	4/13/01	4/20/01	
opper	EPA 6010B	I1D1343	1.0	**17**	1	4/13/01	4/20/01	
Lead	EPA 6010B	I1D1343	2.0	**4.3**	1	4/13/01	4/20/01	
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
olybdenum	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ickel	EPA 6010B	I1D1343	1.0	**17**	1	4/13/01	4/20/01	
Selenium	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
lver	EPA 6010B	I1D1343	1.0	ND	1	4/13/01	4/20/01	
allium	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
Vanadium	EPA 6010B	I1D1343	1.0	**60**	1	4/13/01	4/20/01	
Zinc	EPA 6010B	I1D1343	5.0	**41**	1	4/13/01	4/20/01	

D Mar Analytical, Irvine
Chris Roberts
Project Manager

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IT Corporation-Pasadena
3452 E Foothill Blvd., 9th Floor
Pasadena, CA 91107
Attention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-01.1B 01300000
Report Number: IKD0480

Sampled: 04/13/01
Received: 04/13/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKD0480-05 (B-18-11.5 - Soil)								
Antimony	EPA 6010B	I1D1343	200	ND	20	4/13/01	4/20/01	RL-1
Arsenic	EPA 6010B	I1D1343	40	ND	20	4/13/01	4/20/01	RL-1
Barium	EPA 6010B	I1D1343	20	**500**	20	4/13/01	4/20/01	RL-1
Beryllium	EPA 6010B	I1D1343	10	ND	20	4/13/01	4/20/01	RL-1
Cadmium	EPA 6010B	I1D1343	10	ND	20	4/13/01	4/20/01	RL-1
Chromium	EPA 6010B	I1D1343	20	**1200**	20	4/13/01	4/20/01	RL-1
Cobalt	EPA 6010B	I1D1343	20	ND	20	4/13/01	4/20/01	RL-1
Copper	EPA 6010B	I1D1343	20	**110**	20	4/13/01	4/20/01	RL-1
Lead	EPA 6010B	I1D1343	40	ND	20	4/13/01	4/20/01	RL-1
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
Molybdenum	EPA 6010B	I1D1343	40	ND	20	4/13/01	4/20/01	RL-1
Nickel	EPA 6010B	I1D1343	20	**25**	20	4/13/01	4/20/01	RL-1
Selenium	EPA 6010B	I1D1343	40	ND	20	4/13/01	4/20/01	RL-1
Silver	EPA 6010B	I1D1343	20	ND	20	4/13/01	4/20/01	RL-1
Thallium	EPA 6010B	I1D1343	200	ND	20	4/13/01	4/20/01	RL-1
Vanadium	EPA 6010B	I1D1343	20	**120**	20	4/13/01	4/20/01	RL-1
Zinc	EPA 6010B	I1D1343	100	**200**	20	4/13/01	4/20/01	RL-1
Sample ID: IKD0480-06 (B-19-1.5 - Soil)								
Antimony	EPA 6010B	I1D1343	40	ND	4	4/13/01	4/20/01	RL-1
Arsenic	EPA 6010B	I1D1343	8.0	**8.8**	4	4/13/01	4/20/01	RL-1
Barium	EPA 6010B	I1D1343	4.0	**140**	4	4/13/01	4/20/01	RL-1
Beryllium	EPA 6010B	I1D1343	2.0	ND	4	4/13/01	4/20/01	RL-1
Cadmium	EPA 6010B	I1D1343	2.0	**11**	4	4/13/01	4/20/01	RL-1
Chromium	EPA 6010B	I1D1343	4.0	**310**	4	4/13/01	4/20/01	RL-1
Cobalt	EPA 6010B	I1D1343	4.0	**7.4**	4	4/13/01	4/20/01	RL-1
Copper	EPA 6010B	I1D1343	4.0	**110**	4	4/13/01	4/20/01	RL-1
Lead	EPA 6010B	I1D1343	8.0	**480**	4	4/13/01	4/20/01	RL-1
Mercury	EPA 7471A	I1D1732	0.020	**0.036**	1	4/17/01	4/17/01	
Molybdenum	EPA 6010B	I1D1343	8.0	ND	4	4/13/01	4/20/01	RL-1
Nickel	EPA 6010B	I1D1343	4.0	**38**	4	4/13/01	4/20/01	RL-1
Selenium	EPA 6010B	I1D1343	8.0	**10**	4	4/13/01	4/20/01	RL-1
Silver	EPA 6010B	I1D1343	4.0	ND	4	4/13/01	4/20/01	RL-1
Thallium	EPA 6010B	I1D1343	40	ND	4	4/13/01	4/20/01	RL-1
Vanadium	EPA 6010B	I1D1343	4.0	**71**	4	4/13/01	4/20/01	RL-1
Zinc	EPA 6010B	I1D1343	20	**2200**	4	4/13/01	4/20/01	RL-1

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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aI Corporation-Pasadena
3452 E. Foothill Blvd., 9th Floor
asadena, CA 91107
ttention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-01 1B 01300000
Report Number: IKD0480

Sampled: 04/13/01
Received: 04/13/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKD0480-07 (B-19A-7.5 - Soil)								
Antimony	EPA 6010B	I1D1343	200	ND	20	4/13/01	4/20/01	RL-1
rsenic	EPA 6010B	I1D1343	40	ND	20	4/13/01	4/20/01	RL-1
arium	EPA 6010B	I1D1343	20	**500**	20	4/13/01	4/20/01	RL-1
Beryllium	EPA 6010B	I1D1343	10	ND	20	4/13/01	4/20/01	RL-1
admium	EPA 6010B	I1D1343	10	ND	20	4/13/01	4/20/01	RL-1
hromium	EPA 6010B	I1D1343	20	**640**	20	4/13/01	4/20/01	RL-1
Cobalt	EPA 6010B	I1D1343	20	ND	20	4/13/01	4/20/01	RL-1
Copper	EPA 6010B	I1D1343	20	**64**	20	4/13/01	4/20/01	RL-1
ead	EPA 6010B	I1D1343	40	ND	20	4/13/01	4/20/01	RL-1
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
Molybdenum	EPA 6010B	I1D1343	40	ND	20	4/13/01	4/20/01	RL-1
ickel	EPA 6010B	I1D1343	20	ND	20	4/13/01	4/20/01	RL-1
elenium	EPA 6010B	I1D1343	40	ND	20	4/13/01	4/20/01	RL-1
Silver	EPA 6010B	I1D1343	20	ND	20	4/13/01	4/20/01	RL-1
Thallium	EPA 6010B	I1D1343	200	ND	20	4/13/01	4/20/01	RL-1
anadium	EPA 6010B	I1D1343	20	**200**	20	4/13/01	4/20/01	RL-1
Zinc	EPA 6010B	I1D1343	100	**380**	20	4/13/01	4/20/01	RL-1
Sample ID: IKD0480-08 (B-20-1.5 - Soil)								
ntimony	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
rsenic	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Barium	EPA 6010B	I1D1343	1.0	**97**	1	4/13/01	4/20/01	
eryllium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
dmium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
Chromium	EPA 6010B	I1D1343	1.0	**14**	1	4/13/01	4/20/01	
Cobalt	EPA 6010B	I1D1343	1.0	**4.0**	1	4/13/01	4/20/01	
opper	EPA 6010B	I1D1343	1.0	**9.3**	1	4/13/01	4/20/01	
ead	EPA 6010B	I1D1343	2.0	**4.9**	1	4/13/01	4/20/01	
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
olybdenum	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ckel	EPA 6010B	I1D1343	1.0	**8.4**	1	4/13/01	4/20/01	
Selenium	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
lver	EPA 6010B	I1D1343	1.0	ND	1	4/13/01	4/20/01	
allium	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
Vanadium	EPA 6010B	I1D1343	1.0	**35**	1	4/13/01	4/20/01	
Zinc	EPA 6010B	I1D1343	5.0	**30**	1	4/13/01	4/20/01	

D Mar Analytical, Irvine
Chris Roberts
Project Manager

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IT Corporation-Pasadena
2452 E. Foothill Blvd., 9th Floor
Pasadena, CA 91107
Attention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-01.1B 01300000
Report Number: IKD0480

Sampled: 04/13/01
Received: 04/13/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: 1KD0480-09 (BG-1 - Soil)								
Antimony	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
Arsenic	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Barium	EPA 6010B	I1D1343	1.0	**88**	1	4/13/01	4/20/01	
Beryllium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
Cadmium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
Chromium	EPA 6010B	I1D1343	1.0	**14**	1	4/13/01	4/20/01	
Cobalt	EPA 6010B	I1D1343	1.0	**5.3**	1	4/13/01	4/20/01	
Copper	EPA 6010B	I1D1343	1.0	**12**	1	4/13/01	4/20/01	
Lead	EPA 6010B	I1D1343	2.0	**2.9**	1	4/13/01	4/20/01	
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
Molybdenum	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Nickel	EPA 6010B	I1D1343	1.0	**8.8**	1	4/13/01	4/20/01	
Selenium	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Silver	EPA 6010B	I1D1343	1.0	ND	1	4/13/01	4/20/01	
Thallium	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
Vanadium	EPA 6010B	I1D1343	1.0	**39**	1	4/13/01	4/20/01	
Zinc	EPA 6010B	I1D1343	5.0	**39**	1	4/13/01	4/20/01	
Sample ID: IKD0480-10 (BG-2 - Soil)								
Antimony	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
Arsenic	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Barium	EPA 6010B	I1D1343	1.0	**92**	1	4/13/01	4/20/01	
Beryllium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
Cadmium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
Chromium	EPA 6010B	I1D1343	1.0	**21**	1	4/13/01	4/20/01	
Cobalt	EPA 6010B	I1D1343	1.0	**5.2**	1	4/13/01	4/20/01	
Copper	EPA 6010B	I1D1343	1.0	**14**	1	4/13/01	4/20/01	
Lead	EPA 6010B	I1D1343	2.0	**6.3**	1	4/13/01	4/20/01	
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
Molybdenum	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
Nickel	EPA 6010B	I1D1343	1.0	**10**	1	4/13/01	4/20/01	
Selenium	EPA 6010B	I1D1343	2.0	**2.1**	1	4/13/01	4/20/01	
Silver	EPA 6010B	I1D1343	1.0	ND	1	4/13/01	4/20/01	
Thallium	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
Vanadium	EPA 6010B	I1D1343	1.0	**38**	1	4/13/01	4/20/01	
Zinc	EPA 6010B	I1D1343	5.0	**48**	1	4/13/01	4/20/01	

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1f Corporation-Pasadena
3452 E. Foothill Blvd., 9th Floor
asadena, CA 91107
ttention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-01.1B 01300000
Report Number: IKD0480

Sampled: 04/13/01
Received: 04/13/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKD0480-11 (BG-3 - Soil)								
Antimony	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
rsenic	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
arium	EPA 6010B	I1D1343	1.0	**110**	1	4/13/01	4/20/01	
Beryllium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
admium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
hromium	EPA 6010B	I1D1343	1.0	**20**	1	4/13/01	4/20/01	
Cobalt	EPA 6010B	I1D1343	1.0	**5.8**	1	4/13/01	4/20/01	
opper	EPA 6010B	I1D1343	1.0	**14**	1	4/13/01	4/20/01	
ead	EPA 6010B	I1D1343	2.0	**4.6**	1	4/13/01	4/20/01	
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
Molybdenum	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ickel	EPA 6010B	I1D1343	1.0	13	1	4/13/01	4/20/01	
elenium	EPA 6010B	I1D1343	2.0	**2.3**	1	4/13/01	4/20/01	
Silver	EPA 6010B	I1D1343	1.0	ND	1	4/13/01	4/20/01	
hallium	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
anadium	EPA 6010B	I1D1343	1.0	37	1	4/13/01	4/20/01	
Zinc	EPA 6010B	I1D1343	5.0	**70**	1	4/13/01	4/20/01	
Sample ID: IKD0480-12 (BG-4 - Soil)								
ntimony	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
rsenic	EPA 6010B	I1D1343	2.0	**2.3**	1	4/13/01	4/20/01	
Barium	EPA 6010B	I1D1343	1.0	**100**	1	4/13/01	4/20/01	
eryllium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
admium	EPA 6010B	I1D1343	0.50	ND	1	4/13/01	4/20/01	
Chromium	EPA 6010B	I1D1343	1.0	**16**	1	4/13/01	4/20/01	
obalt	EPA 6010B	I1D1343	1.0	**6.1**	1	4/13/01	4/20/01	
opper	EPA 6010B	I1D1343	1.0	**14**	1	4/13/01	4/20/01	
Lead	EPA 6010B	I1D1343	2.0	**5.0**	1	4/13/01	4/20/01	
Mercury	EPA 7471A	I1D1732	0.020	ND	1	4/17/01	4/17/01	
olybdenum	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ickel	EPA 6010B	I1D1343	1.0	**10**	1	4/13/01	4/20/01	
Selenium	EPA 6010B	I1D1343	2.0	ND	1	4/13/01	4/20/01	
ilver	EPA 6010B	I1D1343	1.0	ND	1	4/13/01	4/20/01	
hallium	EPA 6010B	I1D1343	10	ND	1	4/13/01	4/20/01	
Vanadium	EPA 6010B	I1D1343	1.0	**38**	1	4/13/01	4/20/01	
inc	EPA 6010B	I1D1343	5.0	**50**	1	4/13/01	4/20/01	

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Chris Roberts
Pr ject Manager

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1f Corporation-Pasadena
3452 E. Foothill Blvd., 9th Floor
asadena, CA 91107
ttention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-01.1B 01300000
Report Number: IKD0480

Sampled: 04/13/01
Received: 04/13/01

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1D1343 Extracted: 04/13/01										
Blank Analyzed: 04/19/01 (I1D1343-BLK1)										
Antimony	ND	10	mg/kg							
Arsenic	ND	2.0	mg/kg							
Barium	ND	1.0	mg/kg							
Beryllium	ND	0.50	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	1.0	mg/kg							
Copper	ND	1.0	mg/kg							
Lead	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Nickel	ND	1.0	mg/kg							
Selenium	ND	2.0	mg/kg							
Silver	ND	1.0	mg/kg							
Thallium	ND	10	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	5.0	mg/kg							
LCS Analyzed: 04/19/01 (I1D1343-BS1)										
Antimony	52.6	10	mg/kg	50.0		105	80-120			
Arsenic	53.6	2.0	mg/kg	50.0		107	80-120			
Barium	49.5	1.0	mg/kg	50.0		99.0	80-120			
Beryllium	51.6	0.50	mg/kg	50.0		103	80-120			
Cadmium	49.6	0.50	mg/kg	50.0		99.2	80-120			
Chromium	49.8	1.0	mg/kg	50.0		99.6	80-120			
Cobalt	49.0	1.0	mg/kg	50.0		98.0	80-120			
Copper	51.0	1.0	mg/kg	50.0		102	80-120			
Lead	48.9	2.0	mg/kg	50.0		97.8	80-120			
Molybdenum	50.7	2.0	mg/kg	50.0		101	80-120			
Nickel	48.6	1.0	mg/kg	50.0		97.2	80-120			
Selenium	48.6	2.0	mg/kg	50.0		97.2	80-120			
Silver	25.2	1.0	mg/kg	25.0		101	80-120			
Thallium	47.5	10	mg/kg	50.0		95.0	80-120			
Vanadium	50.9	1.0	mg/kg	50.0		102	80-120			
Zinc	49.2	5.0	mg/kg	50.0		98.4	80-120			

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Pasadena, CA 91107
Attention: Stuart Michener

Project ID: Fontana Steel, Inc
660-01.1B 01300000
Report Number: IKD0480

Sampled: 04/13/01
Received: 04/13/01

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1D1343 Extracted: 04/13/01										
Matrix Spike Analyzed: 04/19/01 (I1D1343-MS1)					**Source: IKD0405-23**					
Antimony	29.7	10	mg/kg	50.0	ND	57.0	75-125			*M2*
Arsenic	53.1	2.0	mg/kg	50.0	2.4	101	75-125			
Barium	162	1.0	mg/kg	50.0	100	124	75-125			
Beryllium	48.7	0.50	mg/kg	50.0	ND	97.4	75-125			
Cadmium	47.0	0.50	mg/kg	50.0	ND	93.1	75-125			
Chromium	54.7	1.0	mg/kg	50.0	6.8	95.8	75-125			
Cobalt	51.5	1.0	mg/kg	50.0	5.4	92.2	75-125			
Copper	69.2	1.0	mg/kg	50.0	19	100	75-125			
Lead	65.3	2.0	mg/kg	50.0	9.1	112	75-125			
Molybdenum	45.5	2.0	mg/kg	50.0	ND	91.0	75-125			
Nickel	49.5	1.0	mg/kg	50.0	3.8	91.4	75-125			
Selenium	46.9	2.0	mg/kg	50.0	ND	92.0	75-125			
Silver	23.8	1.0	mg/kg	25.0	ND	95.2	75-125			
Thallium	47.0	10	mg/kg	50.0	ND	91.8	75-125			
Vanadium	103	1.0	mg/kg	50.0	53	100	75-125			
Zinc	84.9	5.0	mg/kg	50.0	36	97.8	75-125			
Matrix Spike Dup Analyzed: 04/19/01 (I1D1343-MSD1)					**Source: IKD0405-23**					
Antimony	26.6	10	mg/kg	50.0	ND	50.8	75-125	11.0	20	*M2*
Arsenic	50.6	2.0	mg/kg	50.0	2.4	96.4	75-125	4.82	20	
Barium	173	1.0	mg/kg	50.0	100	146	75-125	6.57	20	*M1*
Beryllium	47.2	0.50	mg/kg	50.0	ND	94.4	75-125	3.13	20	
Cadmium	46.0	0.50	mg/kg	50.0	ND	91.1	75-125	2.15	20	
Chromium	51.2	1.0	mg/kg	50.0	6.8	88.8	75-125	6.61	20	
Cobalt	49.4	1.0	mg/kg	50.0	5.4	88.0	75-125	4.16	20	
Copper	64.7	1.0	mg/kg	50.0	19	91.4	75-125	6.72	20	
Lead	50.7	2.0	mg/kg	50.0	9.1	83.2	75-125	25.2	20	*R*
Molybdenum	44.7	2.0	mg/kg	50.0	ND	89.4	75-125	1.77	20	
Nickel	47.7	1.0	mg/kg	50.0	3.8	87.8	75-125	3.70	20	
Selenium	46.1	2.0	mg/kg	50.0	ND	90.4	75-125	1.72	20	
Silver	23.2	1.0	mg/kg	25.0	ND	92.8	75-125	2.55	20	
Thallium	45.8	10	mg/kg	50.0	ND	89.4	75-125	2.59	20	
Vanadium	93.0	1.0	mg/kg	50.0	53	80.0	75-125	10.2	20	
Zinc	76.3	5.0	mg/kg	50.0	36	80.6	75-125	10.7	20	

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Chris Roberts
Project Manager

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Pasadena, CA 91107
Attention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-01.1B 01300000
Report Number: IKD0480

Sampled: 04/13/01
Received: 04/13/01

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1D1732 Extracted: 04/17/01										
Blank Analyzed: 04/17/01 (I1D1732-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 04/17/01 (I1D1732-BS1)										
Mercury	0.760	0.020	mg/kg	0.800		95.0	85-120			
Matrix Spike Analyzed: 04/17/01 (I1D1732-MS1)					Source: IKD0403-05					
Mercury	0.743	0.020	mg/kg	0.800	ND	91.6	65-135			
Matrix Spike Dup Analyzed: 04/17/01 (I1D1732-MSD1)					Source: IKD0403-05					
Mercury	0.729	0.020	mg/kg	0.800	ND	89.9	65-135	1.90	20	

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Attention: Stuart Michener

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660-01.1B 01300000
Report Number: IKD0480

Sampled: 04/13/01
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DATA QUALIFIERS AND DEFINITIONS

M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
R	The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
RL-1	Reporting limit raised due to sample matrix interference.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR	Not reported.
RPD	Relative Percent Difference

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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LABORATORY REPORT

Prepared For: IT Corporation-Pasadena
3452 E. Foothill Blvd., 9th Floor
Pasadena, CA 91107

Attention: Stuart Michener
Project: Fontana Steel, Inc.
660-0.1B 01300000

Sampled: 04/13/01
Received: 04/13/01
Reported: 05/03/01

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Michelle Harper

Del Mar Analytical, Irvine
Michele Harper For Chris Roberts
Project Manager

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Attention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-0.1B 01300000
Report Number: IKD0993

Sampled: 04/13/01
Received: 04/13/01

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKD0993-01 (B-15-1.5 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	ND	1	4/30/01	4/30/01	
ample ID: IKD0993-02 (B-16-1.5 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	ND	1	4/30/01	4/30/01	
Sample ID: IKD0993-03 (B-17-1.5 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	ND	1	4/30/01	4/30/01	
ample ID: IKD0993-04 (B-18-1.5 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	ND	1	4/30/01	4/30/01	
ample ID: IKD0993-05 (B-18-11.5 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	**0.39**	1	4/30/01	4/30/01	
Sample ID: IKD0993-06 (B-19-1.5 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	**2.0**	1	4/30/01	4/30/01	
ample ID: IKD0993-07 (B-19A-7.5 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	**1.2**	1	4/30/01	4/30/01	
Sample ID: IKD0993-08 (B-20-1.5 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	ND	1	4/30/01	4/30/01	

Del Mar Analytical, Irvine
Michele Harper For Chris Roberts
Project Manager

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Del Mar Analytical

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9484 Chesapeake Dr. Suite 805, San Diego, CA 92123 (858) 505-9596 FAX (858) 505-9689
9830 South 51st St. Suite B-120 Phoenix AZ 85044 (480) 785-0043 FAX (480) 785-0851

IT Corporation-Pasadena
~452 E. Foothill Blvd., 9th Floor
asadena, CA 91107
Attention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-0.1B 01300000
Report Number: IKD0993

Sampled: 04/13/01
Received: 04/13/01

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKD0993-09 (BG-1 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	ND	1	4/30/01	4/30/01	
ample ID: IKD0993-10 (BG-2 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	**0.24**	1	4/30/01	4/30/01	
Sample ID: IKD0993-11 (BG-3 - Soil)								
hromium VI	EPA 7199	I1D3060	0.20	ND	1	4/30/01	4/30/01	
ample ID: IKD0993-12 (BG-4 - Soil)								
Chromium VI	EPA 7199	I1D3060	0.20	ND	1	4/30/01	4/30/01	

Del Mar Analytical, Irvine
Michele Harper For Chris Roberts
P ject Manager

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IT Corporation-Pasadena
152 E. Foothill Blvd., 9th Floor
asadena, CA 91107
Attention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-0.1B 01300000
Report Number: IKD0993

Sampled: 04/13/01
Received: 04/13/01

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1D3060 Extracted: 04/30/01										
Blank Analyzed: 04/30/01 (I1D3060-BLK1)										
Chromium VI	ND	0.20	mg/kg							
LCS Analyzed: 04/30/01 (I1D3060-BS1)										
Chromium VI	5.88	0.20	mg/kg	5.00		118	80-120			
Matrix Spike Analyzed: 04/30/01 (I1D3060-MS1)					**Source: IKD0993-01**					
Chromium VI	5.93	0.20	mg/kg	5.00	ND	117	75-125			
Matrix Spike Dup Analyzed: 04/30/01 (I1D3060-MSD1)					**Source: IKD0993-01**					
Chromium VI	5.67	0.20	mg/kg	5.00	ND	112	75-125	4.48	20	

Del Mar Analytical, Irvine
Michele Harper For Chris Roberts
Project Manager

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7277 Hayvenhurst Suite B-12 Van Nuys CA 91406 (818) 779-1844 FAX (818) 779-1843
9484 Chesapeake Dr Suite 605, San Diego, CA 92123 (858) 505-9596 FAX (858) 505-9689
9830 South 51st St Suite B-120, Phoenix AZ 85044 (480) 785-0043 FAX (480) 785-0851

IT Corporation-Pasadena
2452 E. Foothill Blvd., 9th Floor
Pasadena, CA 91107
Attention: Stuart Michener

Project ID: Fontana Steel, Inc.
660-0.1B 01300000
Report Number: IKD0993

Sampled: 04/13/01
Received: 04/13/01

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

NR Not reported

RPD Relative Percent Difference

Del Mar Analytical, Irvine
Michele Harper For Chris Roberts
Project Manager

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Appendix D - Chain-of-Custody Forms

Del Mar Analytical

1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16[illegible]an Way [illegible]l, Van [illegible] 91406 779-18[illegible] (818) 7[illegible]
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-9689
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Site: Fontana Steel, Inc. 12451 Arrow Route, Rancho Cucamonga, CA

CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
IT CORP. (Fontana Steel, Inc) 3452 E. Foothill Blvd, 9th Flr Pasadena, CA 91107	660-01.1B 01300000
Project Manager: Stuart Michener	**Phone Number:** 626-304-1524
Sampler: Ryan Haughy	**Fax Number:** 626-535-9076

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Analysis Required: Title 22 metals EPA 6010B/7471A	Analysis Required: Cr 6+ EPA 7199	Special Instructions
B-15 -1.5 ff		stainless steel	1	4-13-01	ICE			
B-16-1.5	SOIL GVL		1	4-13-01 0925	ICE	X	X	
B-17-1.5	SOIL GVL		1	4-13-01 1125	ICE	X	X	
B-18-1.5	SOIL GVL		1	4-13-01 0840	ICE	X	X	
B-18-10.5	SLAG		1	4-13-01 0905	ICE	X	X	
B-19-1.5	SOIL GVL		1	4-13-01 0950	ICE	X	X	
B-19A-7.5	SLAG		1	4-13-01 1045	ICE	X	X	
B-20-1.5	SOIL GVL		1	4-13-01 1105	ICE	X	X	
BG-1	SOIL		1	4-13-01 1217	ICE	X	X	
BG-2	SOIL		1	4-13-01 1300	ICE	X	X	
BG-3	SOIL		1	4-13-01 1250	ICE	X	X	
BG-4	SOIL		1	4-13-01 1230	ICE	X	X	

Relinquished By:	Date /Time:	Received by:	Date /Time:
Ryan Haughy	4-13-01 1315	Lonnie Schielke	4-13-01 13:15
Lonnie Schielke	4-13-01 2:40	Rick Sheridan	4-13-01 2:40
Rick Sheridan	4-13-01 1525	Received in Lab by:	Date /Time:
		[illegible]	4/13/01 1525

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice X 3°C

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Department of Toxic Substances Control

Edwin F Lowry, Director
5796 Corporate Avenue
Cypress, California 90630

Winston H Hickox
Agency Secretary
California Environmental
Protection Agency

Gray Davis
Governor

December 20, 2001

Mr. Tom Kaney
General Manager
Fontana Steel, Incorporated
12451 Arrow Route
Rancho Cucamonga, California 91729-2219

FONTANA STEEL, INCORPORATED PROPERTY
12451 ARROW ROUTE RANCHO CUCAMONGA, CALIFORNIA
VOLUNTARY CLEANUP AGREEMENT (VCA) DOCKET NO. HSA-A 00/01-153

Dear Mr. Kaney:

The Department of Toxic Substances Control (DTSC) has completed review of the Preliminary Endangerment Assessment (PEA) dated September 2001 (revised October 2001) for the subject Site. The Site referenced by this letter, according to Exhibit A of the above mentioned VCA, is a portion of Parcel Map 7822 as recorded in Book 82, pages 48-51, located in the office of the County Recorder of the County of San Bernardino, California. A copy of the legal description of the Site is enclosed.

DTSC provided guidance and oversight for the development and implementation of the PEA. The refereneced Site was once used as a disposal area for electric arc furnace dust. Soil sampling and analysis were conducted for the following chemicals of concern: antimony, arsenic, barium, beryllium, cadmium, chromium (total and hexavalent), cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, titanium, vanadium, and zinc. The PEA compared the chemical levels found with health based criteria for unrestricted land use and evaluated the threat of these chemicals to public health and the environment.

Based on DTSC's review of the PEA, the Site does not appear to pose a threat to human health or the environment under any land use. Therefore, DTSC determines that no further action is necessary with respect to investigation and remediation of hazardous substances at the Site.

As with any real property, if previously unidentified contamination is discovered at the Site, additional assessment, investigation and/or cleanup may be required.

If you have any questions regarding this determination, please contact Dan Zogaib, Project Manager, at (714) 484-5483, or me at (714) 484-5459.

Sincerely,

Thomas M. Cota, Chief
Southern California Cleanup Operations Branch - Cypress

Enclosure

cc: Dr. William S. Bosan
Staff Toxicologist
Human and Ecological Risk Division
Department of Toxic Substances Control
1011 N. Grandview Avenue
Glendale, California 91201

Mr. Stuart Michener, R.G., R.E.A.
Senior Geologist/Project Manager
IT Corporation
3452 E. Foothill Boulevard, 9th Floor
Pasadena, California 91107-2066

The energy challenge facing California is real Every Californian needs to take immediate action to reduce energy consumption For a list of simple ways you can reduce demand and cut your energy costs see our Web-site at www dtsc ca gov

♻Printed on Recycled Paper

Legal Description of Site

Beginning at the southwesterly corner of said Parcel 1; thence,

Along the Southerly line of Parcel 1 a bearing of S 89° 41' 15" E for a distance of 328.57 feet to the True Point of Beginning (TPOB); thence,

N 01° 27' 40" E for a distance of 254.51 feet to the southeast corner of the existing steel building support; thence,
N 01° 27' 40" E for a distance of 49.99 feet; thence,
S 89° 41' 15" E for a distance of 300.00 feet; thence,
S 01° 27' 40" W for a distance of 304.50 feet, more or less, to the southerly property line of said Parcel 1; thence,
Along said southerly property line N 89° 41' 15" W for a distance of 300.00 feet to the TPOB.

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STATE OF CALIFORNIA

ENVIRONMENTAL PROTECTION AGENCY

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of: BTC III Arrow Route 12451 Arrow Route Rancho Cucamonga, California 91739 Proponent: BTC III Arrow Route CC LP 4675 MacArthur Court, Suite 625 Newport Beach, California 92660	Docket No. HSA-FY22/23-019 Standard Voluntary Agreement Health and Safety Code Section 25355.5(a)(1)(C)”

The California Department of Toxic Substances Control (DTSC) and BTC III Arrow Route CC LP (Proponent) enter into this Standard Voluntary Agreement (Agreement) and agree as follows:

1. Site. This Agreement applies to the Site located at 12451 Arrow Route; Rancho Cucamonga, in San Bernardino County, California 91739 (Site), identified by San Bernardino County Assessor's Parcel Number(s) 0229-121-34, 0229-121- 33, 0229-131-19, and 0229-121-35, and any off-site area to which hazardous substances have or may have migrated from the Site. The Site is approximately 95.0 acres in size and is bounded to the north by Arrow Route and to the south by the Atchison Topeka and Santa Fe Railroad. The Site and surrounding area are zoned for commercial/industrial land use. Parallel Products (a chemical manufacturer) is located adjacent to the west of the Site. Adjacent to the north is a warehousing/distribution facility. Warehousing and distribution facilities are located to the east of the subject property. A former Southern California Edison generating station, which is currently under industrial redevelopment, is located across the railroad tracks to the south of the Site. The closest residential properties are located approximately 0.4 miles northwest of the Site. No churches or schools have been identified within 0.5 miles from the Site. A Site location map and a Site diagram are attached as Exhibits A and B.

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2. Jurisdiction. This Agreement is entered into by DTSC and Proponent pursuant to Health and Safety Code section 25355.5(a)(1)(C), which authorizes DTSC to enter into an enforceable agreement to oversee investigation and/or remediation of a release or a threatened release of any hazardous substance at or from the Site.

3. Purpose. The purpose of this Agreement is for Proponent to investigate, remediate, and/or evaluate a release, a threatened release, or a potential release of any hazardous substance at or from the Site under the oversight of DTSC. The purpose of this Agreement is also for DTSC to obtain reimbursement from Proponent for DTSC's oversight costs incurred pursuant to this Agreement.

4. Ownership and Notification.

4.1. The Site is owned by BTC III Arrow Route CC LP.

4.2. Prior to DTSC providing oversight or review or comment on any document, Proponent shall provide DTSC with all of the following: (a) proof of the identity of all current record owners of fee title to the Site and their mailing addresses; (b) written evidence that the owners of record have been sent a notice that describes the actions completed or proposed by Proponent; and (c) an acknowledgment of the receipt of the notice required in subparagraph (b) from the property owners or proof that Proponent has made reasonable efforts to deliver the notice to the property owner and was unable to do so.

4.3. Proponent shall notify DTSC of any changes in ownership of the Site subsequent to the Effective Date of this Agreement and provide written evidence that Proponent notified the new owner(s) of record of the actions completed or proposed by Proponent under this Agreement.

5. Substances Found at the Site. Based on the information available to DTSC and Proponent, the Site is or may be contaminated with hazardous substances, including volatile organic compounds, pesticides/herbicides, petroleum hydrocarbons and metals.

6. Scope of Work and DTSC Oversight. DTSC shall review and provide Proponent with written comments on all Proponent’s deliverables as described in Exhibit C (Scope of Work) and other documents applicable to the scope of the project. DTSC shall provide oversight of field activities, including sampling and remedial activities, as appropriate. Proponent agrees to perform all the work required by this Agreement. Proponent shall perform the work in accordance with applicable local, state and federal

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statutes, regulations, ordinances, rules and guidance documents, in particular, Health and Safety Code section 25300 et seq., as amended.

7. Additional Activities. DTSC and Proponent may amend this Agreement to include additional activities in accordance with Paragraph 18 of this Agreement. If DTSC expects to incur additional oversight costs for these additional activities, it will provide an estimate of the additional oversight costs to Proponent.

8. Endangerment During Implementation.

8.1 Proponent shall notify DTSC's Project Manager immediately upon learning of any condition that may pose an immediate threat to public health or safety or the environment. Within seven days of the onset of such a condition, Proponent shall furnish a report to DTSC, signed by Proponent's Project Manager, setting forth the conditions and events that occurred and the measures taken in response thereto.

8.2 In the event DTSC determines that any activity (whether or not pursued in compliance with this Agreement) may pose an imminent or substantial endangerment to the health or safety of people on the Site or in the surrounding area or to the environment, DTSC may order Proponent to conduct additional activities in accordance with Paragraph 7 of this Agreement or to stop further implementation of this Agreement for such period of time as may be needed to abate the endangerment. DTSC may request that Proponent implement interim measures to address any immediate threat or imminent or substantial endangerment.

9. Access. Proponent shall provide, and/or obtain access to the Site and take all reasonable efforts to obtain access to offsite areas to which access is necessary to implement the Agreement. Such access shall be provided to DTSC's employees, contractors, and consultants at all reasonable times. Nothing in this paragraph is intended or shall be construed to limit in any way the right of entry or inspection that DTSC or any other agency may otherwise have by operation of law.

10. Sampling, Data and Document Availability. When requested by DTSC, and as necessary to implement the Agreement, Proponent shall make available for DTSC's inspection, and shall provide copies of, all data and information concerning contamination at or from the Site, including technical records and contractual documents, sampling and monitoring information and maps, whether or not such data and information was developed pursuant to this Agreement (subject to applicable attorney-client or work product privileges that may apply). For all final reports,

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Proponent shall submit one hard (paper) copy and one electronic copy with all applicable signatures and certification stamps as a text-readable Portable Document Formatted (pdf) file compatible with Adobe Acrobat or a formatted file compatible with Microsoft Word. Proponent shall provide the electronic copy via EnviroStor's Electronic Submittal of Information (ESI) portal unless otherwise instructed by DTSC. Additionally, Proponent shall upload sampling data to the ESI portal in the Electronic Deliverable Format (EDF). Proponent reserves the right to claim confidential business information with respect to such documents.

11. Photographs and Drawings. Proponent shall allow DTSC to take photographs of the Site, as necessary to implement the Agreement, when DTSC accesses the Site pursuant to Paragraph 9. DTSV shall request written approval from Proponent prior to any distribution, transmission, publication, or copying, in any medium, either in whole or in part, the photographs or drawings DTSC obtains pursuant to this paragraph, including, but not limited to, project documentation, public outreach, web and social media content, and marketing materials. Proponent reserves the right to claim confidential business information with respect to such photographs and drawings.

12. Record Preservation. Proponent shall retain, during the implementation of this Agreement and for a minimum of six years after its termination, all data, reports, and other documents that relate to the performance of this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, Proponent shall either comply with the request, deliver the documents to DTSC, or permit DTSC to copy the documents at Proponent's expense prior to destruction.

13. Notification of Field Activities. Proponent shall inform DTSC at least seven days in advance of all field activities pursuant to this Agreement and shall allow DTSC and its authorized representatives to take duplicates of any samples collected by Proponent pursuant to this Agreement.

14. Project Managers. Within 14 days of the effective date of this Agreement, DTSC and Proponent shall each designate a Project Manager and shall notify each other in writing of the Project Manager selected. The Proponent's Project Manager shall have the technical expertise in project management, regulatory compliance, and hazardous substance site investigation and remediation sufficient to fulfill his or her responsibilities. Each Project Manager shall be responsible for overseeing the implementation of this Agreement and for designating a person to act in his/her absence. All communications between DTSC and Proponent, and all notices,

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documents and correspondence concerning the activities performed pursuant to this Agreement shall be directed through the Project Managers. Each party may change its Project Manager with at least seven days prior written notice.

15. Proponent's Consultant and Contractor. All engineering work performed pursuant to this Agreement shall be under the direction and supervision of a registered professional engineer licensed in California, with expertise in hazardous substance site investigation and remediation. All geological work performed pursuant to this Agreement shall be under the direction and supervision of a registered professional geologist licensed in California, with expertise in hazardous substance site investigation and remediation. Proponent's contractors and consultants shall have the technical expertise sufficient to fulfill his or her responsibilities. Within 14 days of the effective date of this Agreement, Proponent shall notify DTSC's Project Manager in writing of the name, title, and qualifications of the registered professional engineer and/or professional geologist and of any contractors or consultants and their personnel to be used in carrying out the work under this Agreement in conformance with applicable state law, including but not limited to, Business and Professions Code sections 6735 and 7835.

16. DTSC Review and Approval. All work performed pursuant to this Agreement is subject to DTSC's review and approval. If DTSC determines that any report, plan, schedule or other document submitted for approval pursuant to this Agreement fails to comply with this Agreement or fails to protect public health or safety or the environment, DTSC may (a) return comments to Proponent with recommended changes and a date by which the Proponent must submit to DTSC a revised document incorporating or addressing the recommended changes; or (b) modify the document in consultation with Proponent and approve the document as modified. All DTSC approvals and decisions made regarding submittals and notifications will be communicated to Proponent in writing by DTSC's Branch Chief or his/her designee. No informal advice, guidance, suggestions or comments by DTSC regarding reports, plans, specifications, schedules or any other writings by the Proponent shall be construed to relieve Proponent of the obligation to obtain such written approvals.

17. Payment.

17.1 Proponent is required to pay (a) all costs incurred by DTSC in association with preparation of this Agreement, and for oversight activities, including review of documents, conducted prior to the effective date of this Agreement; and (b) all costs

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incurred by DTSC in providing oversight pursuant to this Agreement, including review of the documents and activities described in Exhibit C and associated documents, and oversight of field activities. Costs incurred include interest on unpaid amounts that are billed and outstanding more than 60 days from the date of the invoice.

17.2 An estimate of DTSC's oversight costs is attached as Exhibit D. It is understood by the parties that Exhibit D is an estimate and cannot be relied upon as the final cost figure. DTSC may provide an adjusted cost estimate as the work progresses. Prior to adjusting the cost estimate, DTSC will provide Proponent with a written notice and a detailed explanation of the change to the cost estimate. DTSC will bill Proponent quarterly. Proponent agrees to make payment within 30 days of receipt of DTSC's billing. Such billings will reflect any amounts that have been advanced to DTSC by Proponent.

17.3 In anticipation of oversight activities to be conducted, Proponent shall make an advance payment of $42,357 to DTSC no later than 10 days after this Agreement is fully executed. It is expressly understood and agreed that DTSC's receipt of the entire advance payment as provided in this paragraph is a condition precedent to DTSC's obligation to provide oversight, review of or comment on documents. DTSC will draw-down from the advance payment, which will be documented in DTSC's invoice. When the advance payment is depleted, DTSC will continue to request payment through the invoice process.

17.4 All payments made by Proponent pursuant to this Agreement shall be by check payable to the "Department of Toxic Substances Control" and bearing on its face the project code for the Site (Site # 400885) and the docket number HSA-FY22/23-019 of this Agreement. Upon request by Proponent, DTSC may accept payments made by credit cards or electronic funds transfer. Payments by check shall be sent to:

Accounting Office
Department of Toxic Substances Control
P.O. Box 806
Sacramento, California 95812-0806

A photocopy of the check shall be sent concurrently to DTSC's Project Manager.

17.5 DTSC shall retain all cost records associated with the work performed under this Agreement as may be required by state law. DTSC will make all documents

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that support DTSC's cost determination available for inspection upon request in accordance with the Public Records Act, Government Code section 6250 et seq.

17.6 In addition to direct costs incurred by DTSC, DTSC also bills its indirect costs associated with direct staff costs. Such indirect costs are only applied to DTSC direct labor costs and not to DTSC contractor costs or DTSC staff travel costs. DTSC calculates separate indirect cost rates (salary/benefits and general operating costs) for each of its major programs (Site Mitigation and Restoration, Hazardous Waste Management, and Safer Products and Workplaces Programs). Because the ratio of direct to indirect costs varies among DTSC's various programs, the indirect cost rates associated with those programs will also vary. Pursuant to Health and Safety Code section 25269.4, the Department calculates and updates its indirect cost rates every six months. These indirect rates are reflected in the Cost Estimate in Exhibit D.

18. Amendments. This Agreement may be amended in writing by mutual agreement of DTSC and Proponent. Such amendment shall be effective the third business day following the day the last party signing the amendment sends its notification of signing to the other party. The parties may agree to a different effective date.

19. Termination for Convenience.

19.1 Except as otherwise provided in this paragraph, each party to this Agreement reserves the right to unilaterally terminate this Agreement for any reason. Termination may be accomplished by giving a 30-day advance written notice of the election to terminate this Agreement to the other party. In the event that this Agreement is terminated under Paragraph 19.1, Proponent shall be responsible for DTSC costs through the effective date of termination.

19.2 If operation and maintenance activities are required for the final remedy, Proponent may not terminate the Agreement under Paragraph 19.1 upon DTSC's approval of an Operation and Maintenance Plan as proposed by Proponent, unless an Operation and Maintenance Agreement is entered into between DTSC and Proponent or between DTSC and a party responsible for the required operation and maintenance activities.

20. Calendar of Tasks and Schedules. The attached Exhibit E (Calendar of Tasks and Schedules) is merely for the convenience of listing in one location the submittals required by this Agreement. The Calendar of Tasks and Schedules lists activities specific to this project based on the available information. DTSC and

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Proponent shall make a reasonable effort to complete the activity within the schedule outlined in Exhibit E. A schedule for each related activity shall be established as part of this Agreement.

If Proponent is unable to meet the activity's schedule, Proponent will notify DTSC's Project Manager 10 days prior to the scheduled action or submittal date. If DTSC is unable to meet the activity's schedule, DTSC will notify Proponent 10 days prior to the scheduled action or submittal date.

21. Incorporation of Exhibits, Plans and Reports. All exhibits are incorporated into this Agreement by reference. All plans, schedules and reports that require DTSC's approval and are submitted by Proponent pursuant to this Agreement are incorporated in this Agreement upon DTSC's approval.

22. Reservation of Rights. DTSC reserves all of its statutory and regulatory powers, authorities, rights, and remedies under applicable laws to protect public health or the environment, including the right to recover its costs incurred therefor. Proponent reserves all of its statutory and regulatory rights, defenses and remedies available to the Proponent under applicable laws.

23. Non-Admission of Liability. By entering into this Agreement, Proponent does not admit to any finding of fact or conclusion of law set forth in this Agreement or any fault or liability under applicable laws.

24. Proponent Liabilities. Nothing in this Agreement shall constitute or be considered a covenant not to sue, release or satisfaction from liability by DTSC for any condition or claim arising as a result of Proponent's past, current, or future operations or ownership of the Site.

25. Government Liabilities. The State of California or DTSC shall not be liable for any injuries or damages to persons or the Site resulting from acts or omissions by Proponent or by related parties in carrying out activities pursuant to this Agreement, nor shall the State of California or DTSC be held as a party to any contract entered into by Proponent or its agents in carrying out the activities pursuant to this Agreement.

26. Third Party Actions. In the event that Proponent is a party to any suit or claim for damages or contribution relating to the Site to which DTSC is not a party, Proponent shall notify DTSC in writing within 10 days after service of the complaint in the third-party action. Proponent shall pay all costs incurred by DTSC relating to such third-party actions, including but not limited to responding to subpoenas.

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27. California Law. This Agreement shall be governed, performed and interpreted under the laws of the State of California.

28. Severability. If any portion of this Agreement is ultimately determined not to be enforceable, that portion will be severed from the Agreement and the severability shall not affect the enforceability of the remaining provisions of the Agreement.

29. Parties Bound. This Agreement applies to and is binding, jointly and severally, upon Proponent and its agents, receivers, trustees, successors and assignees, and upon DTSC and any successor agency that may have responsibility for and jurisdiction over the subject matter of this Agreement. Proponent shall ensure that its contractors, subcontractors and agents receive a copy of this Agreement and comply with this Agreement.

30. Effective Date. The effective date of this Agreement is the date of signature by DTSC's authorized representative after this Agreement is first signed by Proponent's authorized representative. Except as otherwise specified, "days" means calendar days.

31. Representative Authority. Each undersigned representative of the party to this Agreement certifies that she or he is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind the party to this Agreement.

32. Counterparts. This Agreement may be executed and delivered in any number of counterparts, each of which when executed and delivered shall be deemed to be an original, but such counterparts shall together constitute one and the same document. This Agreement and documents related to it may be executed and transmitted by facsimile or pdf copy, which copies shall be deemed to be, and utilized in all respects as, an original. However, Proponent must provide the wet-inked signed original of each counterpart to DTSC by mail within 14 calendar days of signing.

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Javier Hinojosa

10/12/2022

Date: _____

Javier Hinojosa
Branch Chief
Site Mitigation and Restoration Program
Department of Toxic Substances Control

_____ Date: _____

BTC III ARROW ROUTE CC LP,
a Delaware limited partnership

By: BTC III Arrow Route CC GP LLC,
a Delaware limited liability company, its General Partner

By: Build-To-Core Industrial Partnership III LLC,
a Delaware limited liability company, its Sole Member

By: BCG BTC III Managing Member LLC,
a Delaware limited liability company,
its Investment Managing Member

DocuSigned by:
By: Chris Sanford
CC47D092422745D...

Name: Chris Sanford

Title: Principal

Date: 10/4/2022

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LIST OF EXHIBITS TO THE AGREEMENT

EXHIBIT A: SITE LOCATION MAP

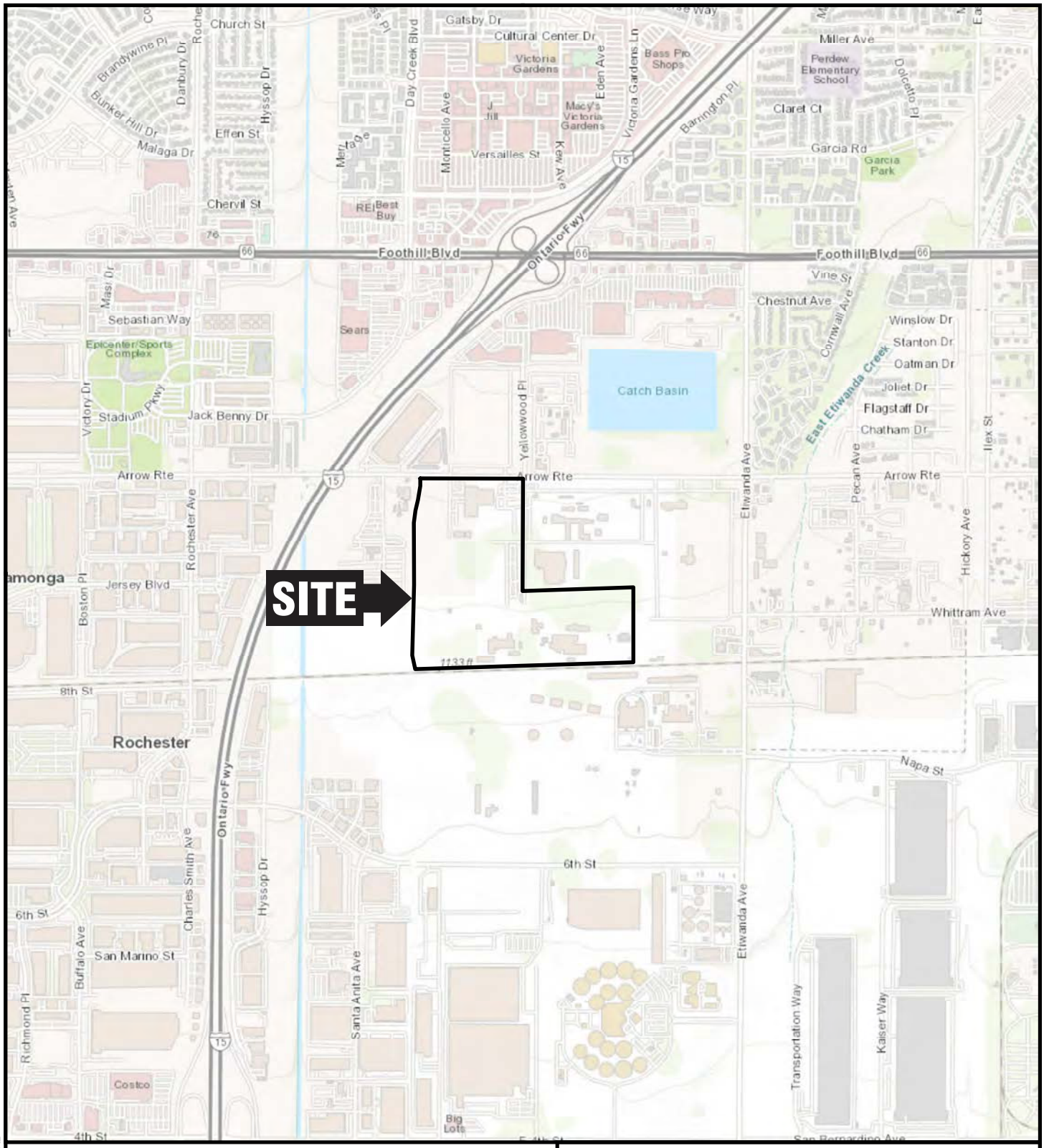
EXHIBIT B: SITE DIAGRAM

EXHIBIT C: SCOPE OF WORK

EXHIBIT D: COST ESTIMATE FOR DTSC OVERSIGHT SERVICES

EXHIBIT E: CALENDAR OF TASKS AND SCHEDULE

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LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ACQUISITIONS, LLC

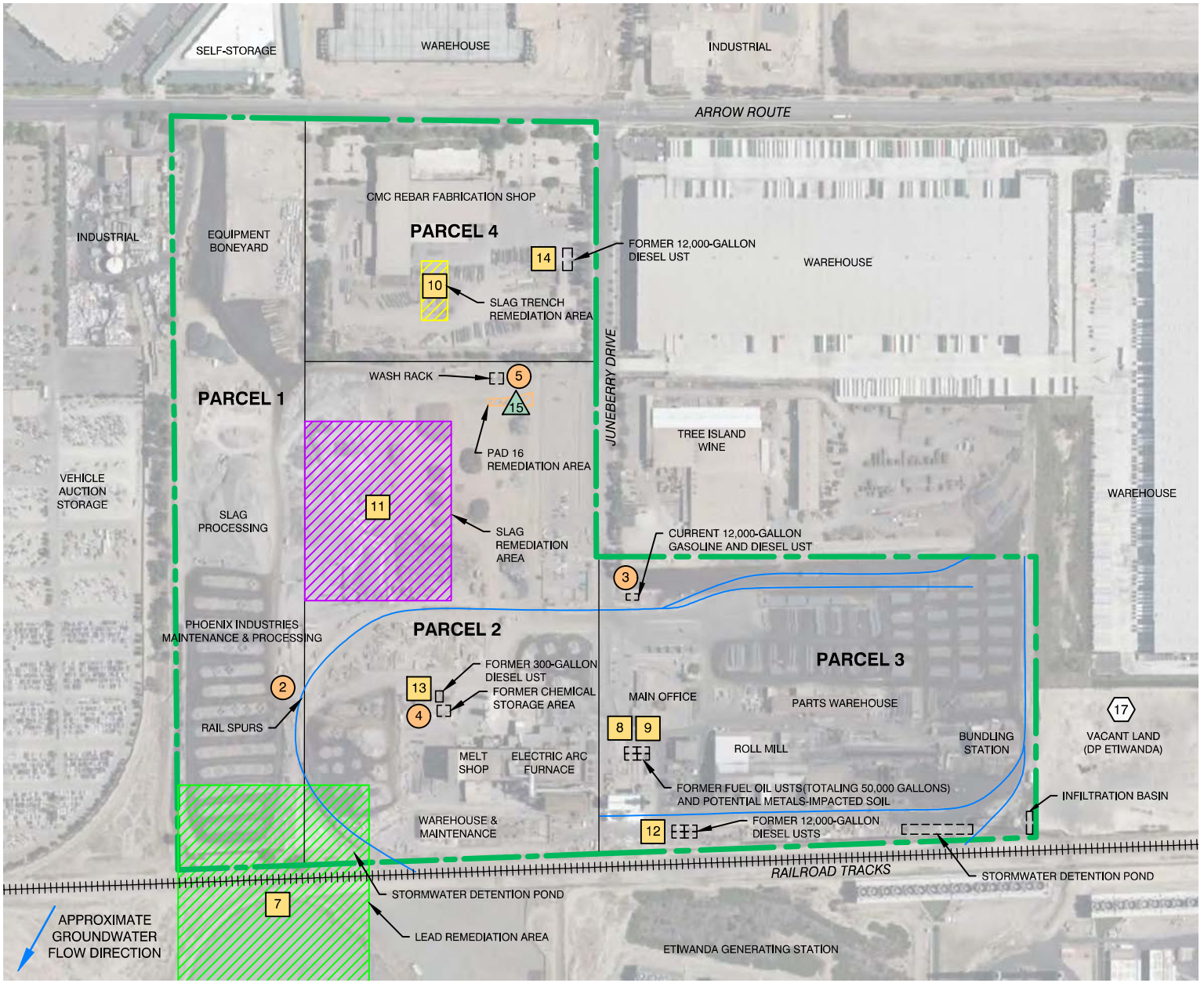
ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: M.J.N.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

EXHIBIT A

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LEGEND

- PARCEL BOUNDARIES
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- 1 — RECOGNIZED ENVIRONMENTAL CONDITION (REC)
- 7 — HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITION (hREC)
- 15 — CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITION (cREC)
- 16 — OTHER ENVIRONMENTAL FEATURE (OEF)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES

REC 1: SITE-WIDE TPH AND METALS TO SOIL AND VOC IMPACTS TO SOIL VAPOR

REC 6: POTENTIAL INACTIVE ON-SITE USTs

OEF 16: HISTORICAL SITE-WIDE AGRICULTURAL USE

OEF 18: SITE-WIDE BURIED SLAG MATERIAL

N

300' 0 300'

Title:

SITE DIAGRAM

12459-B ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ACQUISITIONS LLC

ROUX

Compiled by: C.J.	Date: 03 DEC 2021
Prepared by: C.J.	Scale: AS SHOWN
Project Mgr: M.J.N.	Project: 3200.0007L
File: 001_3200.0007L_SITE PLAN.DWG	

EXHIBIT B

\\SRV\LACAFP1\LA SHARED\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\001_3200.0007L_SITE PLAN.DWG

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EXHIBIT C
SCOPE OF WORK

In the event that DTSC determines that further action is needed upon completion of Task xxx, the following additional tasks may be requested. Additional tasks will be included as a new cost estimate and scope of work to this Agreement.

The following tasks will be completed as part of this Agreement:

TASK 1 Document Review

Proponent will submit to DTSC available background information, environmental assessment reports, and any other information pertinent to the hazardous substance management, release, characterization, and/or cleanup of the Site. DTSC may review some or all the information to identify areas and media of concern and to determine the additional work, if any, required to complete the investigation (which includes assessment/evaluation activities not requiring field sampling) and/or remediation of the Site. Proponent may also provide environmental investigation and/or cleanup-related documents for a specific review to determine if actions conducted without DTSC oversight were protective of human health and the environment. The information submitted by Proponent shall be reviewed for conformance with DTSC standards for quality assurance/quality control, investigation, and remediation.

Based on DTSC's review, these documents may be considered to be Preliminary Endangerment Assessment equivalent documents.

Subsequent to its review, DTSC may issue correspondence to the Proponent describing deficiencies of the environmental investigation or cleanup, indicate a limited concurrence with the findings, or make a different determination based on specific circumstances and documents included in the review. For projects where the scope of work is limited to document review only, a formal scoping meeting may not be required, based on mutual agreement between DTSC and the Proponent.

Documents included in this task are:

1. Phase I Environmental Site Assessment (Roux Associates, Inc., October 28, 2021)
2. Phase II Environmental Site Assessment Report (Roux Associates, Inc. 2022)
3. Soil Vapor Extraction Pilot Test Technical Memorandum (Roux Associates, Inc. 2022)
4. Preliminary Endangerment Assessment Equivalent Report (Roux Associates, Inc. 2022)

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TASK 2 Scoping Meeting

Scoping meetings are required for all voluntary projects where investigation or cleanup is an anticipated aspect of the scope of work; these are conducted shortly after the agreement has been executed, or depending on specific circumstances, may be held during the agreement-negotiation period. During the scoping meeting, potential issues, concerns, opportunities to optimize and expedite the investigation (which includes assessment/evaluation activities not requiring field sampling) and cleanup process, as applicable, and end-points/exit criteria will be discussed.

An abbreviated version of the scoping meeting is recommended prior to submittal of work plans, reports and cleanup plans to ensure that both the Proponent and DTSC are moving forward with clear and well-defined expectations.

The following elements may be addressed during the Scoping Meeting:

a) **Site Objectives**: current and proposed future land uses and redevelopment plans and timetables, etc.

b) **Site History**: historic operations and land uses, chemical uses, hazardous substance releases, permits, etc.

c) **Conceptual Site Model**: identification of size, location, geology, lithology, hydrogeology, areas of concern, contaminants of concern, recognized environmental conditions, historic sampling locations and results, data gaps, risk assessments, offsite concerns, etc.

d) **Scope of Work**: scope of work (phases) as specified in the Agreement based on the available information and preliminary document review; may include discussion about the cleanup determination (e.g., "No Further Action") and decision document proposed for the Site, e.g., Preliminary Endangerment Assessment, Removal Action Work Plan for removal action with costs below $2 million, or Remedial Action Plan for projects exceeding $2 million in capital costs, or proposing innovative technologies, etc.

e) **Data Quality Objectives and Remedial Action Objectives**: discussion of specific Data Quality Objectives to ensure that appropriate data of sufficient quality is collected to facilitate decision-making; discussion of potential cleanup goals and objectives.

f) **Risk Assessment and Models**: evaluation of published screening levels, if available and appropriate, or use of project-specific risk assessments; discuss risk management and risk communication strategies.

g) **California Environmental Quality Act (CEQA) requirements**: identification of project-specific requirements where applicable, e.g., cultural resources, traffic concerns, ecological resource protection, etc.; identify what DTSC's CEQA role is

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predicted to be, which documents will be developed, and how to integrate CEQA needs within the overall schedule.

h) **Public Participation & Tribal Outreach**: discussion of community and tribal involvement and public outreach process, methods, translation needs, and schedule.

i) **Schedule**: agreed-upon submittal and review dates and timelines for work plans, fact sheets, reports and other key documents; development of optimal sequencing of activities to efficiently reach project goals.

j) **Resources**: Review checklists, quick reference sheets, and templates are available for use by those developing documents for DTSC review and approval. (These tools will be periodically updated and may be made available to Proponents by the DTSC Project Manager)

k) **Exit Strategy & Completion of Agreement**: proposed future land use, Site acquisition and construction dates, funding limitations or requirements, approval for occupancy, etc. to ensure alignment of Proponent and DTSC goals.

l) **Site Visit:** A visit to the Site will be conducted to verify and confirm current conditions and project discussions; the visit may take place on the same date as the scoping meeting. Subsequent visits may be needed if Site conditions change, if new staff are assigned, or for field oversight.

TASK 3 Supplemental Site Investigation (SSI)

3.1 SSI Work Plan. Proponent will submit a work plan that describes the activities proposed to further characterize soil, soil gas, surface water and/or groundwater. The work plan should also include a health and safety plan, quality assurance/quality control plan, sampling plan, and implementation schedule. Proponent will begin implementation of the approved work plan in accordance with the approved implementation schedule. DTSC may provide oversight of work plan implementation.

3.2 SSI Report. Proponent will submit an SSI Report that, at a minimum, presents the data, summarizes the findings of the investigation, validates the data, and includes recommendations and conclusions.

TASK 4 Health Risk Assessment

Proponent will conduct a risk evaluation consistent with U.S. EPA Risk Assessment Guidance for Superfund and the most current version of the applicable DTSC guidance documents. This evaluation must identify chemicals of concern and potential routes of exposure; characterize the potential risk and/or non-cancer hazard; evaluate potential threats to environmental receptors; consider existing and contemplate uses; and identify cleanup goals.

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TASK 5 Remedy Selection Document

5.1 Removal Action Work Plan. If DTSC determines a removal action is appropriate, Proponent will prepare a Removal Action Work Plan (RAW) in accordance with Health and Safety Code sections 25323.1 and 25356.1. The Removal Action Work Plan will include:

- A description of the onsite contamination;
- The goals to be achieved by the removal action;
- An analysis of the alternative options considered and rejected and the basis for that rejection. This should include a discussion for each alternative which covers its effectiveness, implementability and cost;
- A description of the recommended alternative (including any required land use covenants, financial assurance, and operation and maintenance plan and agreement requirements).
- Administrative record list;
- Sampling and Analysis Plan with corresponding Quality Assurance Plan to confirm the effectiveness of the RAW, if applicable; and
- Health and Safety Plan describing methods that will be employed during the removal action to ensure the health and safety of workers and the public during the removal action. A detailed community air monitoring plan shall be included if requested by DTSC.

5.2 Remedial Action Plan. If the proposed removal action does not meet the requirements of Health and Safety Code section 25356.1(h), Proponent will prepare a Remedial Action Plan (RAP) in accordance with Health and Safety Code section 25356.1(c) for DTSC review and approval.

The RAP summarizes the results of the site characterization, risk evaluation and feasibility study and sets forth in detail appropriate steps to remedy soil, surface water and groundwater contamination at the Site and adjacent areas. In addition, the RAP shall contain a schedule for implementation of all proposed removal and remedial actions.

TASK 6 California Environmental Quality Act (CEQA)

In order to meet CEQA obligations, DTSC will prepare the necessary CEQA documents. If required, the Proponent shall submit the information necessary for DTSC to prepare these documents.

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TASK 7 Remedial Design and Implementation Plan

Proponent will either (a) prepare and submit a Remedial Design and Implementation Plan (RDIP) in accordance with the agreed upon schedule contained in the approved Remedy Selection Document; or (b) depending on the complexity of the proposed removal or remedial action, incorporate the factors typically addressed in a RDIP into the Remedy Selection Document.

The factors typically addressed in a RDIP are:

a) technical and operational plans and engineering designs for implementation of the approved remedial or removal action alternative(s);
b) a schedule for implementing the construction phase;
c) a description of the construction equipment to be employed;
d) a site specific hazardous waste transportation plan (if necessary);
e) any required registration requirements for contractors, transporters and other persons conducting the removal and remedial activities for the Site;
f) post-remedial sampling and monitoring procedures for air, soil, surface water and groundwater;
g) operation and maintenance procedures and schedules;
h) a health and safety plan; and
i) a community air monitoring plan, if required by DTSC.

TASK 8 Implementation of Remedy

Upon DTSC approval of the final RAW or RAP and RDIP (if required), the Proponent shall implement the remedy, as approved.

TASK 9 Remedial Action Completion Report

Proponent shall submit a report documenting the implementation of the final RAW or RAP and RDIP and noting any deviations from the approved plan.

During implementation of the final RAW or RAP and RDIP, DTSC may specify such additions, modifications and revisions to the RAW or RDIP as deemed necessary to protect human health and safety or the environment or to implement the RAW or RAP.

TASK 10 Public Participation

DTSC requires that specific public engagement activities be conducted for projects undergoing a PEA, RAW, or RAP. However, based on the level of community interest, media interest, sensitive land uses, demographics and other factors, as determined by DTSC, public engagement activities may be requested for other projects types as well.

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Proponent will be responsible for all costs associated with the translation and/or interpretation of public participation content required under DTSC's policies, procedures, guidance documents, and state and federal law.

The following tasks apply only if a RAW or RAP is being required by DTSC:

10.1 Proponent shall conduct appropriate public participation activities given the nature of the community surrounding the Site and the level of community interest, if needed. Proponent shall work cooperatively with DTSC to ensure that the affected and interested public and community are involved in DTSC's decision-making process. Any such public participation activities shall be conducted in accordance with Health and Safety Code sections 25358.7 (and 25356.1(e), if conducting a RAP) and with DTSC's review and approval.

10.2 A scoping meeting regarding the RAW or RAP will include a discussion on the appropriate activities that will be conducted to address public participation.

10.3 DTSC may conduct an assessment of community interest in the Site, which may include, but will not be limited to, the development of a survey, outreach to local elected and public officials and community members, distribution of the survey through mail and/or social media, analysis of survey results, and community interviews. Results of the survey will be shared with the Proponent and should be included in the community profile.

10.4 Proponent, working collaboratively with DTSC, shall prepare a community profile to examine the level of the community's knowledge of the Site; the types of community concerns; the proximity of the Site to homes and/or schools, day care facilities, churches, etc.; the current and proposed use of the Site; media interest; surrounding land uses; demographic profile and languages; CalEnviroScreen results; information repositories; recommended public engagement activities; and involvement of community groups and elected officials. The community profile may also include a quarter-mile radius mailing list for the Site, a list of applicable elected officials, and any known community members who may have expressed an interest in the Site.

10.5 Proponent, working collaboratively with DTSC, shall develop and submit fact sheets or community updates to DTSC for review and approval when specifically requested by DTSC. Proponent may be responsible for printing and distribution of fact sheets or community updates upon DTSC approval using the approved community mailing list.

10.6 Proponent, as directed by DTSC, shall publish, in a major local newspaper(s), a public notice announcing the availability of the RAW/RAP for public review and comment. The public comment period shall last a minimum of thirty (30) days.

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10.7 DTSC may require that Proponent hold a public meeting to inform the public of the proposed activities and to receive public comments on the RAW/RAP.

10.8 After the close of the public comment period, DTSC will prepare a response to the public comments received. If required, Proponent shall submit the information necessary for DTSC to prepare this document.

10.9 If appropriate, Proponent will revise the RAW/RAP on the basis of comments received from the public and submit the revised RAW/RAP to DTSC for review and approval. If significant or fundamental changes are required, additional public participation activities, including an additional review and comment period, may be required. Proponent will also notify the public of any significant changes from the action proposed in the RAW/RAP.

TASK 11 Tribal Outreach and Consultation

DTSC's assigned Project Manager will coordinate with DTSC's Office of Environmental Equity to ensure compliance with DTSC's Tribal Consultation Policy. This process may include consultation with California tribes to determine whether or not they have an interest in Site activities.

TASK 12 Land Use Covenant

A land use covenant (LUC) pursuant to California Code of Regulations, title 22, section 67391.1 may be necessary to ensure full protection of the environment and human health. DTSC may require such a LUC in a DTSC-approved remedy based on a RAW, RAP, PEA, or other decision document. If Proponent is the owner of the Site, Proponent agrees to record the LUC as approved by DTSC within ten (10) days of receipt of a fully executed original.

If the Proponent is not the owner of the Site and a LUC is required, Proponent will work with the owner to provide DTSC with written confirmation that the owner will cooperate in implementing the DTSC-approved remedy, which may include a LUC. The Proponent must provide DTSC with the owner's written confirmation prior to the date the draft decision document is to be circulated for public notice and comment. If the Proponent is unable to provide DTSC with written confirmation from the owner, a LUC may not be executed for the Site and the proposed remedy will be reevaluated.

TASK 13 Operation and Maintenance (O&M)

Proponent shall comply with any and all operation and maintenance requirements in accordance with the final RAW, final RAP, or a DTSC-approved RDIP or O&M Plan. If deemed necessary, DTSC may require Proponent to enter into an O&M Agreement with DTSC.

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TASK 14 Financial Assurance

Proponent shall establish and maintain a financial assurance mechanism pursuant to California Health and Safety Code section 25355.2 and DTSC's costs incurred in overseeing these activities prior to implementing any required O&M activities, LUC-related activities, and five-year review activities. Proponent shall demonstrate and maintain one or more of the financial assurance mechanisms set forth in subdivisions (a) to (e), inclusive, of Section 66265.143 of Title 22 of the California Code of Regulations.

TASK 15 Discontinuation of Remedial Technology

Any remedial technology employed in implementation of the final RAP/RAW shall be left in place and operated by Proponent until and except to the extent that DTSC authorized Proponent in writing to discontinue, move or modify some or all of the remedial technology because Proponent has met the criteria specified in the final RAW/RAP for its discontinuance, or because the modifications would better achieve the goals of the final RAW/RAP.

TASK 16 Health and Safety Plan

The Proponent will submit a Site Health and Safety Plan in accordance with California Code of Regulations, Title 8, section 5192. The Health and Safety Plan shall be submitted before field activities begin.

TASK 17 Quality Assurance/Quality Control (QA/QC) Plan

All sampling and analysis conducted by Proponent under this Agreement shall be performed in accordance with a QA/QC Plan submitted by Proponent and approved by DTSC. The QA/QC Plan will describe:

a) The procedures for the collection, identification, preservation and transport of samples;
b) The calibration and maintenance of instruments;
c) The processing, verification, storage and reporting of data, including chain of custody procedures and identification of qualified person(s) conducting the sampling and of a laboratory certified or approved by DTSC pursuant to Health and Safety Code section 25198; and
d) How the data obtained pursuant to this Agreement will be managed and preserved in accordance with the Preservation of Documentation section of this Agreement.

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EXHIBIT D
COST ESTIMATE WORKSHEET
Type of Agreement: Standard
Date: August 24, 2022
Site Name: BTC III Arrow Route
Site Code: 400885

Task No. In Agreement

DTSC Project Team	VCP Coord.	Project Management	Supervision	Toxicology	Geology	Industrial Hygienist	HQ Engineering	Public Participation	HQ CEQA	OEJTA	Legal	Project Assistants	
Classification (personnel)	Sr. ES (Sup)	ES	Sr. ES (Sup)	Staff Toxicologist	Engineering Geologist	Assoc IH	HSE	PPS	Senior Environmental Planner	Sr. ES		Office Technician (Typing)	Associate Program Analyst
TASK: (enter # hrs) Agreement Prep./Negotiation	4											1	1
Project Management		16											
Scoping Meeting		2	2	2	2								
Site Visit		4			4	1							
Review Background Information		8	1	16	16								
Supplemental Site Characterization													
- Workplan		8	1	8	8					4			
- Implementation		8	1		8	1							
- Report		8	1	8	8								
Risk Analysis		2		16									
Public Participation								40					
CEQA		4							4			1	1
Cleanup Plan		16	4	8	8		8						
Implement Cleanup Plan		16			16								
Cleanup Completion Report		4	1	8	8							1	
Design		2			4		4					1	1
Certification		2	1										
Deed Restriction		4	1										
Operation & Maint		8	1		4								
Total No. Hours/Class	4	112	14	66	86	2	12	40	4	4	0	4	3
Hourly Rate/Class	$284	$185	$284	$251	$257	$299	$256	$157	$214	$213	$0	$96	$157
Cost/Class	$1,136	$20,720	$3,976	$16,566	$22,102	$598	$3,072	$6,280	$856	$852	$0	$384	$471

Subtotal	$77,013
Contingency (10%)	$7,701
Grand Total Cost	**$84,714**
Advance Payment	**$42,357**

Notes: This estimate is for completion of all Tasks, as outlined in Exhibit C of this Agreement
Annual, or more frequent, updates will be provided

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EXHIBIT E
CALENDAR OF TASKS AND SCHEDULE

Activity	Schedule
Scoping Meeting	During Agreement negotiation, or shortly after Agreement execution based on DTSC evaluation of project needs
Advance Payment	Within 10 days of Agreement execution
Submit existing data	Within 10 days of Agreement execution, or as requested by DTSC
Submit investigation work plan	Within 30 days of scoping meeting, or as decided during scoping meeting
DTSC decision on investigation work plan	Within 75 days of date received by DTSC[1]
Submit investigation report	Within 45 days of completion of field work[2]
DTSC decision on investigation report	Within 100 days of receipt by DTSC[1]. May include recommendation for further investigation or cleanup, no further action, or no further action with conditions.
Submit draft cleanup plan	As directed by DTSC
Submit Community Profile	Within 30 days of DTSC's request
Submit CEQA documentation	Concurrent with the cleanup plan
Public Review/Comment Period, mailing of fact sheet to site mailing list and placement of public notice.	Upon DTSC's approval of cleanup plan for public review and comment.

1 Note that DTSC approvals in the target timeframes are contingent upon receiving documents that meet industry standards, comply with DTSC's direction, and that responses to DTSC questions and/or comments are received in a timely manner.

2 If workplan activities are not initiated within six months of the date of DTSC approval, DTSC may require additional investigation, public participation activities, and/or revision to the document.

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DTSC decision on cleanup plan	DTSC to approve cleanup plan, if appropriate, after addressing public comments, within ~150 days of receipt of draft.
Implement cleanup	Within 90 days of DTSC approval of cleanup plan, or as directed by DTSC in conjunction with Proponent[3]
Submit cleanup completion report	Within 90 days from the date of implementation of cleanup plan
DTSC decision on cleanup completion report	Within 100 days of received by DTSC[1]. May include recommendation for no further action, or no further action with conditions.
Submit Operation and Maintenance Plan	As directed by DTSC
Operations and Maintenance Agreement	As directed by DTSC
Land Use Covenant	As directed by DTSC
Invoices	DTSC issues quarterly
Cost estimate and Scope of Work Updates and Amendments	DTSC updates the scope and cost estimate annually, or as needed, based on work needed to complete the Agreement. Amendments are issued on an as-need basis.

Signature:

Email: Javier.Hinojosa@dtsc.ca.gov

3 If cleanup plan activities are not initiated within one year of the date of DTSC approval, DTSC may require additional investigation, public participation activities, or revision to the document.

Prepared for
Commercial Metals Company

Prepared by
Ramboll US Consulting, Inc.
Los Angeles, California

Project Number
1690017888

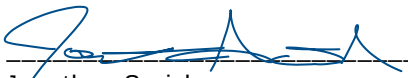
Date
April 28, 2021

PHASE II SUBSURFACE INVESTIGATION REPORT

12459-B ARROW ROUTE

RANCHO CUCAMONGA, CALIFORNIA

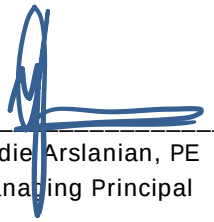
PREPARED BY



Jonathan Sarich
Senior Consultant



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1. INTRODUCTION

Ramboll US Consulting, Inc. (Ramboll) was retained by Commercial Metals Company (CMC) to perform a Phase II Subsurface Investigation of the property located at 12459-B Arrow Route in Rancho Cucamonga, California (herein referred to as the "facility" or the "Site;" Figure 1). The objective of the subsurface investigation was to assess current soil and soil vapor conditions at the Site as part of CMC's shut down of ongoing operations and pending property divestiture. As part of this investigation, sampling was performed on a Site-wide basis incorporating areas of historical and current operations and features, as well as areas where prior environmental work was previously completed under various regulatory agency oversight.

2. BACKGROUND

2.1 Site Setting

CMC owns and operates a steel fabrication facility, as well as an inoperative steel mill and steel rolling facility at the Site. The approximately 94-acre Site consisting of 4 parcels (Parcel 1 through 4) is located approximately 40 miles east of downtown Los Angeles, California (Figures 1 and 2).

Most of the Site is paved with asphalt or concrete, notably the operational areas. Most of the perimeter of the Site is fenced, except along the northern/northeastern boundary shared with TI Wire and Ameron (these properties are fenced along their remaining perimeters).

The Site is developed with the following structures and areas, as depicted in Figure 2:

- Parcel 1: There are no permanent structures on Parcel 1. An equipment “boneyard” containing spare parts and equipment is operated by the CMC rebar facility. Slag storage piles are located in the central part of the parcel. Steel billets, received via rail, are stored in the southern portion of the parcel.
- Parcel 2: The former steel mill, which is currently inoperative and slated for decommissioning, is located in the southeast portion of Parcel 2. The mill includes a primary processing building containing an electric arc furnace (EAF), along with ancillary structures including lime silos, a cooling tower, and a warehouse and maintenance building. Slag piles are stored on the northern portion of the parcel, although these piles are reducing in size over time, as the facility no longer receives steel scrap and slag-producing operations have been discontinued. Additionally, Phoenix Industries (an independent company) operates as a slag processing contractor on-Site. While the contractor does not sub-lease any land areas of the Site, it does operate a maintenance building on Parcel 2.
- Parcel 3: Ancillary operations for the currently inoperative steel mill and steel rolling operations are located on the southern portion of Parcel 3. A baghouse and several cooling towers associated with the former steel mill are located in the southwest area of Parcel 3. The roll shop and roll mill are located in a structure adjacent to two maintenance structures. A bundling station is located in the eastern portion of the parcel. Rebar is stored outdoors throughout the northeast portion of the parcel. An underground storage tank (UST) fueling area is located in the northwest portion of the parcel.
- Parcel 4: A “T”-shaped rebar fabrication shop is located on Parcel 4, with an adjacent maintenance structure to the west, and a detached office building to the north. Rebar storage occurs outdoors to the south, east, and west of the buildings.

Landscaped areas are located north of the rebar fabrication shop on Parcel 4. Active rail spurs are located on the southwestern and southeastern portions of the Site. A storm water infiltration area is located at the southeastern corner of the Site. Additionally, concrete-lined wastewater treatment ponds are located adjacent to each of the cooling towers located at the Site and a concrete lined evaporation pond is located west of the rolling mill. A groundwater withdrawal well is located at the southeastern corner of the Site.

The primary Site access is via Arrow Route at the northern Site boundary for the rebar fabrication facility and an access road from Arrow Route leading to a guard shack for access to the remaining areas of the Site.

2.2 Site History

The Site was used for agriculture from at least the 1930s, a use which continued until the on-Site parcels were developed as part of a steel mill between the 1950s and the 1970s (as described in chronological order below).

- On Parcel 3, the Site has been producing rebar from metal scrap since 1956 on the southern portion. The Roll Mill and Roll Shop appear to have been constructed during this part of the Site's initial development, and subsequent structures including the Mobile Maintenance building and the Bundling Station appear to have been constructed in the early 1980s and late 1990s, respectively.
- Parcel 2 was developed with some industrial activity by the early 1970s (grading and small structures), and was developed with structures in the present-day location of the EAF and Warehouse Maintenance Building by the mid-1980s, although additions and modifications to the structures continued through the 1990s and 2000s.
- The southern portion of Parcel 1 was developed by the early 1970s with outdoor industrial storage, but industrial storage was not visible in other portions of Parcel 1 until the late 1990s.
- Parcel 4 was developed with what appears to be outdoor storage of materials in the late 1970s and subsequently was developed with the current Fabrication Shop building in 1988; the building has operated since that time as a steel rebar fabrication shop.

The major operations at the Site, including receiving of steel scrap, melting of steel scrap, production of rebar, fabrication of rebar, and processing of slag, did not change significantly since the 1980s until the furnace and scrap melting operations were shut down in 2019.

Parcel 3 was developed in 1956 as a coiled rebar manufacturing facility operated by Etiwanda Steel Producers. By 1970, its name had changed to Ameron Steel & Wire. In 1974, a joint venture was created between Tokyo Steel, Ameron Steel & Wire, and Mitsuit trading, creating the entity TAMCO, and expanding operations into Parcels 1 and 2. The facility, operated by the TAMCO consortium, expanded in 1976-1977, adding an EAF and baghouse to its operations, fabricating billets, and selling the billets to Ameron Steel & Wire (located off-Site to the northeast). In 2005-2006, a new storm water capture and treatment system was constructed in the southwestern portion of Parcel 2.

Since the TAMCO consortium was established in 1974, TAMCO has operated at Parcels 1 and 2. In 1983, the melt shop and rolling mill on Parcel 3 also came under ownership by TAMCO, producing steel reinforcing bars from steel scrap. Off-Site wire manufacturing operations conducted on the property to the north of Parcel 3, were sold and now operate under the name TI Wire. Although this property was historically operated by TAMCO, it is no longer part of the Site. In 2010, the Site was acquired by Gerdau Ameristeel. TAMCO (a subsidiary of Gerdau Ameristeel US Inc.) purchased the Site from Ameron Inc. on April 26, 2013. In November 2018, CMC acquired the stock of TAMCO.

The fabrication shop on Parcel 4 initially operated as Ameron, Inc. until 1988, when it began operating as Fontana Steel Inc. Ameron also operated off-Site properties to the east of Parcel 4; however, those properties have since been developed for other uses and are not

part of the Site. In approximately 2000, CMC Steel Fabricators, Inc. purchased certain assets from Fontana Steel, which included Parcel 4.

2.3 Site Geology and Hydrogeology

The Site is located approximately 40 miles east of downtown Los Angeles and approximately 5 miles south of the San Gabriel Mountains. The Site is underlain by the Chino sub-basin which is bound on the east by the Rialto-Colton fault; on the southeast by the contact with impermeable rocks forming the Jurupa Mountains and low divides connecting the exposures; on the south by contact with impermeable rocks of the Puente Hills and by the Chino fault; on the northwest by the San Jose fault; and on the north by impermeable rocks of the San Gabriel Mountains and by the Cucamonga fault (DWR, 2020.

Regional soils are somewhat excessively drained gravelly loamy sands with high infiltration rates. Based on a Water Well Drillers Log dated September 1956 for the on-Site water supply well, soils beneath the Site consist of sandy soils to a depth of 5 feet below ground surface (bgs), dry sand and gravel to a depth of 9 feet bgs, sandy clay with embedded gravel to a depth of 348 feet bgs, and sandy clay to a depth of 390 feet bgs. These soils are in turn underlain predominantly by sandy clay, interspersed with layers of sand and gravel to a depth of approximately 600 feet. From approximately 600 feet to 728 feet bgs, soils encountered at the Site were predominantly clays interspersed with layers of sand and gravel.

During the subsurface investigation conducted at the Site by Ramboll (December 2020 through February 2021), the following lithologic conditions were noted at each of the Site parcels:

- Sand with gravel and/or slag was observed on Parcel 1 at depths of up to 5 feet bgs. Varying layers of sand and sand with silt were noted between depths of 7 feet and 18 feet bgs. Sandy silt was noted between depths of 18 feet and 25 feet bgs (maximum depth explored).
- On Parcel 2, sand with gravel and/or slag was observed to a depth of 5 feet bgs. Towards the eastern portion of Parcel 2, silty sand was noted between the surface and 5 feet bgs. Varying layers of sand and sand with silt were observed between approximately 5 feet and 12 feet bgs. Silty sand and sand layering was noted from approximately 16 feet to 30 feet (maximum depth explored) in the southeast corner of the parcel.
- On Parcel 3, sand was observed to a depth of 5 feet bgs in most of areas. Varying layers of sand and silty sand were noted to a depth of 5 feet bgs in the southern portion of this parcel, near features including but not limited to the reheat oven, cooling towers, and wash station. A dense silt layer was observed between approximately 29 feet and 34 feet bgs under the Parts Warehouse where the deepest boring at this Parcel as drilled.
- On Parcel 4, varying layers of sand and silty sand were observed to a depth of 5 feet bgs. Sand was noted between 5 feet and 25 feet bgs at the deepest boring that was investigated at this parcel.

The general topographic gradient in the vicinity of the Site is to the south. Based on information provided by the Chino Basin Watermaster, the gradient of the shallowest groundwater in the vicinity of the Site is to the south and southwest. There is one on-Site deep groundwater extraction well near the southeastern corner of the Site. Based on a Water

Well Drillers Log dated September 1956, the on-Site well is approximately 728 feet deep. Groundwater at the time of installation reportedly was first measured at 378 feet bgs. No current data regarding to depth to groundwater was available for review. During Site investigation activities conducted by Ramboll in 2020/2021, groundwater was not encountered to maximum depth drilled (30 feet bgs).

3. PRIOR INVESTIGATIONS

Several investigations have been conducted at the Site between 1988 and 2020. A primary component of these investigations was the evaluation of waste extent and distribution. The results are summarized below:

3.1 1988 Clean Closure Verification Report (Parcel 4)

In 1988, an environmental assessment was performed to evaluate the areas of potential contamination from baghouse dust that had been buried during the late 1970s in three approximately parallel trenches. The trenches were approximately 170 feet long, 14 to 20 feet wide, and 12 feet deep. The buried baghouse dust was covered with 3 to 4 feet of clean soil. Remediation of the area consisted of excavating and removing the baghouse dust and backfilling the trenches with clean slag material and the three upper feet with the clean soil that previously covered the baghouse dust. Laboratory analytical tests of exposed surfaces before backfilling the trenches demonstrated that remaining soil had metal concentrations below the Total Threshold Limit Concentration (TTLC) and Soluble Threshold Limit Concentration (STLC) thresholds. The baghouse dust was temporarily stored on a concrete pad and covered with plastic until it was removed off-Site. Based on the review of a PEA conducted in 2001 (discussed below in Section 3.6), the Department of Toxic Substances Control (DTSC) concluded in a letter dated December 20, 2001, that "*the Site does not appear to pose a threat to human health or the environment under any land use*," and determined that no further action was necessary with respect to investigation and remediation of hazardous substances at the Site.

3.2 1990 Remediation of Lead Contaminated Soil at Southwest Corner of the Site (Parcel 1)

Discharge water from the slag cooling water, cooling tower overflows, clarifier overflows, and overflows and leaks from the water truck loading area were documented flowing from the Site into an adjacent open field to the southwest. Reportedly, the contamination generally did not extend below a depth of 3 feet; however, in some areas it reached a depth of 6 feet. The proposed remediation technology was in-situ detoxification; and the treated soil would be used as backfill, or hauled to a sanitary landfill, depending on determinations by California Department of Health Services. A letter from the Regional Water Quality Control Board - Santa Ana Region (RWQCB-SA) dated November 7, 1990, indicates that the agency reviewed the final report for remediation of lead contaminated soil in the southwestern corner of the Site and adjacent southwestern neighboring properties prepared by Cleanup Technology (CUT). The letter indicates that CUT excavated, treated, and removed the lead contaminated soil from the property, and that CUT re-sampled and excavated additional soil until all contaminated soil had been removed "to concentrations below acceptable levels" (assumed to be 50 milligram per kilogram [mg/kg]). The November 7, 1990 RWQCB-SA letter indicated that the cleanup of lead impacted soil at the Site was completed to concentrations below acceptable levels and that the RWQCB-SA issued a "No Further Action" (NFA) determination with regard to this matter.

3.3 1993 UST Removals (Parcel 3)

Four USTs reportedly contained a total of approximately 52,000 gallons of fuel oil (it appears that these USTs are referred to in some other documents as 50,000-gallon USTs; however, this appears to be incorrect). Two of the USTs were removed on November 4, 1993, while

the other two were removed in November 18, 1993. The USTs were shipped off-Site for decontamination and cutting, and then shipped back to TAMCO as scrap for processing.

The San Bernardino County Environmental Health Services Department issued a letter dated April 28, 1994 confirming completion of the remedial actions related to these leaking USTs and determination of NFA.

3.4 1994 CERCLA Preliminary Assessment (Parcels 1, 2, and 3)

Based on the results of the 1994 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Preliminary Assessment (PA), further remedial Site assessment under CERCLA was not required. According to the document, the PA was performed after the United States Environmental Protection Agency (USEPA) received a "notification of hazardous waste site" (no other information provided) from TAMCO. The 1994 CERCLA PA report indicates that the facility generated baghouse dust, is a listed (K061) RCRA hazardous waste. The baghouse dust generally was disposed at a permitted off-Site facility; however, some baghouse dust was disposed on-Site at the northwestern portion of the slag pile, on Parcel 4. Additionally, some K061 waste was irradiated when a canister containing radioactive cesium was loaded into the furnace. This incident resulted in the creation of radioactive baghouse dust, a portion of which was disposed at the Chemical Waste Management Kettleman Hills facility on May 21, 1985. The Kettleman Hills disposal facility was not permitted to receive radioactive waste. The remaining portion of the radioactive baghouse waste, a total of 1,752 drums, had not yet been shipped to Kettleman Hills and was eventually disposed at a U.S. Ecology disposal facility in Richland, Washington, which was permitted to receive radioactive materials. According to the investigation of the incident summarized in the 1994 CERCLA PA report, a truckload of radioactive material was detected by a California Highway Patrol weigh station and returned to TAMCO. An investigation of the Kettleman Hills disposal facility revealed that approximately 20 cubic yards of radioactive material had been disposed in cell B-9 of the Kettleman Hills facility. Testing conducted on June 3, 1985 by the Radiologic Health Branch of the California Department of Health Services "*determined that the waste could be left in place, and that there were no significant health or safety risks associated with the quantity and concentration of the radioactive material*". The rebar produced by TAMCO with the radioactive scrap metal was tested and found to have only background levels of radioactivity. Subsequent to this incident, TAMCO installed and operated a radiation detection system to screen trucks and railcars with scrap metal entering the Site, a procedure that was implemented until scrap receiving operations were ceased in November 2019.

The 1994 CERCLA PA also summarizes the activities related to the investigation and remediation of the impacted soils near the southwestern corner of the Site and adjacent properties to the southwest of the Site. According to the information in this report, analysis of the soils prior to the remediation activities contained concentrations of up to 135 milligrams per liter (mg/l) of lead, 1,860 mg/l of zinc, and 5.7 mg/l of cadmium, which were above the corresponding California STLC values of 5 mg/l, 250 mg/l, and 1 mg/l, respectively. Approximately 3,300 cubic yards of impacted soils were excavated and stabilized under the supervision of DTSC; details regarding how the soils were stabilized was not provided. Treated soils were stockpiled on-Site, and a portion of this material was used as backfill during excavation of USTs. The report did not identify a "release" to groundwater, indicating that "*an observed release is when chemical analysis of an environmental sample from a Site is found to be three or more times above the background concentration*."

The 1994 CERCLA PA report indicated that materials from the Ameron Steel and Wire facility (likely referring to the current neighboring TI Wire property) had been observed discharging stormwater runoff onto the Site (known at that time as TAMCO). Waste solvents and degreasers used in the maintenance shop were collected in drums and transported off-Site by Solvent Service, Inc. According to the report, the maintenance shop generated less than 55 gallons of wastes per month and the wastes were not stored for more than 90 days. The hazardous materials, including solvents (type not specified, but the material was collected in drums and transported off-Site for disposal by Solvent Service, Inc.) and lubricants, were stored in a bermed storage area, which appeared in good condition.

The 1994 CERCLA PA report summarized the hydrology of the region and the Site and concluded that "*based on the depth to groundwater and the mobility of substances on-Site, a release to groundwater is not expected*". Also, according to the report, emergency actions at the Site were not considered necessary because "*a) wastes located on-Site had not migrated off-Site, b) the TAMCO facility was fenced preventing public access; and c) the Site is located in an industrial area with only 538 people living within 1 mile of the Site.*" According to the 1994 CERCLA PA report, the Site did not qualify for further remedial Site assessment under CERCLA based on the results of this investigation.

3.5 2000 Voluntary Cleanup Agreement (Parcel 4)

A VCA was executed on December 22, 2000 between Fontana Steel, Inc. and the DTSC. The document pertained to historic slag trenches located on the southern portion of Parcel 4, where baghouse dust from the steel mill on Parcel 2 had been buried. Hazardous substances of concern were identified as metals including arsenic, cadmium, chromium, lead, and zinc. The DTSC indicated that a PEA would be performed to determine what additional work would be needed and that it would require reimbursement from Fontana Steel for associated oversight costs.

3.6 2001 Preliminary Endangerment Assessment (Parcel 4)

In November 2001, IT Corporation (IT) conducted a PEA at Parcel 4 on behalf of Fontana Steel Inc. and CMC Steel Group Inc. Baghouse wastes from the TAMCO steel mill furnace (located on Parcel 2) had been buried in trenches on the southern portion of Parcel 4 in the 1970s and 1980s. In 1987, Ameron agreed to remove the buried baghouse wastes, as summarized in the Clean Closure Verification Report discussed above. The excavations reportedly were backfilled with slag from the steel-making operations and soil from other areas of the Site. In 1989, Parcel 4 was acquired by Kaiser Foundation Hospitals, but was subsequently exchanged for other properties in Fontana, California that were formerly owned by Fontana Steel and Paul Ware.

Soil sampling and a human health screening evaluation were performed. Sampling included collection of eight soil samples from seven boring locations along the former trenches and four on-Site background soil samples (near the northern and western perimeters of Parcel 4). Samples were analyzed for Title 22 metals via USEPA Methods 6010B and 7471A and hexavalent chromium via USEPA Method 7199. Slag was typically encountered to depths of approximately 6 to 10 feet bgs but was as deep as 13 feet bgs in some areas. Antimony, beryllium, molybdenum, silver, and thallium were not detected in any of the samples. Maximum concentrations of other metals included arsenic (8.8 mg/kg), barium (500 mg/kg), cadmium (11 mg/kg), total chromium (1,200 mg/kg), hexavalent chromium (2.0 mg/kg), cobalt (7.4 mg/kg), copper (110 mg/kg), lead (480 mg/kg), mercury (0.036 mg/kg), nickel (38 mg/kg), selenium (10 mg/kg), vanadium (200 mg/kg), and zinc (2,200 mg/kg).

On December 20, 2001, the DTSC issued a letter to Fontana Steel indicating that it had completed its review of the 2001 PEA. The soil sampling and analysis results had been compared to health-based criteria for unrestricted land use for antimony, arsenic, barium, beryllium, cadmium, chromium (total and hexavalent), cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, titanium, vanadium, and zinc. DTSC concluded that "*the Site does not appear to pose a threat to human health or the environment under any land use*," and provided a NFA determination with respect to this matter.

3.7 2002 Baghouse Dust Commingled with Slag Stockpile Remediation (Parcels 1 and 2)

In July 1999, TAMCO's consultant, Dr. David Leu, presented a pilot demonstration project to treat the baghouse dust that was commingled with slag by RDSS. The pilot test, which included testing, characterization, and separation of slag from baghouse dust in the slag stockpile, was approved by the San Bernardino County Fire Department (Fire Department) on September 8, 1999. Initial results of the test indicated that the RDSS-separated material qualified as non-RCRA waste. Subsequently and at the request of the Fire Department, a Remedial Action Plan (RAP) for treatment of Slag/Non-Slag stockpile was issued by Clayton Environmental Consultants in November 1999 and approved by the Fire Department in January 2000. The RAP indicates that baghouse dust was commingled with the slag fines portion until it was classified as hazardous waste and listed as RCRA K061 waste in November 1980. The RAP identified the areas of the Site where slag, slag fines, and baghouse dust were stored. The RAP estimated a volume of approximately 41,500 cubic yards (approximately 61,600 tons) of slag commingled with non-slag material that needed to be treated. In November 2000, the following data were prepared for a status presentation regarding the remediation project, indicating among other issues: a) more K061 was found than the initially estimated approximately 21,000 tons; and b) the RDSS system "performed better than expected achieving 440 to 580 tons per day of treated material." A letter from the Fire Department dated July 2, 2002 stated that after reviewing the June 2001 report submitted by Clayton Group Services, Inc. (not available for Ramboll's review), NFA was issued regarding the remediation of slag and non-slag stockpile at the Site.

3.8 2006 UST Closure (Parcel 3)

Sharp Environmental Technologies, Inc. prepared a UST Closure report on removal of four USTs from the southern portion of Parcel 3, presumably in the approximate location of the prior set of four fuel oil USTs that had been removed in late 1993. According to this document, between March 30 and May 31, 2006, Ecology Control Industries (ECI) excavated and removed four 12,000-gallon USTs used to store diesel fuel. Approximately 18,600 gallons of rinseate and UST contents were disposed as part of the UST closure. Solids from inside the UST were transported to TPST Soil Recyclers of California in Adelanto, California for disposal. The tanks were recycled by TAMCO on-Site. Eight soil samples were collected from beneath the ends of the tanks and tested for total petroleum hydrocarbons by USEPA Method 8015 and volatile organic compounds by USEPA Method 8260B. The analytical test results were "Non Detect" for all soil samples. Soil from the Site was used to backfill the excavation. Upon reviewing the 2006 UST Closure report, the Fire Department issued a NFA determination to TAMCO on October 6, 2006.

3.9 2007 Remediation of Soils Impacted by Heavy Metals North of Pad 16 (Parcel 2)

During an inspection on January 20, 2005, DTSC collected soil samples and conducted analytical tests. The results of these tests indicated that there were elevated concentrations of selected heavy metals in the area north of the scrap metal storage concrete pad. A handheld X-Ray Fluorescent (XERF) analyzer was used to identify areas of soil to be excavated, although additional laboratory sampling was performed for confirmation purposes. The initial excavated soil was placed in 10-cubic yard drop boxes and the XRF analyzer was used to determine additional areas to be excavated. This process was repeated until the screening indicated acceptable levels. Soil samples were collected from each square of a grid of the entire impacted area. After reviewing the laboratory test results from the soil sampling event, additional soil was excavated from certain grid areas (namely, two of the grids labeled A-4 and A-9). Cleanup levels established to define “clean soils” were 1) TTLC less than hazardous waste criteria for inorganics; 2) STLC less than hazardous waste criteria for inorganics; and 3) Preliminary Remediation Goals (PRGs) for inorganics. Impacted soil was transported and disposed at US Ecology in Beatty, Nevada. Soil sampling was performed subsequently after additional excavation at A-4 and A-9 to confirm that sufficient quantities of soil had been removed and that remaining soils met the cleanup criteria. Soils passing the cleanup criteria (passing the TTLC, STLC, and PRG criteria) were returned to the excavations as backfill. Clean crushed slag was used to bring the excavation area to surrounding grade. The entire area to the north of the scrap and adjacent slag stockpiles was paved with asphalt by TAMCO during spring 2006. DTSC and TAMCO (former Site owner) signed a Consent Order dated April 26, 2007 describing the successful remediation of this area.

3.10 2011 UST Removal (Parcel 2)

One 300-gallon, steel, diesel fuel UST located northeast of cooling tower #4, on the southwest side of an emergency generator, was removed on November 30, 2010, as documented in an Environmental Logistics UST closure report dated January 7, 2010. The UST closure report was submitted to the Fire Department. Approximately 100 gallons of rinseate from the UST were removed and disposed off-Site, and the steel UST was transported off-Site for recycling. One soil sample was collected from beneath the excavation, at a depth of approximately 6.5 feet bgs. The sample was analyzed for total petroleum hydrocarbon as diesel (TPHd) via USEPA Method 8015B and BTEX via USEPA Method 8260B. TPHd was detected at a concentration of 1,720 mg/kg, ethylbenzene was detected at a concentration of 57 micrograms per kilogram (µg/kg), and xylenes were detected at a concentration of 423 µg/kg. Benzene, toluene, and other fuel oxygenates were not detected. The excavation was subsequently backfilled with concrete slurry. The Fire Department issued a letter dated March 7, 2011 stating that *based on the closure report dated January 7, 2011, the extent of contamination, or lack thereof, indicated that no further investigation was warranted at that time.*

3.11 2014 UST Removal (Parcel 4)

One 12,000-gallon, double-walled, fiberglass, diesel fuel UST and associated dispensing station were installed on Parcel 4 in June 1989, along the central portion of the eastern boundary of the parcel. The dispensing station consisted of two dispensers and underground double-walled piping connecting the dispensers to the UST.

According to 2014 UST removal records contained in the Fire Department files, the southern dispenser reportedly previously had been abandoned in place with slurry, but the northern

dispenser had not been abandoned. In March 1999, during a UST upgrade, soil samples were collected beneath each of the two dispensers in preparation for the installation of piping upgrades and under dispenser containment. One soil sample was collected from approximately 2.5 feet beneath the northern dispenser and analyzed for TPHd via USEPA Method 8015B and BTEX and MTBE via USEPA Method 8020. No TPHd, BTEX, or MTBE were detected. Additionally, soil samples were collected at approximately 2.5 feet, 3 feet, and 4 feet beneath the southern dispenser. At the 2.5-foot, 3-foot, and 4-foot depths, TPHd was detected at concentrations of 3,298 mg/kg, 914 mg/kg, and 1,263 mg/kg, respectively and xylenes were detected at concentrations of 0.031 mg/kg, 0.037 mg/kg, and 0.217 mg/kg, respectively. No benzene, toluene, ethylbenzene, or MTBE were detected in the samples.

Based on a UST Removal Inspection Form prepared by the Fire Department, the UST was removed in June 2014. The UST was triple rinsed and the resulting rinseate was hauled off-Site for disposal. The UST was destroyed on-Site and disposed off-Site. On removal of the UST, three soil samples were collected and analyzed for TPHd via USEPA Method 8015B and the full suite of volatile organic compounds (VOCs) via USEPA Method 8260B. Two soil samples were collected from the north and south ends of the UST from a depth of approximately 16 feet bgs, and one soil sample was collected from beneath the dispenser at a depth of approximately 6 feet bgs. TPHd was detected in the two soil samples from beneath the UST at concentrations of 1.26 mg/kg and 1.02 mg/kg, respectively, and in the soil sample from beneath the dispenser at a concentration of 1.52 mg/kg. VOCs were not detected in any of the samples. In a letter dated October 29, 2014, the Fire Department stated that based on the closure information reviewed, *no further action was required* with respect to the UST removal.

4. SUBSURFACE INVESTIGATION ACTIVITIES

Ramboll's procedures that were implemented as part of its the subsurface investigation are presented in this Section. Site investigation activities were conducted between December 2020 and February 2021, in three phases and as described in the following sections. All field activities conducted by Ramboll were performed under the direct supervision of a California-registered Professional Geologist or Engineer.

4.1 Sampling rationale

Ramboll initially installed a total of 69 borings to assess current conditions at the Site consisting of 43 borings from which soil samples were collected and 26 borings from which soil and soil vapor samples were collected, as described in greater detail in the attached Table 1. In summary, the sampling rationale targeted:

- Side-wide grid sampling to evaluate soil and soil vapor conditions and to assess the presence and extent of subsurface slag.
- Existing features such as USTs, clarifiers, cooling towers, etc.
- Areas of former features such as USTs and storage areas.
- Areas where formerly remediation was performed under regulatory agency oversight and "closure" or NFA was issued.

The total depth of each of the borings was decided based on the known or assumed depth of the feature in the vicinity of the boring that was being assessed. Grid borings were drilled to a total depth of 5 feet bgs (or until slag was no longer encountered). Soil vapor probes were installed at locations in the vicinity of features/conditions that were suspected to have potential impacts in soil vapor.

Based on a review of the results from the initial sampling program, Ramboll re-mobilized to the Site to perform additional soil delineation from 30 step-out borings in January and February 2021. Further, soil vapor probes were installed and sampled at 5 of the 30 step-out borings in January 2021.

4.2 Pre-field Activities and Utility Clearance

Ramboll prepared a Site-specific Health and Safety Plan (HASP) and COVID-19 Response Plan for the Site, which are designed to minimize exposure of Ramboll's field personnel to potentially hazardous materials. All Ramboll field personnel involved in the project were required to implement the procedures presented in the HASP while conducting the planned field work.

Prior to work plan implementation, Ramboll notified Underground Services Alert (USA) of its intent to conduct the proposed subsurface investigation. The proposed locations of the subsurface investigation were clearly marked with white paint, as required by USA. Ramboll also retained Spectrum Geophysics of Chatsworth, California and GPRS of Los Angeles, California to clear boring locations for the presence of underground pipes and utilities using geophysical methods. Boring locations were also hand augered to a depth of 5 feet bgs, prior to any drilling activity as an additional cautionary measures.[1]

[1] Some of the borings that could not be hand augered to a depth of 5 feet bgs due to tight geologic formations, were directly drilled using a rig to total depth, after review of available existing utility maps and review and approval from representatives of the facility who have been on-Site for several years and are knowledgeable of the Site and utility locations.

4.3 Drilling, Soil Sampling, and Soil Vapor Probe Installation

Initial drilling and sampling activities were conducted between December 14, 2020 and January 8, 2021. Concrete at 48 of the total 69 original boring locations was cored, following which each boring location was hand augered to a depth of 5 feet bgs.[2] The deeper borings (total depth greater than 5 feet bgs) were advanced to total depth using a truck mounted direct-push rig.

Original Borings RSB-01 through RSB-24, RSB-26, RSB-31, RSB-38 through RSB-42, RSB-45 through RSB-58, RSB 60 through RSB-63, and RSB-65 were advanced to a total depth of approximately 5 feet bgs. Soil samples were collected from these borings at approximate depth intervals of 0.5 foot to 1 foot bgs, 2.5 to 3 feet bgs, and 4.5 to 5 feet bgs. The Boring RSB-36 was advanced to a total depth of approximately 10 feet bgs and Boring RSB-37 was advanced to a total depth of approximately 12 feet bgs, both with soil sample intervals at approximate depths of 0.5 foot to 1 foot bgs, 2.5 to 3 feet bgs, 4.5 to 5 feet bgs, and 9.5 to 10 feet bgs.

Borings RSB-25, RSB-27, RSB-30, RSB-33, RSB-43, RSB-44, RSB-59, RSB-64, and RSB-69, which were situated at/near current/former subsurface features (see Table 1), were advanced to a total depth of approximately 16 feet bgs. Soil samples were collected from these borings at approximate depth intervals of 0.5 foot to 1 foot bgs, 2.5 to 3 feet bgs, 4.5 to 5 feet bgs, 9.5 to 10 feet bgs, and 14.5 to 15 feet bgs. Borings RSB-34, RSB-35, and RSB-66 through RSB-68 were advanced to a total depth of 25 feet bgs. Soil samples were collected from these borings at approximate depth intervals of 0.5 to 1 foot bgs, 2.5 to 3 feet bgs, and 4.5 to 5 feet bgs, 9.5 to 10 feet bgs, 14.5 to 15 feet bgs, 19.5 to 20 feet bgs, and 24.5 to 25 feet bgs.

Borings RSB-28, RSB 29, and RSB-32 were advanced to a total depth of approximately 31 feet bgs. Soil samples were collected from these borings at approximate depth intervals of 0.5 to 1 foot bgs, 2.5 to 3 feet bgs, and 4.5 to 5 feet bgs, 9.5 to 10 feet bgs, 14.5 to 15 feet bgs, 19.5 to 20 feet bgs, 24.5 to 25 feet bgs, and 29.5 to 30 feet bgs.

At three of the above boring locations (Borings RSB-01, -13, and -37), the original intended depth was exceeded due to soil conditions that warranted further investigation. Boring RSB-01 was originally proposed to be advanced to approximately 5 feet bgs. Due to slag material encountered at 5 feet bgs, the boring was further advanced to a total depth of 12 feet bgs. Boring RSB-37 was originally to be advanced to approximately 10 feet bgs. Due to slag material encountered at 10 feet bgs, the boring was further advanced to a total depth of approximately 12 feet bgs. Boring RSB-13 was originally to be advanced to approximately 5 feet bgs. Due to slag material encountered at approximately 5 feet bgs, the boring was further advanced to a total depth of 5.5 feet bgs. Slag was present at the total depth advanced at Boring RSB-13; however, refusal conditions were encountered at approximately 5.5 feet bgs, preventing further drilling. See Figure 3 for all original and step-out boring locations.

[2] Some of the borings that could not be hand augered to a depth of 5 feet bgs due to tight geologic formations, were drilled with a direct push rig to total depth, after review of available existing utility maps and review and approval from representatives of the facility who have been on-Site for several years and are knowledgeable of the Site and utility locations.

As described in Section 4.1 and Table 1, soil vapor probes were installed in 26 of the 69 borings at depths of 5 and/or 15, and/or 30 feet bgs. Soil vapor probes were installed at an approximate depth of 5 feet bgs in Borings RSB-31, RSB-38, RSB-46 through RSB-49, RSB-51 through RSB-56, RSB 60, and RSB-61. Soil samples were collected at these borings at depth intervals of 0.5 to 1 foot bgs, 2.5 to 3 feet bgs, and 4.5 to 5 feet bgs. Soil vapor probes were installed in Borings RSB-25, RSB-27, RSB-30, RSB-33, RSB-43, RSB-44, RSB-59, RSB-64, and RSB-69 at approximate depths of 5 and 15 feet bgs. Soil vapor probes were installed in Borings RSB-28, RSB 29, and RSB-32 at approximate depths of 5 and 30 feet bgs.

Each probe consisted of a temporary 6-inch stainless steel probe placed in a sand pack extending approximately 6 inches above and below the probe. The probes were connected to the surface with Nylaflow tubing. Hydrated bentonite was used to create a seal above each of the sand packs. A flush-mounted well box was installed with the ground surface at each of the soil vapor borings to allow for future access to the probes. Soil vapor samples collected from the dual-nested borings were analyzed sequentially from shallow to deep.

4.4 Step-Out Boring, Soil Sampling, and Soil Vapor Probe Installation

Based on a review of the results from the initial drilling event that identified elevated concentrations of total petroleum hydrocarbon (TPH), lead, and thallium in soil, as well as elevated VOC concentrations in soil vapor, Ramboll re-mobilized to the Site to conduct step-out drilling, soil vapor probe installation, and sampling activities from January 26 through 28, 2021 and on February 11, 2021. Step-out borings were initially located approximately 25 feet in each direction (north, east, south, and west) of the original Borings RSB-02 through RSB-05, RSB-54 and RSB-57, and two co-located borings at RSB-04 and RSB-54 (see Figures 4A and 4B).

Concrete at 10 of the 26 initial step-out boring locations was cored. Each boring location was hand augered to a total depth of 3 or 5 feet bgs[3] and the deeper borings (total depth greater than 5 feet bgs) were advanced to total depth using a truck mounted direct-push rig.

A total of 8 borings (step-out locations at RSB-03 and RSB-05) were advanced to a total depth of 3 feet bgs. Soil samples were collected at these borings at approximate depth intervals of 0.5 to 1 foot bgs and 2.5 to 3 feet bgs (analyzed for TPH using USEPA Method 8015M).

A total of 8 borings (step-out locations at Borings RSB-02 and RSB-57) were advanced to a total depth of approximately 5 feet bgs. Soil samples were collected at these borings at approximate depth intervals of 0.5 to 1 foot bgs, 2.5 to 3 feet bgs, and 4.5 to 5 feet bgs (analyzed for lead using USEPA Method 6010B).

A total of 4 step-out borings and one co-located Boring at RSB-04 were advanced to a total depth of approximately 15 feet bgs. Soil samples were collected from these borings at approximate depth intervals of 0.5 to 1 foot bgs, 2.5 to 3 feet bgs, 4.5 to 5 feet bgs, 9.5 to 10 feet bgs, and 14.5 to 15 feet bgs (analyzed for thallium using USEPA Method 6010B). The 1- and 3-foottsoil samples from these borings were placed on hold.

[3] Some of the borings that could not be hand augered to a depth of 5 feet bgs due to tight geologic formations, were drilled with a direct push rig to total depth, after review of available existing utility maps and review and approval from representatives of the facility who have been on-Site for several years and are knowledgeable of the Site and utility locations.

A total of 4 step-out borings and one co-located boring at Boring RSB-54 were advanced to a total depth of approximately 36 feet bgs. Soil vapor probes were installed at the co-located boring at approximate depths of 15 and 35 feet bgs. Soil vapor probes were installed in the step-out borings at approximate depths of 5, 15, and 35 feet bgs (analyzed for VOCs using USEPA Method 8260B). Each probe at these step-out locations consists of a temporary 6-inch stainless steel probe placed in a sand pack extending approximately 6 inches above and below the probe. The probes were connected to the surface with Nylaflow tubing. Bentonite was used to create a seal above each of the sand packs. A well box was installed flush with the ground surface at each of the soil vapor step-out borings to allow for future access to the probes.

Additional step-out borings were installed further to the south and co-located with the south step-out boring (RSB-05S) at RSB-05 (Figure 4A) on February 11, 2021. These additional step-out borings were advanced to a total depth of approximately 15 feet bgs using a combination of hand augering and a direct-push rig. Soil samples were collected at these borings at approximate depth intervals from surface to 0.5 foot bgs, 2.5 to 3 feet bgs, 4.5 to 5 feet bgs, 9.5 to 10 feet bgs, and 14.5 to 15 feet bgs (analyzed for TPH using USEPA Method 8015M). The 15-foot soil samples from these borings were placed on hold.

4.5 Soil Sampling and Analysis

A total of approximately 305 soil samples were collected and analyzed from the Site. Soil samples collected from depths between surface and 5 feet bgs were collected by a slide hammer or hand collected in a 8-ounce glass jar[4]. Soil samples deeper than 5 feet bgs were collected in acetate sampling sleeves. Soil samples were collected for VOC analyses from the sampling sleeve and/or 8-ounce jar using an EnCore T-handle device loaded with a Teflon sampler. Soil samples were screened for VOCs with a photoionization detector (PID) in the field, labeled with a unique sample number, the sample time and date, and placed in an ice chilled cooler.

The soil samples were transported under chain-of-custody protocol to Jones Environmental, Inc., a California-certified fixed analytical laboratory within 24 hours of collection. Soil samples were submitted for analyses of VOCs using USEPA Method 8260/5035, TPH using USEPA Method 8015M, and/or metals using USEPA Method 6010B/7471A. A total of 6 samples from two borings (in the vicinity of former PCB storage and/or transformers) were additionally analyzed for polychlorinated biphenyls (PCBs) using USEPA Method 8082. A total of 15 samples from 5 borings that were situated near the cooling towers were also analyzed for hexavalent chromium (Cr VI) using USEPA Method 7199.

Based on a review of the initial analytical results, selected soil samples with higher reported concentrations of total chromium were also analyzed for hexavalent chromium. Select soil samples were also analyzed for STLC and/or Toxicity Characteristic Leaching Procedure (TCLP) for barium (one soil sample), cadmium (3 soil samples), chromium (12 soil samples), copper (2 soil samples), lead (7 soil samples), and/or zinc (1 soil sample).

Soil lithology was classified in general accordance with the Unified Soil Classification System (USCS) by Ramboll field personnel, and lithologic logs together with PID readings were recorded in the field on boring log forms.

[4] Soil samples collected from depths between ground surface and 5 feet bgs from some of the borings, that could not be hand augered to a depth of 5 feet bgs (see previous note), were collected in acetate sampling sleeves.

4.6 Soil Vapor Sampling and Analysis

Soil vapor samples from the vapor probes were collected and analyzed in the field by A&R Laboratories, Inc. (A&R), California-certified mobile laboratory, in general accordance with the California Environmental Protection Agency, DTSC, LARWQCB, and San Francisco RWQCB (SFRWQCB) Advisory for Active Soil Gas Investigations (July 2015) (the "Advisory"). Quality control samples were also collected per the Advisory. The soil vapor samples were analyzed for VOCs using USEPA Method 8260.

4.7 Investigation-Derived Waste Management

Investigation-derived waste (IDW) from on-Site activities including soil cuttings and decontamination fluids (water) was staged at Cooling Tower #4, directly west from the office building at the Site, in 11 55-gallon DOT-rated drums.. The drums were labeled with "pending analysis," with the date accumulation began, contents, source, and contact information clearly marked. The drums were appropriately disposed on March 9, 2021, upon receipt of analytical results of the soil samples.

5. SUBSURFACE INVESTIGATION RESULTS

5.1 Field Observations

During drilling activities, soil was logged in general accordance with the USCS, screened with a PID, and recorded in the field. No subjective evidence related to possible hydrocarbon contamination, such as soil discoloration or product odor, was encountered in the borings, except for some staining noted in the soil samples collected from Borings RSB-28 and RSB-29. Soil was screened in the field with a PID by placing an aliquot of soil in a Ziploc® plastic bag and sampling the headspace with the PID. PID readings generally did not exceed background levels at all locations, and recorded readings ranged from 0.1 parts per million by volume (ppmv) to 1.7 ppmv. Boring logs are included as Appendix A.

5.1.1 Presence of Slag

Slag is a co-product from steel-making operations. It is generally noted to be black, grayish black, or dark bluish gray in color. Slag noted at the Site varied in color from black, grayish black, light gray, to dark bluish gray, It was also noted to be dull or even sparkly at some locations in the subsurface at the Site. The pieces of slag noted in the subsurface at the Site were generally between 2 inches and 6 inches in maximum dimension, although there were some fines that primarily ranged from sand to dust size. Larger pieces of slag were noted to be stored at the Site on the ground surface.

Based on prior sampling of the slag material (from the steel-making process) by on-Site facility personnel, slag was found to contain trace concentrations (less than one percent by weight) of combined metals including antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc.

Slag material was found in 33 of 99 boring locations at depths ranging from 0 to 10 feet bgs at the Site, mainly on the western, northern, and southwestern portions, and are shown on Figure 5. Thickness of slag encountered in the Site subsurface ranged between approximately 0.1 and 10 feet.

5.2 Screening Criteria

Ramboll evaluated the results of the investigation by comparing to appropriate regulatory screening thresholds as described below.

5.2.1 Soil Samples

Soil sample results were compared to USEPA Regional Screening Levels (RSLs) – November 2020 in a commercial/industrial soil scenario and the DTSC Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note No. 3 (June 2020) modified screening levels (DTSC-SLs).

Soil sample results were also compared to respective TTLC. If any analyte exceeded the TTLC limit, then the soil was classified as a California (non-RCRA) hazardous waste for handling and disposal purposes. STLC analysis was performed if the TTLC analyte result equaled or exceeded the STLC by a factor of 10 or more. If the STLC result was equal or greater than the STLC limit, then the soil was classified as California (non-RCRA) hazardous waste. TCLP analysis was also performed for the eight federally regulated metals if the TTLC result equaled or exceeded the TCLP threshold by a factor of 20 or more to assess whether the soil would be classified as a RCRA hazardous waste for handling and disposal purposes.

5.2.2 Soil Vapor Samples

The screening levels for soil vapor were calculated by dividing the conservative of the two commercial/ industrial screening levels, November 2020 USEPA Commercial/ Industrial RSLs or the June 2020 DTSC SLs for air, by the current default attenuation factor (AF) of 0.001 and the more conservative AF of 0.03. Given that the existing buildings at the Site will be demolished for redevelopment purposes, the soil vapor screening level using an AF of 0.001 would be the applicable criteria to use for a future building scenario at the Site as it is consistent with Ramboll's recent experience at properties where the DTSC has been involved and DTSC's general policy as to whether mitigation/remediation might be required for future buildings at a property.

5.3 Laboratory Results

Current analytical results for TPH and VOCs in soil, metals in soil, and PCBs in soil are presented in Tables 2, 3, and 4, respectively. Current analytical results for VOCs in soil vapor are presented in Table 5. Laboratory analytical reports and chain-of-custody documentation are provided in Appendix B.

Borings with soil and soil vapor analytical results exceeding respective regulatory screening criteria are depicted on Figure 6.

Soil

Total Petroleum Hydrocarbons

- TPH as gasoline (TPHg) was detected above its reporting limit (RL) in one soil sample analyzed at a concentration of 0.00034 mg/kg at a depth of 3 feet bgs at Boring RSB-46. This detected concentration was well below the commercial screening level for TPHg (420 mg/kg). TPHg was not reported in any of the step-out soil samples analyzed.
- TPHd was reported in 15 initial soil samples analyzed and ranged in concentrations between 11.8 mg/kg (RSB-20 at 3 feet bgs) and 9,230 mg/kg (1 foot bgs at RSB-03). The reported concentrations of TPHd in Boring RSB-03 (9,230 mg/kg) at 1 foot bgs and in Boring RSB-05 at 1 foot bgs (2,210) exceeded the commercial screening level for TPHd (560 mg/kg). The remaining reported concentrations of TPHd in soil were well below its commercial screening level. TPHd was reported in 11 step-out soil samples analyzed in the vicinity of original Borings RSB-03 and RSB-05 and ranged in concentrations between 48.8 mg/kg in RSB-03-N at 1 foot bgs and 7,590 mg/kg in RSB-05-S2 at 0.5 feet bgs. The reported TPHd concentrations in step-out Borings RSB-05-S (1 foot and 3 feet bgs), RSB-05-SCL (0.5 foot bgs), RSB-05-SSW (0.5 foot bgs), RSB-05-S2 (0.5 foot bgs), RSB-05-SSE (0.5 foot bgs), RSB-03-E (1 foot bgs), and RSB-03-S (1 foot bgs) exceeded its commercial screening level of 560 mg/kg.
- TPH as oil (TPHo) was reported in 19 initial soil samples analyzed and ranged in concentration between 19.8 mg/kg (Boring RSB-66 at 2 feet bgs) and 11,000 mg/kg (1 foot bgs at Boring RSB-03). These reported concentrations were well below the commercial screening level for TPHo (30,000 mg/kg). TPHo was reported in 7 step-out soil samples analyzed and ranged in concentrations between 141 mg/kg in Boring RSB-03-W at 1 foot bgs and 7,310 mg/kg in Boring RSB-05-S at 3 feet bgs. None of the reported TPHo concentrations in the step-out samples exceeded its commercial screening level of 30,000 mg/kg.

Volatile Organic Compounds

- VOCs detected above their respective RLs in the initial soil samples analyzed included 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, m,p-xylene, o-xylene, p-cymene, and tetrachloroethene (PCE). However, none of the reported VOC concentrations exceeded their respective commercial screening levels.

Metals

Several metals were detected at concentrations above their respective RLs in the original soil samples analyzed. However only lead and thallium[5] in the initial borings exceeded their respective commercial screening levels. A summary of the lead exceedances is provided below.

- Lead was detected at concentrations ranging between 1 and 2,910 mg/kg (Boring RSB-02 at 3 feet bgs). The concentrations of lead reported in Boring RSB-02 (2,910 mg/kg) at 3 foot bgs and in Boring RSB-57 at 1 foot bgs (918 mg/kg) and 3 feet bgs (401 mg/kg) exceeded the commercial screening level for lead (320 mg/kg). The remaining reported concentrations of lead in soil were below its commercial screening level. Lead was reported in the step-out soil samples analyzed in the vicinity of initial Borings RSB-02 and RSB-57 and ranged in concentrations between 2.7 mg/kg in Boring RSB-57-N at 1 foot bgs and 775 mg/kg in Boring RSB-57-S at 1 foot bgs. The reported lead concentrations in step-out Borings RSB-02-W at 3 feet bgs, RSB-57-S at 1 foot bgs, and RSB-57-W at 1 foot bgs exceeded its commercial screening level of 320 mg/kg.

Hazardous Waste Criteria for Metals

- Cadmium, lead, and zinc were detected at concentrations exceeding their respective TTLC limits (cadmium – 100 mg/kg, lead - 1,000 mg/kg, and zinc - 5,000 mg/kg) in 3 soil samples analyzed, Boring RSB-43 at 1 foot bgs (cadmium – 105 mg/kg), Boring RSB-02 at 3 feet bgs (lead - 2,910 mg/kg and zinc - 11,900 mg/kg), and Boring RSB-02-W at 3 feet bgs (lead 2,040 mg/kg). No other analytes exceeded their respective TTLC limits in the soil samples analyzed.
- Soil samples that were analyzed for STLC and/or TCLP for barium, cadmium, chromium, copper, lead, and zinc did not exceed their respective STLC and/or TCLP limits, except for lead in one sample, Boring RSB-02 at 3 feet bgs (31.8 mg/l), that exceeded the TCLP limit of 5 mg/l.

PCBs

PCBs were not detected at concentrations above their respective RLs in the 6 soil samples (from Borings RSB-51 and RSB-65) analyzed.

Soil Vapor

Several VOCs including 1,1,1,2-tetrachloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, benzene, chloroform, ethylbenzene, m,p-xylene,

[5] Thallium was initially detected in only one soil sample from initial Boring RSB-04 at a depth of 5 feet bgs and at a concentration of 22.1 mg/kg, which exceeded the commercial screening level for thallium (12 mg/kg). Thallium was not detected at the co-located and step-out samples analyzed in the vicinity of RSB-04. It was later discovered that the reported concentration of thallium in initial Boring RSB-04 at a depth of 5 feet bgs was a laboratory reporting error and the laboratory report was corrected accordingly.

o-xylene, PCE, toluene, and trichloroethene (TCE) were detected at concentrations above respective RLs in the original soil samples analyzed. However, chloroform and PCE were the only VOCs detected at concentrations above their respective screening levels using an AF of 0.001 at the Site. A summary of the chloroform and PCE exceedances is provided below.

- Chloroform was reported in soil vapor at concentrations ranging between 0.06 micrograms per liter (µg/l) in Boring RSB-25 at 5 feet bgs and 1 µg/l in Boring RSB-32 at 30 feet bgs. The concentration of chloroform in soil vapor in the Boring RSB-32 at 30 feet bgs exceeded its respective screening level of 0.53 µg/l (using an AF of 0.001) during the January 2021 sampling event.
- PCE was reported in soil vapor at concentrations ranging between 0.08 µg/l in Boring RSB-30 at 15 feet bgs and 100 µg/l in RSB-54 at 5 feet bgs. PCE concentrations in Boring RSB-54 at 5 feet bgs exceeded its respective screening level of 2 µg/l (using an AF of 0.001) during the January 2021 sampling event. The remaining reported concentrations of PCE in soil vapor were below its commercial screening level (using an AF of 0.001). PCE was reported in the step-out soil vapor samples analyzed in the vicinity of original Boring RSB-54 and ranged in concentrations between 0.01 µg/l in RSB-54-N at 35 feet bgs and 7.8 µg/l in RSB-54-CL at 15 feet bgs during the February 2021 sampling event. The concentration of PCE in soil vapor probe at RSB-54 at 5 feet bgs, when it was re-sampled during the February 2021 sampling event was reported at 34 µg/l. The detected concentrations of PCE in the soil vapor probes at Boring RSB-54 at 5 feet bgs, RSB-54-CL at 15 feet bgs, and RSB-E at 5 feet bgs exceeded its respective screening level of 2 µg/l (using an AF of 0.001) during the February 2021 sampling event.

5.4 Summary of Findings from Ramboll's 2020/2021 Investigation

Based on the subsurface Site investigation of the VOCs in soil and soil vapor conducted between December 2020 and February 2021, Ramboll presents the following findings.

5.5 Findings

- During Site investigation activities, slag material was found in 33 of 99 boring locations at depths ranging from 0 to 10 feet bgs at the Site, mainly on the western, northern, and southwestern portions. Thickness of slag encountered in the Site subsurface ranged between 0.1 and 10 feet.
- Although concentrations of lead in soil at the original and step-out soil Borings RSB-02 and RSB-57 exceeded its commercial screening level of 320 mg/kg at shallow depths (up to 3 feet bgs), lead concentrations in soil appeared to decrease in concentration with depth and away from original Borings RSB-02 and RSB-57. The remaining metals were not detected above their respective commercial screening levels in the soil samples analyzed at the Site. Lead was detected at concentrations exceeding their respective TTLC limits in 2 soil samples analyzed, RSB-02 at 3 feet bgs, and RSB-02-W at 3 feet bgs. Soil samples that were analyzed for STLC and/or TCLP for lead did not exceed their respective STLC and/or TCLP limits, except at RSB-02 at 3 feet bgs (31.8 mg/l), that exceeded the TCLP limit of 5 mg/l.
- Cadmium and zinc were detected at concentrations exceeding their respective TTLC limits in RSB-43 at 1 foot bgs and RSB-02 at 3 feet bgs, respectively. Soil samples that were analyzed for STLC and/or TCLP for barium, cadmium, chromium, copper, and zinc did not exceed their respective STLC and/or TCLP limits.

- TPHd concentrations at shallow soil samples from two locations, around Borings RSB-03 and -05 were reported to exceed its commercial screening level. Although concentrations of TPHd detected in soil at original and step-out borings at Boring RSB-03 exceeded its commercial screening level of 560 mg/kg at shallow depths (up to 5 feet bgs), TPHd concentrations in soil were noted to decrease in concentration with depth and away from initial Boring RSB-03. TPHd concentrations in soil at the original and step-out borings at RSB-05 exceeded its commercial screening level and appeared to decrease in concentration with depth and away from initial Boring RSB-05, with the exception of soil samples at shallow depth in step-out borings to the south of initial boring at RSB-05.
- TPHo were not reported above their respective commercial screening levels in the soil samples analyzed at the Site.
- VOCs in soil were not reported above their respective commercial screening levels in the soil samples analyzed at the Site.
- PCBs were not detected at concentrations above respective RLs in the 6 soil samples (from 2 borings) analyzed.
- PCE was reported in soil vapor at concentrations exceeding its respective screening level of 2 µg/l (using an AF of 0.001) at shallow depths (up to 5 feet bgs) at the original and step-out soil borings at RSB-54. However, the concentrations of PCE in soil vapor were decreased in concentration with depth and away from the initial Boring RSB-54. Additionally, PCE concentrations in soil vapor at Boring RSB-54 at 5 feet bgs decreased when it was re-sampled during the February 2021 sampling event compared to the January sampling event.

6. CONCLUSIONS

This section presents Ramboll's conclusions for the Site based on the recent subsurface investigations performed in 2020/2021, and taking into account the prior environmental work performed under the oversight of environmental regulatory agencies.

Since the late 1980s, several investigations and soil cleanups have taken place at the Site. Such activities were performed to address specific areas of environmental concern identified at the Site under the oversight of various environmental agencies including the Fire Department, DTSC, and the RWQCB-SA and have received respective agency closures. These areas consist of:

- Excavation of lead-impacted soil at the southwest corner of the Site (Parcel 1) - 1990.
- UST removals – 1993 (4 fuel oil USTs on Parcel 3), 2006 (4 diesel USTs on Parcel 3), 2011 (1 diesel UST on Parcel 2), 2014 (1 diesel UST on Parcel 4).
- Excavation of metals-impacted soil in EAF dust trenches (Parcel 4) - 2001.
- Slag stockpile commingled with baghouse dust remediation (Parcels 1 and 2) – 2002.
- Excavation of metals-impacted soil from area north of Pad 16 (Parcel 2) - 2007.

Based on the 2020/2021 Phase II Subsurface Investigation conducted at the Site, Ramboll presents the following conclusions.

- As part of historical on-Site operations, slag has been processed over the years. Slag is produced from former steel-making operations and has been both utilized on-Site in the past for fill and pavement needs, as well as sold to other facilities as a product. Prior sampling of the slag material (from the steel-making process) by on-Site facility personnel has found trace concentrations (less than one percent by weight) of combined metals including antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. In 2001, when overseeing excavation of metal-impacted soil within a portion of Parcel 4, the DTSC approved leaving slag in place and concluded that "*the Site did not pose a threat to human health or the environment under any land use.*" During Ramboll's recent investigations, slag material was observed at several borings at depths ranging from 0 to 10 feet bgs and in thickness ranging between approximately 0.1 and 10 feet, primarily on the western, northern, and southwestern portions of the Site. As part of future earthwork activities associated with the redevelopment of the Site that may disturb the slag, such slag may be managed in accordance with a Site-specific Soil Management Plan (SMP) prepared by a developer. The SMP may be implemented during any future grading and/or redevelopment activities at the Site for the management of potentially-impacted soils and/or subsurface features encountered during earthwork activities.
- The results of the recent subsurface investigation indicate that concentrations of TPHd and lead exceeding regulatory commercial screening levels in soil appear to be limited in aerial extent and depth. Further, due to the concentrations of lead, zinc, and/or cadmium, if soil is removed for off-Site disposal from limited portions of the Site (in the vicinity of Borings RSB-02, RSB-02W, and RSB-43), such soil will need to be managed in compliance with California and federal law.

- Based on a review of soil vapor data collected at the Site, Site-wide vapor mitigation measures are not necessary. PCE impacts in soil vapor at the Site appear to be localized to one area (in the east portion of the current Parts Warehouse building) and generally contained in the upper approximately 15 feet. Depending on the redevelopment plans for the Site, further soil vapor assessment and/or mitigation may be warranted by a developer within this limited portion of the Site.
- Groundwater has historically been measured at a depth of approximately 378 feet bgs in the on-Site water well. The investigations performed to date at the Site do not suggest that on-Site operations have adversely impacted groundwater.
- A Site-specific SMP could be prepared by a developer during any future grading and/or redevelopment activities at the Site for the management of soils and/or subsurface features encountered during earthwork activities. The SMP could incorporate any additional soil sampling that may be necessary prior to inform the redevelopment effort at the Site.

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8. LIMITATIONS

This Report has been prepared for the exclusive use of Commercial Metals Company and may not be relied upon by any other person or entity without Ramboll's prior express written permission.

This report has been prepared in conformance with generally accepted standards of practice in the fields of environmental sciences and engineering at the time the services were rendered. Ramboll makes no other warranty or representation, either express or implied, with respect to its services.

The report was developed based in part on information/data provided by our client and/or other third parties and conditions identified as of the date of this report. Ramboll assumes that such provided information is accurate.

TABLES

Table 1. Sampling Rationale
12459-B Arrow Route
Rancho Cucamonga, California

Location	Current Borings	Historical borings	Scope of Work	Soil Sample Depth (feet bgs)	Analytical Suite	Soil Vapor Probe Depth (feet bgs)	Rationale
24 locations in a grid - blue circles on Figure	RSB-01 through RSB-24	NA*	Each boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Evaluation of the extent of slag material at the site.
Three additional deep locations scattered throughout the grid - red circles on Figure	RSB-66, RSB-67, RSB-68	NA*	Each boring to a depth of 25 feet bgs. Hand auger to 5 feet bgs, then direct push to 25 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15 19.5-20 24.5-25	Metals, VOCs & TPH	-	Evaluation of the extent of slag material at the site. Further deeper sampling to provide spatial coverage on native soil material.
One boring inside maintenance shop, near hydraulic lift in northwest portion of site, on Parcel 4 - green circle in grid B-2 on Figure	RSB-61	NA*	One boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs. Vapor probe at 5 feet bgs	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near clarifier in northwest portion of site (Parcel 4) south of maintenance shop - purple circle in grid B-2 on Figure	RSB-59	NA*	One boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probe at 5 & 15 feet bgs	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near drain in northwest portion of site (Parcel 4) south of maintenance shop - green circle in grid B-2 on Figure	RSB-58	NA*	One boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two borings in slag trench remediation area on parcel 4 (yellow hatched area) - red circles in grid B-3 on Figure	RSB-34, RSB-35	B borings	2 borings to depths of 25 feet bgs. Hand auger to 5 feet bgs, then direct push to 25 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15 19.5-20 24.5-25	Metals, VOCs & TPH	-	On December 20, 2001, the DTSC issued a letter to Fontana Steel indicating that it had completed its review of the 2001 PEA. The soil sampling and analysis results had been compared to health-based criteria for unrestricted land use for 17 metals. DTSC concluded that “the Site does not appear to pose a threat to human health or the environment under any land use,” and concluded that no further action was necessary. This issue is characterized as a HREC in Ramboll’s 2020 Phase I ESA. Confirm current soil conditions in this area.
Pad 16 remediation area (orange hatched area) - blue circle in grid C-4 on Figure	RSB-18	A, B, C borings (no data?)	Grid sampling will cover shallow depths. One grid sample located within this area (approximate location).	No additional samples	-	-	One sample of the 24 grid samples (line item 2) is located in the former Pad 16 area. No additional samples proposed. The Consent Order described the successful remediation of the area and indicated that the remediation constituted full settlement of the issued violation. An acknowledgment from DTSC regarding payment of imposed penalties was received by TAMCO on December 3, 2008, presumably completing regulatory closure of the area. Although remedial activities in the area resulted in issuance of regulatory closure, because it is not known if soils allowed to remain in place were cleaned up to current residential standards, this issue is characterized as a CREC in Ramboll’s 2020 Phase I ESA.
Two borings in slag remediation area in central portion of Parcel 2 (pink hatched area) - orange circles on Figure	RSB-36, RSB-37	Exact sampling locations unclear. S (1-10) samples	2 borings to depths of 10 feet bgs. Hand auger to 5 feet bgs, then direct push to 10 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10	Metals, VOCs & TPH	-	A letter from the County Fire Department dated July 2, 2002 indicated that after reviewing the June 2001 report submitted by Clayton Group Services, Inc. (not available for Ramboll’s review), “No Further Action” was necessary regarding the remediation of slag and non-slag stockpile at the Site. Although remedial activities in the area resulted in regulatory closure for the case, because documentation was not available as to whether the cleanup standards met residential criteria, this issue is characterized as a CREC in Ramboll’s 2020 Phase I ESA. Confirm current soil conditions in this area.
One boring near stormwater channel in the southwest portion of site - green circle in grid G-2 on Figure	RSB-39	NA*	1 boring to a depth of 5 feet bgs from bottom of channel. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Lead remediation area (green hatched area) - blue circle in grid G-1 on Figure	RSB-01	Exact sampling locations unclear	Grid sampling will cover shallow depths. Two borings already located in this area (approximate location)	No additional samples	Metals, VOCs & TPH	-	One sample of the 24 grid samples (line item 2) is located in the former Pad 16 area. No additional samples proposed. Parcel 1 in the southwestern corner of the Site, including areas of adjacent neighboring properties, were remediated for lead impacts. This area received a NFA status from the RWQCB-SA on November 7, 1990. As a result of these activities, the Site is listed in the SLIC database with closed status. This issue is characterized as a HREC in Ramboll’s 2020 Phase I ESA.
One boring between emergency generator & approximate location of the former diesel UST - purple circle by feature 28 on Figure	RSB-25	TAMCO-1 (high diesel conc at 6.5 feet)	1 boring to a depth of to 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	One soil sample was collected from beneath the excavation, at a depth of approximately 6.5 feet bgs. The sample was analyzed for TPHd via USEPA Method 8015B and BTEX via USEPA Method 8260B. TPHd was detected at a concentration of 1,720 mg/kg, ethylbenzene was detected at a concentration of 57 µg/kg, and xylenes were detected at a concentration of µg/kg. Benzene, toluene, and other fuel oxygenates were not detected. The excavation was subsequently backfilled with concrete slurry. Surface indications of the UST were observed during ENVIRON’s 2010 Site visit but were not observed during Ramboll’s 2020 Site visit. Based on high diesel concentration observed in the soil sample from 2010, Ramboll will sample in the vicinity of the former UST to confirm soil conditions in area of this former feature.

Table 1. Sampling Rationale
12459-B Arrow Route
Rancho Cucamonga, California

Location	Current Borings	Historical borings	Scope of Work	Soil Sample Depth (feet bgs)	Analytical Suite	Soil Vapor Probe Depth (feet bgs)	Rationale
One boring near inside/outside area of large building in SW portion, vicinity of cooling water channel - black circle in grid F-4 on Figure	RSB-32	NA*	1 boring to a depth of 30 feet bgs. Hand auger to 5 feet bgs, then direct push to 30 feet bgs. Vapor probes at 5 & 30 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15 19.5-20 24.5-25 29.5-30	Metals, VOCs & TPH	5, 30	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two borings near clarifiers by baghouse, one near each clarifier - purple circles in grid G-4 on Figure	RSB-43, RSB-44	NA*	2 borings to a depth of 15 feet bgs, one at each clarifier. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15 5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Five borings near cooling towers (one at each) in south-southwest portion of site - green circles in grids F-4, G-4, and G-5 on Figure	RSB-40, RSB-41, RSB-42, RSB-45, RSB-62	NA*	5 borings to depth of 5 feet bgs, one at each cooling tower. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals & Cr VI	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near reheat oven - green circle near feature 17 on Figure	RSB-63	NA*	One borings to a depth of 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near active fuel UST - purple circle near feature 22 on Figure	RSB-27	NA*	1 boring to a depth of 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near approximate location of former 4 oil and 4 diesel USTs - purple circle near feature 26 on Figure	RSB-33	TM-1 through TM-8 (TPHs analyzed only at 16 feet bgs)	1 boring to a depth of 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Based on historical review conducted as part of Ramboll's 2020 Phase I ESA, four approximately 12,000-gallon USTs on Parcel 3, formerly used to store fuel oil were removed from the Site in 1993. (There are some discrepancies as to the size of these tanks, which are sometimes reported with a volume or 50,000 gallons each and sometimes listed with a collective volume of 50,000 or 52,000 gallons). Soil samples from the excavation were collected and tested, and the removal of the USTs and remediation of the excavation area received a NFA status from the Health Department dated April 28, 1994. However, based on the data reviewed, there appear to be data gaps at shallower depths of the historical borings in this area. This issue is characterized as a HREC in Ramboll's 2020 Phase I ESA. Confirm current soil conditions in this area.
Two borings (one at north end & one at south end) near open top clarifier - black circles near feature 25 on Figure	RSB-28, RSB-29	NA*	2 borings to depths of 30 feet bgs, one on north end and one on south end. Hand auger to 5 feet bgs, then direct push to 30 feet bgs. Vapor probes at 5 & 30 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15 19.5-20 24.5-25 29.5-30	Metals, VOCs & TPH	5, 30 5, 30	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two borings near wash station (east and west sides) - green circles near feature 23 on Figure	RSB-46, RSB-47	NA*	2 borings to a depth of 5 feet bgs, one at east end and one at west end. Hand auger to 5 feet bgs. Vapor probe at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5 5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near former oil cellar within production/ roll mill building - purple circle in grid F-6 on Figure	RSB-64	NA*	1 boring to a depth of 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Four borings in main production line building - green circles near features 12, 18, 19 (grids F-6 and G-6) on Figure	RSB-48, RSB-49, RSB-50, RSB-52	NA*	4 borings to a depth of 5 feet bgs. One by PCB material storage, one by hazardous material storage, 2 borings on north & south sides of the production line. Hand auger to 5 feet bgs. Vapor probes at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs, & TPH, (PCBs only at PCB storage)	5 5 5 5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring in roll shop south of main production line building - green circle near feature 12 on Figure	RSB-51	NA*	1 boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near transformers - green circle near feature 21 (not SCE property) in grid G-6 on Figure	RSB-65	NA*	1 boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH, PCBs	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two borings in lubricant storage area - green circles west of feature 9 on Figure	RSB-55, RSB-56	NA*	2 boring to depths of 5 feet bgs, one on new material & one by used material storage. Hand auger to 5 feet bgs. Vapor probe at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5 5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).

Table 1. Sampling Rationale
12459-B Arrow Route
Rancho Cucamonga, California

Location	Current Borings	Historical borings	Scope of Work	Soil Sample Depth (feet bgs)	Analytical Suite	Soil Vapor Probe Depth (feet bgs)	Rationale
One (possibly angled) boring near ASTs south of mobile maintenance building - green circle in grid G-7 on Figure	RSB-38	NA*	1 angled borings under AST to a depth of 5 feet bgs. Vapor probe at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5	Based on historical review conducted as part of Ramboll's 2020 Phase I ESA, the area in the vicinity of the ASTs located south of the Mobile Maintenance building at the Site on Parcel 3 exhibited significant staining, which "*could impact the subsurface and stormwater runoff*." The ASTs in this area were used to store oils, grease, and antifreeze used in the Mobile Maintenance building; diesel fuel was also reportedly stored in this area in 2010. At the time of Ramboll's 2020 Site visit, the area remained concrete paved and concrete-bermed, and three oil ASTs and one oil tote were observed in the area; the contents of the ASTs were piped inside the building and into dispensers for filling of vehicles and equipment inside the building. Ramboll has not been provided with information indicating that a soil investigation of the area was performed nor that the significantly stained area, as noted in the 1998 Arcadis report, was remediated. Based on the foregoing, Ramboll could not rule out the possibility that impacts to the soil from the contents of the ASTs stored in this area remain and as such, characterized this issue as a REC in the 2020 Phase I ESA. Confirm current soil conditions in this area.
Two borings within mobile maintenance building - photo 17 - purple and green circles near feature 13 on Figure	RSB-30, RSB-60	NA*	2 borings, one boring near drain to a depth of 15 feet bgs, one boring near broken asphalt to a depth of 5 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10	Metals, VOCs & TPH	5 5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring east of mobile maintenance building - green circle in grid G-7 on Figure	RSB-57	NA*	1 boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two borings within building in central portion of Parcel 3 - green circles in grids F-6 and F-7 on Figure	RSB-53, RSB-54	NA*	2 borings to depths of 5 feet bgs. Hand auger to 5 feet bgs. Vapor probes at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5 5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring at stormwater infiltration channel (east side) - green circle near feature 20 on Figure	RSB-26	NA*	1 boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs. Vapor probes at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring at hazardous waste storage, near east most building on Parcel 3 - green circle in grid F-8 on Figure	RSB-31	NA*	1 boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near former septic system - purple circle near feature 29 on Figure	RSB-69	NA*	1 borings to a depth of 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).

Notes:
AST - aboveground storage tank
bs - below ground surface
CREC - controlled recognized environmental condition
DTSC - Department of Toxic Substances Control
ESA- environmental site assessment
HREC - historical recognized environmental condition
mg/kg - milligram per kilogram
µg/kg - microgram per kilogram
NA* - Based on Ramboll's review, no historical borings were noted; however, there were missing appendices (not available for Ramboll's review) may show additional sampling locations
PEA - preliminary endangerment assessment
REC - recognized environmental condition
RWQCB - Regional Water Quality Control Board
SLIC - Spills, Leaks, Investigations, and Cleanup
TPH - total petroleum hydrocarbon
TPHd - total petroleum hydrocarbon as diesel
UST - underground storage tank
VOC - volatile organic compound
Decision to analyze for Cr VI and TCLP/STLC in soil will be based on total metals analytical results

			TPH using USEPA 8015M/8260B (mg/kg)			Detected VOCs using USEPA 8260B/5035 (mg/kg)								
Sample ID	Depth (feet bgs)	Sample Date	Gasoline Range Organics (C4-C12)	Diesel Range Organics (C13-C22)	Oil Range Organics (C23-C40)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Benzene	Ethyl Benzene	m,p-xylene	ortho-xylene	p-Cymene	Tetrachloroethene	Toluene
RSB-01	1	12/17/2020	< 0.00020	55.6	79	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-01	3	12/18/2020	< 0.00020	51	64.6	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-01	5	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0021	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-02	1	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-02	3	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-02	5	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-03	1	1/7/2021	< 0.00020	**9,230**	11,000	< 0.00100	< 0.00100	0.0036	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0021
RSB-03	3	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-03	5	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-03-N	1	1/26/2021	< 0.00020	48.8	348	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-03-N	3	1/26/2021	< 0.00020	138	4,140	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-03-W	1	1/26/2021	< 0.00020	113	141	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-03-W	3	1/26/2021	< 0.00020	< 1.00	<1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-03-E	1	1/26/2021	< 0.00020	**2,520**	4,920	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-03-E	3	1/26/2021	< 0.00020	< 1.00	<1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-03-S	1	1/27/2021	< 0.00020	**811**	1,110	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-03-S	3	1/27/2021	< 0.00020	< 1.00	<1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-04	1	12/17/2020	< 0.00020	83.7	91.4	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-04	3	1/6/2021	< 0.00020	< 1.00	22.2	< 0.00100	< 0.00100	0.0017	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-04	5	1/6/2021	< 0.00020	< 1.00	121	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-05	1	12/18/2020	< 0.00020	**2,210**	1,810	< 0.00100	< 0.00100	0.0018	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-05	3	12/18/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0011	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-05	5	12/18/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-05-N	3	1/26/2021	< 0.00020	< 1.00	<1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-W	1	1/26/2021	< 0.00020	< 1.00	<1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-W	3	1/26/2021	< 0.00020	< 1.00	<1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-E	1	1/26/2021	< 0.00020	< 1.00	<1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-E	3	1/26/2021	< 0.00020	< 1.00	<1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-S	1	1/26/2021	< 0.00020	**672**	607	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-S	3	1/26/2021	< 0.00020	**6,000**	7,310	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SCL	0.5	2/11/2021	NA	**3,270**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SCL	3	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SCL	5	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SCL	10	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SSW	0.5	2/11/2021	NA	**1,800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SSW	3	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SSW	5	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SSW	10	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SSE	0.5	2/11/2021	NA	**1,040**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SSE	3	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SSE	5	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-SSE	10	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-S2	0.5	2/11/2021	NA	**7,590**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-S2	3	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-S2	5	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-05-S2	10	2/11/2021	NA	< 10.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-06	1	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0037	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0013
RSB-06	3	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0024	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	0.001
RSB-06	5	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0038	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0016
RSB-07	1	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-07	3	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-07	5	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-08	1	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.001	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-08	3	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-08	5	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-09	1	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0013	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-09	3	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-09	5	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-10	1	12/17/2020	< 0.00020	15.8	117	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-10	3	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-10	5	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-11	1	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-11	3	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-11	5	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-12	1	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0012	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	0.0015
RSB-12	3	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-12	5	1/5/2021	< 0.00020	79.7	67.2	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-13	1	12/18/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-13	3	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0021	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-13	5	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0062	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0015
RSB-14	1	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0021	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-14	3	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-14	5	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-15	1	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0019	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-15	3	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0019	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-15	5	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-16	1	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0195	0.0014	< 0.00200	0.0034	< 0.00100	< 0.00100	0.0045
RSB-16	3	12/16/2020	< 0.00020	40	191	< 0.00100	< 0.00100	0.002	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0011
RSB-16	4	12/16/2020	< 0.00020	40.1	145	< 0.00100	< 0.00100	0.0058	< 0.00100	< 0.00200	0.0012	< 0.00100	< 0.00100	0.0022
RSB-16	5	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-17	1	12/16/2020	< 0.00020	26.6	45.9	< 0.00100	< 0.00100	0.0022	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-17	3	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	0.0035	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0011
RSB-17	5	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-18	1	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-18	3	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0021	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-18	5	12/17/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-19	1	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0018	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.002
RSB-19	3	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0012	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0015
RSB-19	5	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0013	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-20	1	12/14/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	0.0014	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-20	2	12/14/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	0.0012	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-20	3	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	0.0014	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-20	5	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-20-Stepout	1	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0027	< 0.00100	0.0025	< 0.00100	< 0.00100	< 0.00100	0.0036
RSB-20-Stepout	3	12/16/2020	< 0.00020	11.8	207	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0017
RSB-21	1	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0016
RSB-21	3	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-21	5	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0025
RSB-22	1	12/14/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-22	3	12/14/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-22	5	12/14/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	0.0027	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0011
RSB-23	1	12/14/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	0.0012	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0013
RSB-23	3	1/8/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0024	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-23	5	1/8/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0011	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-23-Stepout	1	12/15/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	0.0023	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-23-Stepout	3	12/15/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-24	2	12/15/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	0.0019	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-24	3	12/15/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-24	5	12/15/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100

			TPH using USEPA 8015M/8260B (mg/kg)			Detected VOCs using USEPA 8260B/5035 (mg/kg)								
Sample ID	Depth (feet bgs)	Sample Date	Gasoline Range Organics (C4-C12)	Diesel Range Organics (C13-C22)	Oil Range Organics (C23-C40)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Benzene	Ethyl Benzene	m,p-xylene	ortho-xylene	p-Cymene	Tetrachloroethene	Toluene
RSB-25	1	12/24/2020	< 0.00020	54.5	166	< 0.00100	< 0.00100	0.0018	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-25	3	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0012	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-25	5	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-25	10	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-25	15	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-26	1	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.002	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0011
RSB-26	3	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0026	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0015
RSB-26	5	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-27	1	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0012	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-27	3	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0012	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-27	5	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-27	10	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-27	15	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0023	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0013
RSB-28	1	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0041	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	0.0025
RSB-28	3	12/21/2020	< 0.00020	144	2,120	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-28	5	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	0.0019	0.0056	0.0017	< 0.00100	< 0.00100	< 0.00100
RSB-28	10	12/21/2020	< 0.00020	< 1.00	< 1.00	0.0028	< 0.00100	0.0033	< 0.00100	0.003	0.0015	< 0.00100	< 0.00100	0.0029
RSB-28	15	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-28	20	12/21/2020	< 0.00020	< 1.00	< 1.00	0.0013	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-28	25	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0011
RSB-28	30	12/21/2020	< 0.00020	< 1.00	< 1.00	0.0013	< 0.00100	0.0012	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0013
RSB-29	1	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0021
RSB-29	3	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0021	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-29	5	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-29	10	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	0.0021	0.0023	< 0.00100	< 0.00100	< 0.00100
RSB-29	15	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0015
RSB-29	20	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-29	25	12/21/2020	< 0.00020	< 1.00	< 1.00	0.0021	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-29	30	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-30	1	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0027	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0016
RSB-30	3	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.001	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-30	5	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-30	10	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-30	15	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-31	1	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-31	3	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0011	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-31	5	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0011	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-32	1	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-32	3	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-32	5	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-32	10	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-32	15	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-32	20	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-32	25	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-32	30	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-33	3	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-33	5	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0043	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-33	10	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	0.001	< 0.00100	< 0.00100
RSB-33	15	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-34	1	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-34	3	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-34	5	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	0.0073	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0033
RSB-34	10	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-34	15	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-34	20	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-34	25	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-35	1	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0014	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-35	3	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-35	5	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-35	10	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-35	15	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-35	20	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-35	25	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-36	1	12/23/2020	< 0.00020	80.5	108	0.0017	0.0014	0.0352	0.004	0.0055	0.0029	< 0.00100	< 0.00100	0.022
RSB-36	3	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0034	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.002
RSB-36	5	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0013	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-36	10	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-37	1	1/7/2021	< 0.00020	< 10.00	95	< 0.00100	< 0.00100	0.0031	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	0.0019
RSB-37	3	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-37	5	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-37	10	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-38	1	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0013
RSB-38	3	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-38	5	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.001	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-39	1	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-39	3	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0017	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-39	5	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0019	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-43	1	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0032	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	0.0011
RSB-43	3	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-43	5	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-43	10	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-43	15	12/23/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-44	1	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0039	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0017
RSB-44	3	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.001	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-44	5	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.003	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-44	10	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.003	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0021
RSB-44	15	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-46	1	12/18/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-46	3	12/18/2020	0.00034	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0061	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0035
RSB-46-Stepout	1	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-46-Stepout	3	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0026	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0014
RSB-46-Stepout	5	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.002	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0011
RSB-47-Stepout	1	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-47-Stepout	3	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0033	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0015
RSB-47-Stepout	5	1/5/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-48	1	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0017	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-48	3	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0017	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-48	5	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0017	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-49	1	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-49	3	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0018	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-49	5	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0017	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-50	1	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-50	3	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.003	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-50	5	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0019	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-51	1	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-51	3	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0011	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-51	5	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0018	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-52	1	12/30/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100

Table 2. Summary of TPH and VOCs Metals in Soil
12459-B Arrow Route
Rancho Cucamonga, California

Sample ID	Depth (feet bgs)	Sample Date	TPH using USEPA 8015M/8260B (mg/kg)			Detected VOCs using USEPA 8260B/5035 (mg/kg)								
			Gasoline Range Organics (C4-C12)	Diesel Range Organics (C13-C22)	Oil Range Organics (C23-C40)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Benzene	Ethyl Benzene	m,p-xylene	ortho-xylene	p-Cymene	Tetrachloroethene	Toluene
RSB-52	3	12/30/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-52	5	12/30/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-53	1	12/30/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-53	3	12/30/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-53	5	12/30/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-54	1	12/30/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0023	< 0.00100	< 0.00200	< 0.00100	< 0.00100	0.0538	0.001
RSB-54	3	12/30/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0014	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-54	5	12/30/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00250	< 0.00100	< 0.00100	0.0293	< 0.00100
RSB-55	3	12/31/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.001	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-55	5	12/31/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-56	1	12/31/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-56	3	12/31/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.001	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-56	5	12/31/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-57	1	12/31/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	0.0009	0.002
RSB-57	3	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	0.001	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-57	5	1/7/2021	< 0.00020	< 10.00	< 10.00	< 0.00100	< 0.00100	0.0011	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-58	1	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0018
RSB-58	3	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.001	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0011
RSB-58	5	12/16/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-59	1	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-59	3	12/24/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.001	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-59	5	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0016	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-59	10	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.003	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-59	15	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-60	1	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0049	0.0011	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0026
RSB-60	3	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-60	5	12/28/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0012	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-61	1	12/15/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-61	3	12/15/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-61	5	12/15/2020	< 0.00020	NA	NA	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-63	1	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0023	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-63	3	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0023	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-63	5	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-64	3	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-64	5	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-64	10	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-64	15	1/4/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-65	1	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0019	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-65	3	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0043	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0014
RSB-65	5	12/29/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0019	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-66	2	1/6/2021	< 0.00020	29.4	19.8	< 0.00100	< 0.00100	0.0017	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-66	3	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-66	5	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-66	10	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0024	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0012
RSB-66	15	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-66	20	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-66	25	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-67	1	1/6/2021	< 0.00020	63	89.1	< 0.00100	< 0.00100	0.003	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0013
RSB-67	3	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0023	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0011
RSB-67	5	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-67	10	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-67	15	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0013	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-67	20	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-67	25	1/6/2021	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0017	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-68	1	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0036	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	0.0027
RSB-68	3	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0018	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-68	5	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-68	10	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-68	15	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-68	20	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-68	25	12/22/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-69	1	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0025	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-69	3	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0026	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	0.0025
RSB-69	5	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	0.0015	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-69	10	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00100	< 0.00100	< 0.00100
RSB-69	15	12/21/2020	< 0.00020	< 1.00	< 1.00	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00250	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Regulatory Screening Criteria (mg/kg)														
USEPA RSL/DTSC HERO Note 3 Commercial Screnning Level*			**420**	**560**	**30,000**	**1,800**	**1,500**	**1.4**	**25**	**2,400**	**2,800**	**NE**	**2.7**	**5,300**

Notes
Bold indicates concentration above the USEPA/DTSC Screening Level
* - the most conservative screening level was used for comparison
Only compounds reported above the laboratory reporting limit in at least one sample are shown.
< X - Not Reported above laboratory reporting limit (X)
bgs - below ground surface
DTSC - Department of Toxic Substances Control
DTSC HERO HHRA Note 3 - DTSC Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs). Dated June 2020.
ID - Identification
mg/kg - milligram per kilogram
NA - not applicable
NE - not established
TPH - total petroleum hydrocarbons
USEPA - United States Environmental Protection Agency
USEPA RSL - United States Environmental Protection Agency Regional Screening Level, commercial/industrial land use, updated November 2020
VOCs - volatile organic compounds

Table 3. Summary of Metals in Soil
12459-B Arrow Route
Rancho Cucamonga, California

			Detected Metals using USEPA 6010B/7471A (mg/kg)																											
Sample ID	Depth (feet bgs)	Sample Date	Antimony	Arsenic	Barium	Barium STLC (mg/l)	Barium TCLP (mg/l)	Beryllium	Cadmium	Cadmium STLC (mg/l)	Cadmium TCLP (mg/l)	Chromium (total)	Chromium (total) STLC (mg/l)	Chromium (total) TCLP (mg/l)	Hexavalent Chromium	Cobalt	Copper	Copper STLC (mg/l)	Copper TCLP (mg/l)	Lead	Lead STLC (mg/l)	Lead TCLP (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Zinc STLC (mg/l)	Zinc TCLP (mg/l)
RSB-01	1	12/17/2020	12.2	< 5.00	293	NA	NA	< 0.50	5.8	NA	NA	484	NA	NA	NA	4.9	100.0	NA	NA	108.0	NA	NA	0.030	2.3	20.0	< 5.00	< 0.50	< 5.00	75.0	566	NA	NA
RSB-01	3	12/18/2020	< 5.00	< 5.00	271	NA	NA	< 0.50	7.1	NA	NA	490	NA	NA	0.102	6.4	90.3	NA	NA	120.0	NA	NA	0.041	3.3	27.5	< 5.00	< 0.50	< 5.00	48.2	713	NA	NA
RSB-01	5	1/6/2021	< 5.00	< 5.00	402	NA	NA	< 0.50	3.9	NA	NA	925	2.420	0.020	NA	2.7	45.4	NA	NA	23.9	NA	NA	< 0.02	< 0.50	9.0	< 5.00	< 0.50	< 5.00	71.9	182	NA	NA
RSB-02	1	1/4/2021	< 5.00	< 5.00	82.2	NA	NA	< 0.50	1.4	NA	NA	11.8	NA	NA	NA	6.5	9.9	NA	NA	10.8	NA	NA	< 0.02	< 0.50	8.6	< 5.00	< 0.50	< 5.00	28.9	68.7	NA	NA
RSB-02-N	1	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-W	1	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	92.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-E	1	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	91.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02	3	1/4/2021	< 5.00	< 5.00	102.0	NA	NA	< 0.50	55.6	NA	NA	NA	NA	NA	NA	8.0	157.0	NA	NA	***2,910***	NA	31.800	0.071	7.4	23.4	< 5.00	< 0.50	< 5.00	26.1	*11,900*	NA	273
RSB-02-N	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	81.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-W	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	***2,040***	NA	4.570	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-E	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-S	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02	5	1/4/2021	< 5.00	< 5.00	120.0	NA	NA	< 0.50	1.9	NA	NA	16.7	NA	NA	NA	9.5	17.2	NA	NA	4.4	NA	NA	< 0.02	< 0.50	11.5	< 5.00	< 0.50	< 5.00	38.6	74.4	NA	NA
RSB-02-N	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-W	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-E	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-S	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-03	1	1/7/2021	< 5.00	< 5.00	186.0	NA	NA	< 0.50	6.1	NA	NA	772	NA	NA	NA	8.1	272.0	NA	NA	44.7	NA	NA	0.035	< 0.50	64.0	< 5.00	< 0.50	< 5.00	99.0	743	NA	NA
RSB-03	3	1/7/2021	< 5.00	< 5.00	77.5	NA	NA	< 0.50	1.5	NA	NA	12.2	NA	NA	NA	6.1	14.2	NA	NA	16.2	NA	NA	< 0.02	< 0.50	7.8	< 5.00	< 0.50	< 5.00	24.2	61.4	NA	NA
RSB-03	5	1/7/2021	< 5.00	< 5.00	63.1	NA	NA	< 0.50	0.9	NA	NA	8.6	NA	NA	NA	5.6	4.7	NA	NA	1.7	NA	NA	< 0.02	< 0.50	4.5	< 5.00	< 0.50	< 5.00	23.4	26.9	NA	NA
RSB-04	1	12/17/2020	7.8	< 5.00	197.0	NA	NA	< 0.50	4.0	NA	NA	289	NA	NA	NA	5.5	57.1	NA	NA	59.0	NA	NA	0.031	2.2	17.6	< 5.00	< 0.50	< 5.00	38.4	347	NA	NA
RSB-04	3	1/6/2021	< 5.00	< 5.00	212.0	NA	NA	< 0.50	5.4	NA	NA	676	NA	NA	NA	6.1	73.4	NA	NA	126.0	NA	NA	0.021	< 0.50	29.4	< 5.00	< 0.50	< 5.00	33.1	913	NA	NA
RSB-04	5	1/6/2021	< 5.00	< 5.00	182.0	NA	NA	< 0.50	12.2	NA	NA	351	NA	NA	NA	14.0	245.0	NA	NA	28.8	NA	NA	< 0.02	19.0	78.8	< 5.00	< 0.50	< 5.00	164.0	< 1.50	NA	NA
RSB-04-N	5	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-E	5	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-S	5	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-W	5	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-N	10	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-E	10	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-S	10	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-W	10	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-CL	10	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-E	15	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-N	15	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-S	15	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-W	15	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-04-CL	15	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5.00	NA	NA	NA	NA
RSB-05	1	12/18/2020	< 5.00	< 5.00	147	NA	NA	< 0.50	13.5	NA	NA	542	NA	NA	NA	17.1	446.0	NA	NA	71.0	NA	NA	0.030	32.4	132.0	< 5.00	< 0.50	< 5.00	109.0	467	NA	NA
RSB-05	3	12/18/2020	< 5.00	< 5.00	101	NA	NA	< 0.50	1.5	NA	NA	12.7	NA	NA	NA	7.6	10.4	NA	NA	2.5	NA	NA	< 0.02	< 0.50	8.0	< 5.00	< 0.50	< 5.00	32.2	41.6	NA	NA
RSB-05	5	12/18/2020	< 5.00	< 5.00	97.7	NA	NA	< 0.50	1.5	NA	NA	12.5	NA	NA	NA	7.7	10.5	NA	NA	2.2	NA	NA	< 0.02	< 0.50	8.0	< 5.00	< 0.50	< 5.00	30.6	43	NA	NA
RSB-06	1	12/29/2020	< 5.00	< 5.00	128	NA	NA	< 0.50	1.8	NA	NA	16.4	NA	NA	NA	9.9	15.3	NA	NA	3.7	NA	NA	< 0.02	< 0.50	11.2	< 5.00	< 0.50	< 5.00	38.7	55.6	NA	NA
RSB-06	3	12/29/2020	< 5.00	< 5.00	109	NA	NA	< 0.50	1.5	NA	NA	16.7	NA	NA	NA	8.5	14.6	NA	NA	3.3	NA	NA	0.024	< 0.50	11.2	< 5.00	< 0.50	< 5.00	35.0	49.1	NA	NA
RSB-06	5	12/29/2020	< 5.00	< 5.00	111	NA	NA	< 0.50	1.5	NA	NA	17.7	NA	NA	NA	8.5	14.4	NA	NA	2.1	NA	NA	< 0.02	< 0.50	10.9	< 5.00	< 0.50	< 5.00	36.9	46.5	NA	NA
RSB-07	1	1/4/2021	< 5.00	< 5.00	131	NA	NA	< 0.50	2.1	NA	NA	18.1	NA	NA	NA	10.9	20.2	NA	NA	4.2	NA	NA	0.026	< 0.50	12.2	< 5.00	< 0.50	< 5.00	43.7	65.3	NA	NA
RSB-07	3	1/4/2021	< 5.00	< 5.00	92.5	NA	NA	< 0.50	1.4	NA	NA	13.1	NA	NA	NA	7.5	12.5	NA	NA	2.9	NA	NA	< 0.02	< 0.50	8.8	< 5.00	< 0.50	< 5.00	31.6	44.7	NA	NA
RSB-07	5	1/4/2021	< 5.00	< 5.00	91	NA	NA	< 0.50	1.3	NA	NA	12.2	NA	NA	NA	7.2	11.4	NA	NA	2.2	NA	NA	< 0.02	< 0.50	8.3	< 5.00	< 0.50	< 5.00	30.1	39.5	NA	NA
RSB-08	1	12/17/2020	< 5.00	< 5.00	88.5	NA	NA	< 0.50	1.3	NA	NA	12.2	NA	NA	NA	6.5	9.5	NA	NA	2.2	NA	NA	< 0.02	< 0.50	7.7	< 5.00	< 0.50	< 5.00	28.0	36.6	NA	NA
RSB-08	3	12/17/2020	< 5.00	< 5.00	87.7	NA	NA	< 0.50	1.3	NA	NA	12.4	NA	NA	NA	6.2	9.9	NA	NA	2.4	NA	NA	< 0.02	< 0.50	7.6	< 5.00	< 0.50	< 5.00	27.4	36.3	NA	NA
RSB-08	5	12/17/2020	< 5.00	< 5.00	102	NA	NA	< 0.50	1.6	NA	NA	14.1	NA	NA	NA	8.0	11.7	NA	NA	2.4	NA	NA	< 0.02	< 0.50	9.2	< 5.00	< 0.50	< 5.00	33.6	41.4	NA	NA
RSB-09	1	12/17/2020	< 5.00	< 5.00	112	NA	NA	< 0.50	1.9	NA	NA	14.0	NA	NA	NA	8.3	15.6	NA	NA	3.1	NA	NA	< 0.02	0.6	9.3	< 5.00	< 0.50	< 5.00	34.3	48.7	NA	NA
RSB-09	3	12/17/2020	< 5.00	< 5.00	87.7	NA	NA	< 0.50	1.5	NA	NA	12.9	NA	NA	NA	7.3	12.6	NA	NA	2.6	NA	NA	< 0.02	< 0.50	8.8	< 5.00	< 0.50	< 5.00	30.0	41	NA	NA
RSB-09	5	12/17/2020	< 5.00	< 5.00	75.6	NA	NA	< 0.50	1.4	NA	NA	12.2	NA	NA	NA	6.7	10.3	NA	NA	2.5	NA	NA	< 0.02	< 0.50	7.9	< 5.00	< 0.50	< 5.00	28.0	38.5	NA	NA
RSB-10	1	12/17/2020	< 5.00	< 5.00	68.8	NA	NA	< 0.50	1.3	NA	NA	10.8	NA	NA	NA	5.4	8.8	NA	NA	9.1	NA	NA	< 0.02	< 0.50	8.0	< 5.00	< 0.50	< 5.00	25.2	46.7	NA	NA
RSB-10	3	12/17/2020	< 5.00	< 5.00	118	NA	NA	< 0.50	2.0	NA	NA	19.0	NA	NA	NA	9.8	15.9	NA	NA	3.8	NA	NA	< 0.02	< 0.50	12.3	< 5.00	< 0.50	< 5.00	40.8	56.4	NA	NA
RSB-10	5	12/17/2020	< 5.00	< 5.00	69.6	NA	NA	< 0.50	1.1	NA	NA	10.0	NA	NA	NA	5.4	8.3	NA	NA	1.7	NA	NA	< 0.02	< 0.50	6.6	< 5.00	< 0.50	< 5.00	24.4	27.4	NA	NA
RSB-11	1	1/4/2021	< 5.00	< 5.00	107.0	NA	NA	< 0.50	1.6	NA	NA	12.8	NA	NA	NA	7.4	11.9	NA	NA	2.5	NA	NA	< 0.02	< 0.50	7.8	< 5.00	< 0.50	< 5.00	30.5	45.6	NA	NA
RSB-11	3	1/4/2021	< 5.00	< 5.00	66	NA	NA	< 0.50	1.2	NA	NA	10.4	NA	NA	NA	5.9	10.0	NA	NA	1.7	NA	NA	< 0.02	< 0.50	6.9	< 5.00	< 0.50	< 5.00	25.0	34.3	NA	NA
RSB-11	5	1/4/2021	< 5.00	< 5.00	52.3	NA	NA	< 0.50	1.0	NA	NA	9.6	NA	NA	NA	4.6	8.7	NA	NA	2.5	NA	NA	< 0.02	< 0.50	5.7	< 5.00	< 0.50	< 5.00	20.6	30.2	NA	NA
RSB-12	1	1/5/2021	< 5.00	< 5.00	67.7	NA	NA	< 0.50	1.3	NA	NA	11.6	NA	NA	NA	6.0	19.3	NA	NA	3.1	NA	NA	< 0.02	< 0.50	8.4	< 5.00	< 0.50	< 5.00	26.1	36.4	NA	NA
RSB-12	3	1/5/2021	< 5.00	< 5.00	55	NA	NA	< 0.50	0.9	NA	NA	7.2	NA	NA	NA	4.9	6.8	NA	NA	1.4	NA	NA	< 0.02	< 0.50	5.0	< 5.00	< 0.50	< 5.00	20.9	25.9	NA	NA
RSB-12	5	1/5/2021	< 5.00	< 5.00	47	NA	NA	< 0.50	1.0	NA	NA	10.7	NA	NA	NA	4.8	12.0	NA	NA	2.5	NA	NA	< 0.02	< 0.50	7.2	< 5.00	< 0.50	< 5.00	20.1	26.5	NA	NA
RSB-13	1	12/18/2020	< 5.00	< 5.00	433	NA	NA	< 0.50	31.6	NA	NA	1540	2.980	0.040	0.319	9.6	322.0	NA	NA	32.8	NA	NA	< 0.02	19.3	84.1	< 5.00	< 0.50	< 5.00	337.0	308	NA	NA
RSB-13	3	1/6/2021	< 5.00	< 5.00	144	NA	NA	< 0.50	3.3	NA	NA	425	NA	NA	NA	2.2	82.2	NA	NA	25.8	NA	NA	< 0.02	4.6	18.4	< 5.00	< 0.50	< 5.00	77.1	230	NA	NA
RSB-13	5	1/6/2021	< 5.00	< 5.00	213	NA	NA	< 0.50	3.7	NA	NA	394	NA	NA	NA	2.9	94.6	NA	NA	9.7	NA	NA	< 0.02	5.3	27.8	< 5.00	< 0.50	< 5.00	90.1	75.6	NA	NA
RSB-14	1	12/17/2020	< 5.00	< 5.00	119	NA	NA	< 0.50	1.9	NA	NA	18.3	NA	NA	NA	9.8	17.2	NA	NA	3.3	NA	NA	< 0.02	< 0.50	12.7	< 5.00	< 0.50	< 5.00	39.1	50.7	NA	NA
RSB-14	3	12/17/2020	< 5.00	< 5.00	83.3	NA	NA	< 0.50	1.3	NA	NA	13.7	NA	NA	NA	6.5	10.2	NA	NA	1.9	NA	NA	< 0.02	< 0.50	8.6	< 5.00	< 0.50	< 5.00	28.4	33.7	NA	NA
RSB-14	5	12/17/2020	< 5.00	< 5.00	82.2	NA	NA	< 0.50	1.2	NA	NA	13.7	NA	NA	NA	6.4	10.2	NA	NA	2.4	NA	NA	< 0.02	< 0.50	8.8	< 5.00	< 0.50	< 5.00	27.1	33.9	NA	NA
RSB-15	1	12/17/2020	< 5.00	< 5.00	112	NA	NA	< 0.50	1.9	NA	NA	16.7	NA	NA	NA	9.3	14.8	NA	NA	3.4	NA	NA	< 0.02	< 0.50	11.1	< 5.00	< 0.50	< 5.00	38.7	52.0	NA	NA
RSB-15	3	12/17/2020	< 5.00	< 5.00	121	NA	NA	< 0.50	2.0	NA	NA	16.8	NA	NA	NA	10.2	15.5	NA	NA	3.3	NA	NA	< 0.02	< 0.50	11.5	< 5.00	< 0.50	< 5.00	39.6	53.8	NA	NA
RSB-15	5	12/17/2020	< 5.00	< 5.00	72	NA	NA	< 0.50	1.4	NA	NA	9.9	NA	NA	NA	6.6	7.4	NA	NA	2.0	NA	NA	< 0.02	< 0.50	6.5	< 5.00	< 0.50	< 5.00	27.8	36.4	NA	NA
RSB-16	1	12/16/2020	5.4	< 5.00	150	NA	NA	< 0.50	5.4	NA	NA	151	1.610	< 0.01	NA	8.2	97.8	NA	NA	52.0	0.941	NA	0.043	5.3	34.6	< 5.00	1.000	< 5.00	52.6	652	NA	NA
RSB-16	3	12/16/2020	< 5.00	< 5.00	118	NA	NA	< 0.50	3.1	NA	NA	148	1.580	0.015	NA	7.1	55.6	NA	NA	23.1	NA	NA	0.033	3.0	21.3	< 5.00	< 0.50	< 5.00	51.3	174	NA	NA
RSB-16	4	12/16/2020	5.600	< 5.00	177	NA	NA	< 0.50	2.8	NA	NA	174	3.120	0.029	NA	6.8	46.3	NA	NA	23.9	NA	NA	0.034	2.8	21.3	< 5.00	0.800	< 5.00	58.0	160	NA	NA
RSB-16	5	1/6/2021	< 5.00	< 5.00	69.2	NA	NA	< 0.50	1.0	NA	NA	12	NA	NA	NA	4.8	8.9	NA	NA	1.8	NA	NA	< 0.02	< 0.50	6.0	< 5.00	< 0.50	< 5.00	21.6	33.6	NA	NA
RSB-17	1	12/16/2020	16.2	< 5.00	235	NA	NA	< 0.50	13.9	0.050	0.010	813	3.270	0.040	NA	13.9	484.0	0.240	0.140	242.0	0.670	0.050	0.708	34.6	162.0	< 5.00	2.2	< 5.00	76.2	1390	NA	NA
RSB-17	3	1/7/2021	< 5.00	< 5.00	102	NA	NA	< 0.50	1.5	NA	NA	16.8	NA	NA	NA	7.9	11.9	NA	NA	2.6	NA	NA	< 0.02	< 0.50	8.9	< 5.00	< 0.50	< 5.00	32.4	45.3	NA	NA
RSB-17	5	1/7/2021	< 5.00	< 5.00	104	NA	NA	< 0.50	1.4	NA	NA	15.6	NA	NA	NA	7.6	12.3	NA	NA	2.4	NA	NA	< 0.02	< 0.50	9.4	< 5.00	< 0.50	< 5.00	33.6	47.2	NA	NA
RSB-18	1	12/17/2020	< 5.00	< 5.00	76.2	NA	NA	< 0.50	1.3	NA	NA	9.6	NA	NA	NA	6.3	7.5	NA	NA	2.4	NA	NA	< 0.02	< 0.50	6.3	< 5.00	< 0.50	< 5.00	29.8	33.2	NA	NA
RSB-18	3	12/17/2020	< 5.00	< 5.00	101	NA	NA	< 0.50	1.7	NA	NA	14.3	NA	NA	NA	8.4	12.5	NA	NA	3.2	NA	NA	< 0.02	< 0.50	9.5	< 5.00	< 0.50	< 5.00	34.7	45.5	NA	NA
RSB-18	5	12/17/2020	< 5.00	< 5.00	89.2	NA	NA	< 0.50	1.4	NA	NA	12.2	NA	NA	NA	7.1	10.6	NA	NA	2.4	NA	NA	< 0.02	< 0.50	8.1	< 5.00	< 0.50	< 5.00	29.0	42.8	NA	NA
RSB-19	1	12/16/2020	< 5.00	< 5.00	97.9	NA	NA	< 0.50	1.4	NA	NA	14.3	NA	NA	NA	7.2	10.2	NA	NA	2.3	NA	NA	< 0.02	< 0.50	8.7	< 5.00	< 0.50	< 5.00	32.7	41.5	NA	NA
RSB-19	3	12/16/2020	< 5.00	< 5.00	84.9	NA	NA	< 0.50	1.4	NA	NA	14.0	NA	NA	NA	6.8	10.4	NA	NA	3.3	NA	NA	< 0.02	< 0.50	8.7	< 5.00	< 0.50	< 5.00	32.6	38.3	NA	NA
RSB-19	5	12/16/2020	< 5.00	< 5.00	90.5	NA	NA	< 0.50	1.4	NA	NA	14.8	NA	NA	NA	7.4	11.4	NA	NA	2.3	NA	NA	< 0.02	< 0.50	9.1	< 5.00	< 0.50	< 5.00	34.8	39.7	NA	NA
RSB-20	1	12/14/2020	< 5.00	< 5.00	160	NA	NA	< 0.50	1.5	NA	NA	27.9	NA	NA	NA	9.9	20.7	NA	NA	4.1	NA	NA	< 0.02	< 0.50	16.1	< 5.00	< 0.50	< 5.00	46.4	37.4	NA	NA
RSB-20	2	12/14/2020	< 5.00	< 5.00	136	NA	NA	< 0.50	1.4	NA	NA	22.1	NA	NA	NA	8.2	14.6	NA	NA	3.9	NA	NA	< 0.02	< 0.50	13.9	< 5.00	< 0.50	< 5.00	40.2	35.6	NA	NA
RSB-20	3	1/7/2021	< 5.00	< 5.00	117	NA	NA	< 0.50	1.3	NA	NA	34.0	NA	NA	NA	6.6	17.6	NA	NA	3.4	NA	NA	0.024	< 0.50	12.4	< 5.00	< 0.50	< 5.00	35.8	39.0	NA	NA
RSB-20	5	1/7/2021	< 5.00	< 5.00	104	NA	NA	< 0.50	1.3	NA	NA	13.5	NA	NA	NA	7.2	10.6	NA	NA	1.8	NA	NA	< 0.02	< 0.50	7.9	< 5.00	< 0.50	< 5.00	31.2	41.4	NA	NA
RSB-20-Stepout	1	12/16/2020	< 5.00	< 5.00	145	NA	NA	< 0.50	1.6	NA	NA	79.5	1.680	NA	NA	6.6	18.1	NA	NA	7.4	NA	NA	0.025	< 0.50	11.6	< 5.00	< 0.50	< 5.00	38.4	59.0	NA	NA
RSB-20-Stepout	3	12/16/2020	< 5.00	< 5.00	115	NA	NA	< 0.50	1.3	NA	NA	16.4	NA	NA	NA	7.3	11.3	NA	NA	4.0	NA	NA	< 0.02	< 0.50	11.0	< 5.00	< 0.50	< 5.00	35.9	36.0	NA	NA
RSB-21	1	12/16/2020	< 5.00	< 5.00	75.2	NA	NA	< 0.50	1.3	NA	NA	16.3	NA	NA	NA	6.2	8.4	NA	NA	3.4	NA	NA	< 0.02	< 0.50	7.2	< 5.00	< 0.50	< 5.00	34.3	40.7	NA	NA
RSB-21	3	12/16/2020	< 5.00	< 5.00	97.3	NA	NA	< 0.50	1.4	NA	NA	14.5	NA	NA	NA	7.4	11.0	NA	NA	2.6	NA	NA	< 0.02	< 0.50	8.8	< 5.00	< 0.50	< 5.00	34.9	39.1	NA	NA
RSB-21	5	12/16/2020	< 5.00	< 5.00	100	NA	NA	< 0.50	1.4	NA	NA	14.2	NA	NA	NA	7.6	10.8	NA	NA	2.2	NA	NA	< 0.02	< 0.50	9.1	< 5.00	< 0.50	< 5.00	33.7	38.5	NA	NA
RSB-22	1	12/14/2020	< 5.00	< 5.00	91.8	NA	NA	< 0.50	1.4	NA	NA	13.4	NA	NA	NA	7.6	9.8	NA	NA	3.0	NA	NA	< 0.02	< 0.50	8.7	< 5.00	< 0.50	< 5.00	31.9	40.5	NA	NA
RSB-22	3	12/14/2020	< 5.00	< 5.00	92	NA	NA	< 0.50	1.4	NA	NA	13.1	NA	NA	NA	7.3	9.6	NA	NA	2.7	NA	NA	< 0.02	< 0.50	8.6	< 5.00	< 0.50	< 5.00	30.9	40.3	NA	NA
RSB-22	5	12/14/2020	< 5.00	< 5.00	140	NA	NA	< 0.50	2.0	NA	NA	21.2	NA	NA	NA	11.2	19.0	NA	NA	3.7	NA	NA	< 0.02	< 0.50	15.0	< 5.00	< 0.50	< 5.00	45.9	62.2	NA	NA
RSB-23	1	12/14/2020	< 5.00	< 5.00	127	NA	NA	< 0.50	1.3	NA	NA	20.5	NA	NA	NA	7.6	13.8	NA	NA	4.1	NA	NA	< 0.02	< 0.50	13.0	< 5.00	< 0.50	< 5.00	37.6	35.4	NA	NA

Table 3. Summary of Metals in Soil
12459-B Arrow Route
Rancho Cucamonga, California

Sample ID	Depth (feet bgs)	Sample Date	Detected Metals using USEPA 6010B/7471A (mg/kg)																													
			Antimony	Arsenic	Barium	Barium STLC (mg/l)	Barium TCLP (mg/l)	Beryllium	Cadmium	Cadmium STLC (mg/l)	Cadmium TCLP (mg/l)	Chromium (total)	Chromium (total) STLC (mg/l)	Chromium (total) TCLP (mg/l)	Hexavalent Chromium	Cobalt	Copper	Copper STLC (mg/l)	Copper TCLP (mg/l)	Lead	Lead STLC (mg/l)	Lead TCLP (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Zinc STLC (mg/l)	Zinc TCLP (mg/l)
RSB-23	3	1/8/2021	< 5.00	< 5.00	25.7	NA	NA	< 0.50	0.7	NA	NA	11.0	NA	NA	NA	2.4	1.1	NA	NA	1.9	NA	NA	< 0.02	< 0.50	2.5	< 5.00	< 0.50	< 5.00	7.4	28.1	NA	NA
RSB-23	5	1/8/2021	< 5.00	< 5.00	99.2	NA	NA	< 0.50	1.8	NA	NA	18.0	NA	NA	NA	9.3	13.4	NA	NA	5.7	NA	NA	< 0.02	< 0.50	11.4	< 5.00	< 0.50	< 5.00	39.4	53.2	NA	NA
RSB-23-Stepout	1	12/15/2020	< 5.00	< 5.00	92.6	NA	NA	< 0.50	1.1	NA	NA	16.3	NA	NA	NA	6.5	11.6	NA	NA	2.9	NA	NA	< 0.02	< 0.50	10.5	< 5.00	< 0.50	< 5.00	29.0	28.7	NA	NA
RSB-23-Stepout	3	12/15/2020	< 5.00	< 5.00	103	NA	NA	< 0.50	1.2	NA	NA	16.9	NA	NA	NA	6.5	12.8	NA	NA	3.3	NA	NA	< 0.02	< 0.50	11.9	< 5.00	< 0.50	< 5.00	30.6	33.5	NA	NA
RSB-24	2	12/15/2020	< 5.00	< 5.00	123	NA	NA	< 0.50	2.1	NA	NA	52.2	NA	NA	NA	8.5	21.3	NA	NA	8.1	NA	NA	0.023	0.5	14.9	< 5.00	< 0.50	< 5.00	42.9	58.8	NA	NA
RSB-24	3	12/15/2020	< 5.00	< 5.00	80.4	NA	NA	< 0.50	1.7	NA	NA	18.5	NA	NA	NA	6.9	13.0	NA	NA	13.8	NA	NA	0.021	< 0.50	11.7	< 5.00	< 0.50	< 5.00	34.0	57.9	NA	NA
RSB-24	5	12/15/2020	< 5.00	< 5.00	57.7	NA	NA	< 0.50	1.0	NA	NA	12.3	NA	NA	NA	4.6	6.9	NA	NA	2.1	NA	NA	< 0.02	< 0.50	6.2	< 5.00	< 0.50	< 5.00	22.6	29.2	NA	NA
RSB-25	1	12/24/2020	< 5.00	< 5.00	193	NA	NA	< 0.50	10.7	NA	NA	842	NA	NA	NA	8.9	282.0	NA	NA	130.0	NA	NA	0.167	17.8	99.1	< 5.00	< 0.50	< 5.00	91.0	1,580	NA	NA
RSB-25	3	12/24/2020	< 5.00	< 5.00	101	NA	NA	< 0.50	1.4	NA	NA	14.6	NA	NA	NA	7.9	11.4	NA	NA	2.6	NA	NA	< 0.02	< 0.50	8.9	< 5.00	< 0.50	< 5.00	33.3	42.8	NA	NA
RSB-25	5	12/24/2020	< 5.00	< 5.00	86.7	NA	NA	< 0.50	1.3	NA	NA	13.5	NA	NA	NA	7.5	10.2	NA	NA	2.4	NA	NA	< 0.02	< 0.50	8.1	< 5.00	< 0.50	< 5.00	32.0	41.0	NA	NA
RSB-25	10	12/24/2020	< 5.00	< 5.00	91.2	NA	NA	< 0.50	1.2	NA	NA	11.1	NA	NA	NA	6.7	9.1	NA	NA	1.8	NA	NA	< 0.02	< 0.50	7.2	< 5.00	< 0.50	< 5.00	28.4	37.3	NA	NA
RSB-25	15	12/24/2020	< 5.00	< 5.00	120	NA	NA	< 0.50	1.5	NA	NA	9.4	NA	NA	NA	8.0	7.3	NA	NA	2.3	NA	NA	< 0.02	< 0.50	6.7	< 5.00	< 0.50	< 5.00	32.4	40.4	NA	NA
RSB-26	1	1/5/2021	< 5.00	< 5.00	69.1	NA	NA	< 0.50	1.1	NA	NA	9.7	NA	NA	NA	5.5	10.5	NA	NA	7.7	NA	NA	< 0.02	< 0.50	6.5	< 5.00	< 0.50	< 5.00	24.0	66.9	NA	NA
RSB-26	3	1/5/2021	< 5.00	< 5.00	106	NA	NA	< 0.50	1.8	NA	NA	17.4	NA	NA	NA	8.6	15.9	NA	NA	5.3	NA	NA	0.026	< 0.50	10.5	< 5.00	< 0.50	< 5.00	37.0	62.4	NA	NA
RSB-26	5	1/5/2021	< 5.00	< 5.00	82	NA	NA	< 0.50	1.4	NA	NA	15.4	NA	NA	NA	6.3	23.4	NA	NA	13.7	NA	NA	0.020	< 0.50	10.8	< 5.00	< 0.50	< 5.00	27.9	91.8	NA	NA
RSB-27	1	12/22/2020	< 5.00	< 5.00	81.4	NA	NA	< 0.50	1.6	NA	NA	11.7	NA	NA	NA	6.8	8.7	NA	NA	5.7	NA	NA	< 0.02	< 1.00	8.3	< 5.00	< 0.50	< 5.00	33.3	63.0	NA	NA
RSB-27	3	12/22/2020	< 5.00	< 5.00	86.9	NA	NA	< 0.50	1.4	NA	NA	11.6	NA	NA	NA	6.4	9.2	NA	NA	2.1	NA	NA	< 0.02	< 1.00	8.1	< 5.00	< 0.50	< 5.00	29.9	48.0	NA	NA
RSB-27	5	12/22/2020	< 5.00	< 5.00	68.8	NA	NA	< 0.50	1.4	NA	NA	11.6	NA	NA	NA	6.2	8.8	NA	NA	2.0	NA	NA	< 0.02	< 1.00	8.3	< 5.00	< 0.50	< 5.00	30.4	48.1	NA	NA
RSB-27	10	12/22/2020	< 5.00	< 5.00	142	NA	NA	< 0.50	2.2	NA	NA	13.7	NA	NA	NA	11.2	10.6	NA	NA	3.8	NA	NA	< 0.02	< 1.00	8.4	< 5.00	< 0.50	< 5.00	46.2	45.2	NA	NA
RSB-27	15	12/22/2020	< 5.00	< 5.00	85.8	NA	NA	< 0.50	1.2	NA	NA	8.9	NA	NA	NA	6.3	6.2	NA	NA	1.3	NA	NA	< 0.02	< 1.00	4.9	< 5.00	< 0.50	< 5.00	25.8	34.6	NA	NA
RSB-28	1	12/21/2020	< 5.00	< 5.00	96.7	NA	NA	< 0.50	5.7	NA	NA	136	NA	NA	< 0.040	6.4	114.0	NA	NA	67.2	NA	NA	< 0.02	3.9	23.6	< 5.00	< 0.50	< 5.00	76.2	499	NA	NA
RSB-28	3	12/21/2020	< 5.00	< 5.00	134	NA	NA	< 0.50	1.4	NA	NA	10.2	NA	NA	NA	6.1	10.7	NA	NA	3.4	NA	NA	< 0.02	< 0.50	7.0	< 5.00	< 0.50	< 5.00	27.2	67.9	NA	NA
RSB-28	5	12/21/2020	< 5.00	< 5.00	82.3	NA	NA	< 0.50	1.4	NA	NA	12.4	NA	NA	NA	7.0	11.4	NA	NA	3.2	NA	NA	< 0.02	0.7	9.4	< 5.00	< 0.50	< 5.00	28.1	42.9	NA	NA
RSB-28	10	12/21/2020	< 5.00	< 5.00	105	NA	NA	< 0.50	1.7	NA	NA	15.8	NA	NA	NA	8.6	14.0	NA	NA	3.6	NA	NA	< 0.02	0.6	10.6	< 5.00	< 0.50	< 5.00	34.9	57.3	NA	NA
RSB-28	15	12/21/2020	< 5.00	< 5.00	162	NA	NA	< 0.50	2.0	NA	NA	11.7	NA	NA	NA	11.6	7.9	NA	NA	3.2	NA	NA	< 0.02	1.4	7.8	< 5.00	< 0.50	< 5.00	45.6	36.6	NA	NA
RSB-28	20	12/21/2020	< 5.00	< 5.00	119	NA	NA	< 0.50	1.8	NA	NA	10.8	NA	NA	NA	8.3	8.3	NA	NA	2.7	NA	NA	< 0.02	< 0.50	10.5	< 5.00	< 0.50	< 5.00	37.5	39.8	NA	NA
RSB-28	25	12/21/2020	< 5.00	< 5.00	115	NA	NA	< 0.50	1.5	NA	NA	10.4	NA	NA	NA	7.1	7.7	NA	NA	1.1	NA	NA	< 0.02	< 0.50	7.1	< 5.00	< 0.50	< 5.00	32.2	33.2	NA	NA
RSB-28	30	12/21/2020	< 5.00	< 5.00	155	NA	NA	< 0.50	1.8	NA	NA	12.5	NA	NA	NA	8.8	10.7	NA	NA	1.9	NA	NA	< 0.02	< 0.50	9.3	< 5.00	< 0.50	< 5.00	41.2	45.8	NA	NA
RSB-29	1	12/21/2020	< 5.00	< 5.00	130	NA	NA	< 0.50	2.2	NA	NA	17.3	NA	NA	NA	10.8	16.3	NA	NA	3.5	NA	NA	< 0.02	< 0.50	12.0	< 5.00	< 0.50	< 5.00	42.6	58.7	NA	NA
RSB-29	3	12/21/2020	< 5.00	< 5.00	80.8	NA	NA	< 0.50	1.4	NA	NA	11.6	NA	NA	NA	6.8	9.6	NA	NA	2.2	NA	NA	< 0.02	< 0.50	8.8	< 5.00	< 0.50	< 5.00	28.5	39.8	NA	NA
RSB-29	5	12/21/2020	< 5.00	< 5.00	72.9	NA	NA	< 0.50	1.3	NA	NA	10.5	NA	NA	NA	6.4	8.6	NA	NA	1.8	NA	NA	< 0.02	< 0.50	7.4	< 5.00	< 0.50	< 5.00	28.8	35.1	NA	NA
RSB-29	10	12/21/2020	< 5.00	< 5.00	138	NA	NA	< 0.50	1.9	NA	NA	12.7	NA	NA	NA	9.9	8.0	NA	NA	3.2	NA	NA	< 0.02	< 0.50	8.4	< 5.00	< 0.50	< 5.00	46.2	37.9	NA	NA
RSB-29	15	12/21/2020	< 5.00	< 5.00	132	NA	NA	< 0.50	1.6	NA	NA	10.2	NA	NA	NA	8.1	6.5	NA	NA	1.7	NA	NA	< 0.02	< 0.50	7.8	< 5.00	< 0.50	< 5.00	37.9	37.4	NA	NA
RSB-29	20	12/21/2020	< 5.00	< 5.00	87.1	NA	NA	< 0.50	1.5	NA	NA	8.7	NA	NA	NA	6.3	6.5	NA	NA	1.9	NA	NA	< 0.02	< 0.50	6.5	< 5.00	< 0.50	< 5.00	34.2	33.6	NA	NA
RSB-29	25	12/21/2020	< 5.00	< 5.00	106	NA	NA	< 0.50	1.7	NA	NA	9.5	NA	NA	NA	8.5	7.8	NA	NA	2.1	NA	NA	< 0.02	< 0.50	6.5	< 5.00	< 0.50	< 5.00	35.4	42.8	NA	NA
RSB-29	30	12/21/2020	< 5.00	< 5.00	86.3	NA	NA	< 0.50	1.6	NA	NA	7.9	NA	NA	NA	7.2	7.4	NA	NA	1.7	NA	NA	< 0.02	< 0.50	6.1	< 5.00	< 0.50	< 5.00	31.3	40.3	NA	NA
RSB-30	1	12/29/2020	< 5.00	< 5.00	95.9	NA	NA	< 0.50	3.5	NA	NA	24.5	NA	NA	NA	9.5	1450.0	3.370	NA	153.0	NA	NA	0.076	2.8	22.0	< 5.00	< 0.50	< 5.00	29.4	325	NA	NA
RSB-30	3	12/29/2020	< 5.00	< 5.00	94.5	NA	NA	< 0.50	1.5	NA	NA	11.5	NA	NA	NA	7.7	11.4	NA	NA	3.8	NA	NA	< 0.02	< 0.50	7.8	< 5.00	< 0.50	< 5.00	32.1	48	NA	NA
RSB-30	5	12/29/2020	< 5.00	< 5.00	74.6	NA	NA	< 0.50	1.1	NA	NA	10.8	NA	NA	NA	6.6	8.5	NA	NA	1.8	NA	NA	< 0.02	< 0.50	7.3	< 5.00	< 0.50	< 5.00	27.7	35.3	NA	NA
RSB-30	10	12/29/2020	< 5.00	< 5.00	77.9	NA	NA	< 0.50	1.1	NA	NA	9.8	NA	NA	NA	6.6	5.7	NA	NA	1.9	NA	NA	< 0.02	< 0.50	6.1	< 5.00	< 0.50	< 5.00	30.2	29.1	NA	NA
RSB-30	15	12/29/2020	< 5.00	< 5.00	108	NA	NA	< 0.50	1.5	NA	NA	10.9	NA	NA	NA	9.2	7.5	NA	NA	2.7	NA	NA	0.020	< 0.50	7.5	< 5.00	< 0.50	< 5.00	37.9	36.4	NA	NA
RSB-31	1	1/4/2021	< 5.00	< 5.00	96	NA	NA	< 0.50	1.5	NA	NA	12.3	NA	NA	NA	7.6	13.1	NA	NA	4.5	NA	NA	< 0.02	< 0.50	8.5	< 5.00	< 0.50	< 5.00	31.6	50.0	NA	NA
RSB-31	3	1/4/2021	< 5.00	< 5.00	93.9	NA	NA	< 0.50	1.5	NA	NA	13.3	NA	NA	NA	7.5	11.7	NA	NA	2.7	NA	NA	< 0.02	< 0.50	9.0	< 5.00	< 0.50	< 5.00	31.0	44.5	NA	NA
RSB-31	5	1/4/2021	< 5.00	< 5.00	74.5	NA	NA	< 0.50	1.2	NA	NA	10.9	NA	NA	NA	6.2	8.6	NA	NA	2.8	NA	NA	< 0.02	< 0.50	7.5	< 5.00	< 0.50	< 5.00	25.5	40.5	NA	NA
RSB-32	1	12/24/2020	< 5.00	< 5.00	84.7	NA	NA	< 0.50	1.9	NA	NA	18.8	NA	NA	NA	7.3	29.9	NA	NA	12.0	NA	NA	< 0.02	0.7	14.4	< 5.00	< 0.50	< 5.00	30.0	81.2	NA	NA
RSB-32	3	12/24/2020	< 5.00	< 5.00	82.1	NA	NA	< 0.50	2.0	NA	NA	14.3	NA	NA	NA	7.3	18.2	NA	NA	29.7	NA	NA	< 0.02	< 0.50	10.5	< 5.00	< 0.50	< 5.00	30.2	176	NA	NA
RSB-32	5	12/24/2020	< 5.00	< 5.00	66.2	NA	NA	< 0.50	1.1	NA	NA	10.4	NA	NA	NA	5.4	11.5	NA	NA	6.1	NA	NA	< 0.02	< 0.50	7.8	< 5.00	< 0.50	< 5.00	22.9	47.1	NA	NA
RSB-32	10	12/24/2020	< 5.00	< 5.00	82.9	NA	NA	< 0.50	2.2	NA	NA	21.2	NA	NA	NA	7.6	34.1	NA	NA	16.7	NA	NA	< 0.02	1.4	15.7	< 5.00	< 0.50	< 5.00	28.9	101	NA	NA
RSB-32	15	12/24/2020	< 5.00	< 5.00	105	NA	NA	< 0.50	1.2	NA	NA	8.8	NA	NA	NA	7.3	4.8	NA	NA	1.5	NA	NA	< 0.02	< 0.50	5.3	< 5.00	< 0.50	< 5.00	34.1	29.2	NA	NA
RSB-32	20	12/24/2020	< 5.00	< 5.00	138	NA	NA	< 0.50	1.5	NA	NA	7.4	NA	NA	NA	8.5	6.2	NA	NA	1.1	NA	NA	< 0.02	< 0.50	5.9	< 5.00	< 0.50	< 5.00	32.8	39.5	NA	NA
RSB-32	25	12/24/2020	< 5.00	< 5.00	199	NA	NA	< 0.50	2.0	NA	NA	14.0	NA	NA	NA	11.3	14.6	NA	NA	3.9	NA	NA	< 0.02	< 0.50	10.8	< 5.00	< 0.50	< 5.00	46.1	51.6	NA	NA
RSB-32	30	12/24/2020	< 5.00	< 5.00	91.3	NA	NA	< 0.50	1.8	NA	NA	10.3	NA	NA	NA	9.9	6.9	NA	NA	< 0.50	NA	NA	< 0.02	< 0.50	4.5	< 5.00	< 0.50	< 5.00	42.7	47.6	NA	NA
RSB-33	3	12/21/2020	< 5.00	< 5.00	72	NA	NA	< 0.50	1.2	NA	NA	9.7	NA	NA	NA	5.7	7.3	NA	NA	4.6	NA	NA	< 0.02	< 0.50	6.3	< 5.00	< 0.50	< 5.00	24.2	42.2	NA	NA
RSB-33	5	12/21/2020	< 5.00	< 5.00	99.9	NA	NA	< 0.50	1.9	NA	NA	16.8	NA	NA	NA	9.4	15.5	NA	NA	4.8	NA	NA	0.023	< 0.50	10.9	< 5.00	< 0.50	< 5.00	36.5	57.4	NA	NA
RSB-33	10	12/21/2020	< 5.00	< 5.00	72.2	NA	NA	< 0.50	1.2	NA	NA	11.2	NA	NA	NA	5.6	9.2	NA	NA	1.9	NA	NA	< 0.02	< 0.50	6.6	< 5.00	< 0.50	< 5.00	23.9	37.7	NA	NA
RSB-33	15	12/21/2020	< 5.00	< 5.00	60.2	NA	NA	< 0.50	1.1	NA	NA	8.2	NA	NA	NA	5.4	4.9	NA	NA	1.4	NA	NA	< 0.02	< 0.50	5.2	< 5.00	< 0.50	< 5.00	25.3	24.7	NA	NA
RSB-34	1	12/28/2020	< 5.00	< 5.00	134	NA	NA	< 0.50	1.5	NA	NA	46.9	NA	NA	NA	6.5	20.5	NA	NA	5.0	NA	NA	< 0.02	< 0.50	12.7	< 5.00	< 0.50	< 5.00	46.2	77.6	NA	NA
RSB-34	3	1/7/2021	< 5.00	< 5.00	136	NA	NA	< 0.50	1.6	NA	NA	39.4	NA	NA	NA	6.9	13.1	NA	NA	2.2	NA	NA	< 0.02	< 0.50	9.0	< 5.00	< 0.50	< 5.00	65.8	35.2	NA	NA
RSB-34	5	1/7/2021	< 5.00	< 5.00	123	NA	NA	< 0.50	5.6	NA	NA	363	NA	NA	NA	6.2	55.2	NA	NA	121.0	NA	NA	0.032	< 0.50	17.0	< 5.00	< 0.50	< 5.00	48.4	682	NA	NA
RSB-34	10	1/7/2021	< 5.00	< 5.00	235	NA	NA	< 0.50	3.2	NA	NA	267	NA	NA	NA	4.1	37.0	NA	NA	20.0	NA	NA	< 0.02	< 0.50	8.6	< 5.00	< 0.50	< 5.00	52.3	229	NA	NA
RSB-34	15	1/7/2021	< 5.00	< 5.00	68.5	NA	NA	< 0.50	0.9	NA	NA	8.5	NA	NA	NA	5.2	6.8	NA	NA	1.3	NA	NA	< 0.02	< 0.50	5.4	< 5.00	< 0.50	< 5.00	21.4	31.2	NA	NA
RSB-34	20	1/7/2021	< 5.00	< 5.00	45.3	NA	NA	< 0.50	1.1	NA	NA	5.5	NA	NA	NA	3.7	8.1	NA	NA	1.0	NA	NA	< 0.02	< 0.50	3.6	< 5.00	< 0.50	< 5.00	16.0	27.7	NA	NA
RSB-34	25	1/7/2021	< 5.00	< 5.00	125	NA	NA	< 0.50	1.3	NA	NA	9.0	NA	NA	NA	6.9	10.9	NA	NA	1.2	NA	NA	< 0.02	< 0.50	6.5	< 5.00	< 0.50	< 5.00	26.5	38.9	NA	NA
RSB-35	1	12/23/2020	< 5.00	< 5.00	218	NA	NA	< 0.50	1.3	NA	NA	23.2	NA	NA	NA	6.6	12.9	NA	NA	3.0	NA	NA	< 0.02	< 0.50	12.3	< 5.00	< 0.50	< 5.00	37.0	73.4	NA	NA
RSB-35	3	12/23/2020	< 5.00	< 5.00	215	NA	NA	< 0.50	1.4	NA	NA	11.6	NA	NA	NA	6.7	8.6	NA	NA	3.9	NA	NA	< 0.02	< 0.50	7.6	< 5.00	< 0.50	< 5.00	31.9	95.5	NA	NA
RSB-35	5	12/23/2020	< 5.00	< 5.00	250	NA	NA	< 0.50	1.9	NA	NA	23.2	NA	NA	NA	9.4	16.0	NA	NA	4.2	NA	NA	< 0.02	< 0.50	11.8	< 5.00	< 0.50	< 5.00	38.9	113	NA	NA
RSB-35	10	12/23/2020	< 5.00	< 5.00	261	NA	NA	< 0.50	1.7	NA	NA	15.4	NA	NA	NA	8.9	12.8	NA	NA	2.9	NA	NA	< 0.02	< 0.50	10.1	< 5.00	< 0.50	< 5.00	38.6	107	NA	NA
RSB-35	15	12/23/2020	< 5.00	< 5.00	186	NA	NA	< 0.50	0.8	NA	NA	7.4	NA	NA	NA	3.8	4.6	NA	NA	1.2	NA	NA	< 0.02	< 0.50	4.9	< 5.00	< 0.50	< 5.00	19.2	78.0	NA	NA
RSB-35	20	12/23/2020	< 5.00	< 5.00	249	NA	NA	< 0.50	1.5	NA	NA	8.2	NA	NA	NA	6.8	8.5	NA	NA	2.2	NA	NA	< 0.02	< 0.50	5.7	< 5.00	< 0.50	< 5.00	31.1	89.6	NA	NA
RSB-35	25	12/23/2020	< 5.00	< 5.00	243	NA	NA	< 0.50	1.9	NA	NA	13.6	NA	NA	NA	10.0	11.5	NA	NA	3.6	NA	NA	0.030	< 0.50	9.6	< 5.00	< 0.50	< 5.00	45.0	91.1	NA	NA
RSB-36	1	12/23/2020	< 5.00	< 5.00	301	NA	NA	< 0.50	8.1	NA	NA	349	1.760	0.030	NA	6.1	69.4	NA	NA	262.0	0.600	0.100	< 0.02	2.8	17.7	< 5.00	< 0.50	< 5.00	73.7	1,370	NA	NA
RSB-36	3	1/6/2021	< 5.00	< 5.00	389	NA	NA	< 0.50	11.0	NA	NA	1,060	1.660	0.030	NA	6.2	331.0	NA	NA	27.0	NA	NA	0.055	9.9	53.1	< 5.00	< 0.50	< 5.00	232.0	203	NA	NA
RSB-36	5	1/6/2021	< 5.00	< 5.00	96.3	NA	NA	< 0.50	6.5	NA	NA	67.2	NA	NA	NA	5.5	111.0	NA	NA	269.0	< 0.01	< 0.01	< 0.02	< 0.50	23.9	< 5.00	< 0.50	< 5.00	31.6	1,140	NA	NA
RSB-36	10	1/6/2021	< 5.00	< 5.00	81.4	NA	NA	< 0.50	0.9	NA	NA	6.4	NA	NA	NA	4.7	6.5	NA	NA	1.7	NA	NA	< 0.02	< 0.50	3.5	< 5.00	< 0.50	< 5.00	22.3	25.9	NA	NA
RSB-37	1	1/7/2021	< 5.00	< 5.00	354	NA	NA	< 0.50	8.0	NA	NA	127	NA	NA	NA	12.8	418.0	NA	NA	47.3	NA	NA	< 0.02	20.2	126.0	< 5.00	< 0.50	< 5.00	57.7	337	NA	NA
RSB-37	3	1/7/2021	< 5.00	< 5.00	198	NA	NA	< 0.50	1.3	NA	NA	14.2	NA	NA	NA	7.4	12.1	NA	NA	13.5	NA	NA	< 0.02	< 0.50	8.5	< 5.00	< 0.50	< 5.00	29.7	45.4	NA	NA
RSB-37	5	1/7/2021	< 5.00	< 5.00	128	NA	NA	< 0.50	2.1	NA	NA	112	NA	NA	NA	5.1	33.9	NA	NA	2.9	NA	NA	< 0.02	< 0.50	11.2	< 5.00	< 0.50	< 5.00	61.2	37.4	NA	NA
RSB-37	10	1/7/2021	< 5.00	< 5.00	91.4	NA	NA	< 0.50	1.1	NA	NA	12.4	NA	NA	NA	6.2	9.1	NA	NA	1.2	NA	NA	< 0.02	< 0.50	6.9	< 5.00	< 0.50	< 5.00	25.6	35.7	NA	NA
RSB-38	1	12/29/2020	< 5.00	< 5.00	94.9	NA	NA	< 0.50	1.3	NA	NA	12.4	NA	NA	NA	7.5	10.4	NA	NA	2.2	NA	NA	< 0.02	< 0.50	8.3	< 5.00	< 0.50	< 5.00	31.2	40.5	NA	NA
RSB-38	3	12/29/2020	< 5.00	< 5.00	90.2	NA	NA	< 0.50	1.2	NA	NA	11.4	NA	NA	NA	7.2	9.3	NA	NA	2.4	NA	NA	< 0.02	< 0.50	8.0	< 5.00	< 0.50	< 5.00	29.3	39.8	NA	NA
RSB-38	5	12/29/2020	< 5.00	< 5.00	83.4	NA	NA	< 0.50	1.2	NA	NA	11.5	NA	NA	NA	6.7	8.6	NA	NA	1.9	NA	NA	< 0.02	< 0.50	7.4	< 5.00	< 0.50	< 5.00	29.5	37.7	NA	NA
RSB-39	1	1/4/2021	< 5.00	< 5.00	102	NA	NA	< 0.50	1.5	NA	NA	13.8	NA	NA	NA	7.3	11.5	NA	NA	7.3	NA	NA	< 0.02	< 0.50	8.2	< 5.00	< 0.50	< 5.00	33.0	75.7	NA	NA
RSB-39	3	1/4/2021	< 5.00	< 5.00	93.5	NA	NA	< 0.50	1.3	NA	NA	12.6	NA	NA	NA	7.0	10.9	NA	NA	2.4	NA	NA	< 0.02	< 0.50	9.4	< 5.00	< 0.50	< 5.00	28.8	41.6	NA	NA
RSB-39	5	1/4/2021	< 5.00	< 5.00	87.9	NA	NA	< 0.50	1.3	NA	NA	12.6	NA	NA	NA	6.7	11.0	NA	NA	4.7	NA	NA	< 0.02	< 0.50	8.1	< 5.00	< 0.50	< 5.00	27.4	53.0	NA	NA
RSB-40	1	12/29/2020	< 5.00	< 5.00	32.6	NA	NA	< 0.50	< 0.50	NA	NA	7.1	NA	NA	< 0.040	2.5	4.2	NA	NA	1.1	NA	NA	< 0.02	< 0.50	3.5	< 5.00	< 0.50	< 5.00	12.5	18.9	NA	NA
RSB-40	3	12/30/2020	< 5.00	< 5.00	37.4	NA	NA	< 0.50	0.7	NA	NA	16.9	NA	NA	< 0.040	3.0	7.3	NA	NA	2.3	NA	NA	< 0.02	< 0.50	5.9	< 5.00	< 0.50	< 5.00	12.9	27.4	NA	NA
RSB-40	5	12/30/2020	< 5.00	< 5.00	30.9	NA	NA	< 0.50	0.5	NA	NA	6.6	NA	NA	< 0.040	2.7	4.9	NA	NA	1.1	NA	NA	< 0.02	< 0.50	3.4	< 5.00	< 0.50	< 5.00	10.7	18.5	NA	NA
RSB-41	1	12/30/2020	< 5.00	< 5.00	86.4	NA	NA	< 0.50	1.3	NA	NA	11.8	NA	NA	< 0.040	6.3	11.1	NA	NA	3.4	NA	NA	< 0.02	< 0.50	7.5	< 5.00	< 0.50	< 5.00	26.2	39.5	NA	NA
RSB-41	3	12/30/2020	< 5.00	< 5.00	82.2	NA	NA	< 0.50	1.2	NA	NA	11.8	NA	NA	< 0.040	6.3	10.2	NA	NA	1.9	NA	NA	< 0.02	< 0.50	7.4	< 5.00	< 0.50	< 5.00	26.2	37.4	NA	NA
RSB-41	5	12/30/2020	< 5.00	< 5.00	78.6	NA	NA	< 0.50	1.2	NA	NA	10.7	NA	NA	< 0.040	6.2	8.9	NA	NA	1.8	NA	NA	< 0.02	< 0.50	6.8	< 5.00	< 0.50	< 5.00	26.3	36.3	NA	NA
RSB-42	1	12/30/2020	< 5.00	< 5.00	110	NA	NA	< 0.50	5.3	NA	NA	160	NA	NA	< 0.040	8.4	230.0	NA	NA	35.7	NA	NA	0.022	5.5	32.1	< 5.00	< 0.50	< 5.00	41.5	230	NA	NA

Table 3. Summary of Metals in Soil
12459-B Arrow Route
Rancho Cucamonga, California

			Detected Metals using USEPA 6010B/7471A (mg/kg)																											
Sample ID	Depth (feet bgs)	Sample Date	Antimony	Arsenic	Barium	Barium STLC (mg/l)	Barium TCLP (mg/l)	Beryllium	Cadmium	Cadmium STLC (mg/l)	Cadmium TCLP (mg/l)	Chromium (total)	Chromium (total) STLC (mg/l)	Chromium (total) TCLP (mg/l)	Hexavalent Chromium	Cobalt	Copper	Copper STLC (mg/l)	Copper TCLP (mg/l)	Lead	Lead STLC (mg/l)	Lead TCLP (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Zinc STLC (mg/l)	Zinc TCLP (mg/l)
RSB-43	5	12/23/2020	< 5.00	< 5.00	265	NA	NA	< 0.50	1.7	NA	NA	16.8	NA	NA	NA	8.6	15.3	NA	NA	3.2	NA	NA	< 0.02	< 0.50	10.8	< 5.00	< 0.50	< 5.00	37.3	112	NA	NA
RSB-43	10	12/23/2020	< 5.00	< 5.00	199	NA	NA	< 0.50	0.9	NA	NA	10.8	NA	NA	NA	4.6	6.9	NA	NA	1.5	NA	NA	< 0.02	< 0.50	6.1	< 5.00	< 0.50	< 5.00	23.1	82.1	NA	NA
RSB-43	15	12/23/2020	< 5.00	< 5.00	168	NA	NA	< 0.50	0.7	NA	NA	6.0	NA	NA	NA	3.8	4.2	NA	NA	1.0	NA	NA	< 0.02	< 0.50	3.7	< 5.00	< 0.50	< 5.00	16.8	72.6	NA	NA
RSB-44	1	12/21/2020	< 5.00	< 5.00	87.4	NA	NA	< 0.50	2.8	NA	NA	73.6	NA	NA	NA	6.5	29.6	NA	NA	40.2	NA	NA	0.021	0.8	12.2	< 5.00	< 0.50	< 5.00	36.8	323	NA	NA
RSB-44	3	12/21/2020	< 5.00	< 5.00	118	NA	NA	< 0.50	1.6	NA	NA	10.8	NA	NA	NA	8.0	8.6	NA	NA	2.2	NA	NA	< 0.02	< 0.50	7.0	< 5.00	< 0.50	< 5.00	33.8	38.2	NA	NA
RSB-44	5	12/21/2020	< 5.00	< 5.00	99.4	NA	NA	< 0.50	1.6	NA	NA	15.5	NA	NA	NA	8.1	14.2	NA	NA	2.9	NA	NA	< 0.02	< 0.50	10.7	< 5.00	< 0.50	< 5.00	33.1	45.1	NA	NA
RSB-44	10	12/21/2020	< 5.00	< 5.00	104	NA	NA	< 0.50	1.7	NA	NA	15.5	NA	NA	NA	8.4	14.4	NA	NA	3.3	NA	NA	< 0.02	< 0.50	10.6	< 5.00	< 0.50	< 5.00	34.4	50.0	NA	NA
RSB-44	15	12/21/2020	< 5.00	< 5.00	66.1	NA	NA	< 0.50	1.0	NA	NA	14.3	NA	NA	NA	5.2	6.1	NA	NA	1.2	NA	NA	< 0.02	2.8	5.7	< 5.00	< 0.50	< 5.00	22.7	27.3	NA	NA
RSB-45	1	12/29/2020	< 5.00	< 5.00	89.2	NA	NA	< 0.50	1.5	NA	NA	14.0	NA	NA	< 0.040	7.7	18.0	NA	NA	4.8	NA	NA	< 0.02	1.4	11.5	< 5.00	< 0.50	< 5.00	26.9	47.8	NA	NA
RSB-45	3	12/29/2020	< 5.00	< 5.00	127	NA	NA	< 0.50	1.3	NA	NA	23.8	NA	NA	< 0.040	7.6	14.1	NA	NA	3.2	NA	NA	< 0.02	< 0.50	14.1	< 5.00	< 0.50	< 5.00	39.0	34.9	NA	NA
RSB-45	5	12/29/2020	< 5.00	< 5.00	105	NA	NA	< 0.50	1.6	NA	NA	17.6	NA	NA	< 0.040	9.1	16.0	NA	NA	3.3	NA	NA	< 0.02	< 0.50	12.0	< 5.00	< 0.50	< 5.00	37.1	50.4	NA	NA
RSB-46	1	12/18/2020	< 5.00	< 5.00	107	NA	NA	< 0.50	2.8	NA	NA	65.3	NA	NA	NA	7.2	54.1	NA	NA	32.7	NA	NA	0.062	1.6	22.3	< 5.00	< 0.50	< 5.00	37.2	232	NA	NA
RSB-46	3	12/18/2020	< 5.00	< 5.00	143	NA	NA	< 0.50	6.3	NA	NA	156	2.990	0.020	NA	11.2	157.0	NA	NA	58.6	NA	NA	0.051	8.1	52.9	< 5.00	< 0.50	< 5.00	45.2	463	NA	NA
RSB-46-Stepout	1	1/5/2021	< 5.00	< 5.00	119	NA	NA	< 0.50	1.8	NA	NA	15.0	NA	NA	NA	9.2	13.6	NA	NA	4.8	NA	NA	< 0.02	< 0.50	9.7	< 5.00	< 0.50	< 5.00	38.5	59.1	NA	NA
RSB-46-Stepout	3	1/5/2021	< 5.00	< 5.00	120	NA	NA	< 0.50	1.8	NA	NA	15.8	NA	NA	NA	9.4	13.4	NA	NA	3.0	NA	NA	< 0.02	< 0.50	10.3	< 5.00	< 0.50	< 5.00	38.9	53.2	NA	NA
RSB-46-Stepout	5	1/5/2021	< 5.00	< 5.00	104	NA	NA	< 0.50	1.5	NA	NA	16.4	NA	NA	NA	8.2	14.0	NA	NA	3.3	NA	NA	< 0.02	< 0.50	10.3	< 5.00	< 0.50	< 5.00	34.0	47.4	NA	NA
RSB-47-Stepout	1	1/5/2021	< 5.00	< 5.00	98.9	NA	NA	< 0.50	2.0	NA	NA	15.5	NA	NA	NA	9.5	28.4	NA	NA	9.7	NA	NA	< 0.02	< 0.50	13.1	< 5.00	< 0.50	< 5.00	34.5	88.0	NA	NA
RSB-47-Stepout	3	1/5/2021	< 5.00	< 5.00	136	NA	NA	< 0.50	2.0	NA	NA	17.7	NA	NA	NA	10.2	16.5	NA	NA	3.4	NA	NA	< 0.02	< 0.50	11.4	< 5.00	< 0.50	< 5.00	43.8	59.6	NA	NA
RSB-47-Stepout	5	1/5/2021	< 5.00	< 5.00	103	NA	NA	< 0.50	1.6	NA	NA	15.5	NA	NA	NA	8.6	15.0	NA	NA	3.2	NA	NA	< 0.02	< 0.50	10.4	< 5.00	< 0.50	< 5.00	34.8	48.9	NA	NA
RSB-48	1	12/28/2020	< 5.00	< 5.00	102	NA	NA	< 0.50	1.5	NA	NA	17.6	NA	NA	NA	8.8	14.6	NA	NA	3.3	NA	NA	< 0.02	< 0.50	9.0	< 5.00	< 0.50	< 5.00	31.6	45.7	NA	NA
RSB-48	3	12/28/2020	< 5.00	< 5.00	90.2	NA	NA	< 0.50	1.3	NA	NA	12.2	NA	NA	NA	6.9	11.8	NA	NA	2.3	NA	NA	< 0.02	< 0.50	8.1	< 5.00	< 0.50	< 5.00	28.3	40.0	NA	NA
RSB-48	5	12/28/2020	< 5.00	< 5.00	85.6	NA	NA	< 0.50	1.2	NA	NA	11.2	NA	NA	NA	6.5	10.1	NA	NA	1.7	NA	NA	< 0.02	< 0.50	7.4	< 5.00	< 0.50	< 5.00	25.8	34.2	NA	NA
RSB-49	1	12/28/2020	< 5.00	< 5.00	96	NA	NA	< 0.50	1.5	NA	NA	14.0	NA	NA	NA	7.7	15.9	NA	NA	4.2	NA	NA	< 0.02	< 0.50	9.1	< 5.00	< 0.50	< 5.00	31.0	48.8	NA	NA
RSB-49	3	12/28/2020	< 5.00	< 5.00	89.6	NA	NA	< 0.50	1.4	NA	NA	12.6	NA	NA	NA	7.3	12.6	NA	NA	2.8	NA	NA	< 0.02	< 0.50	8.3	< 5.00	< 0.50	< 5.00	30.1	42.3	NA	NA
RSB-49	5	12/28/2020	< 5.00	< 5.00	99.8	NA	NA	< 0.50	1.5	NA	NA	13.8	NA	NA	NA	8.0	11.8	NA	NA	2.2	NA	NA	< 0.02	< 0.50	8.8	< 5.00	< 0.50	< 5.00	34.7	40.3	NA	NA
RSB-50	1	12/29/2020	< 5.00	< 5.00	83.6	NA	NA	< 0.50	1.1	NA	NA	10.0	NA	NA	NA	6.2	9.1	NA	NA	2.1	NA	NA	< 0.02	< 0.50	7.1	< 5.00	< 0.50	< 5.00	25.3	37.7	NA	NA
RSB-50	3	12/29/2020	< 5.00	< 5.00	103	NA	NA	< 0.50	1.6	NA	NA	14.8	NA	NA	NA	8.9	13.7	NA	NA	3.3	NA	NA	< 0.02	< 0.50	10.4	< 5.00	< 0.50	< 5.00	34.0	50.9	NA	NA
RSB-50	5	12/29/2020	< 5.00	< 5.00	94.1	NA	NA	< 0.50	1.3	NA	NA	13.3	NA	NA	NA	7.6	11.4	NA	NA	2.0	NA	NA	< 0.02	< 0.50	8.7	< 5.00	< 0.50	< 5.00	30.8	41.6	NA	NA
RSB-51	1	12/28/2020	< 5.00	< 5.00	83.5	NA	NA	< 0.50	2.4	NA	NA	16.3	NA	NA	NA	7.0	81.7	NA	NA	4.5	NA	NA	0.021	0.5	11.3	< 5.00	< 0.50	< 5.00	29.2	54.1	NA	NA
RSB-51	3	12/28/2020	< 5.00	< 5.00	76.8	NA	NA	< 0.50	1.2	NA	NA	13.3	NA	NA	NA	6.5	11.8	NA	NA	3.3	NA	NA	< 0.02	< 0.50	8.4	< 5.00	< 0.50	< 5.00	28.5	40.3	NA	NA
RSB-51	5	12/28/2020	< 5.00	< 5.00	80.5	NA	NA	< 0.50	1.4	NA	NA	16.4	NA	NA	NA	6.9	15.2	NA	NA	7.6	NA	NA	< 0.02	< 0.50	10.3	< 5.00	< 0.50	< 5.00	29.8	53.9	NA	NA
RSB-52	1	12/30/2020	< 5.00	< 5.00	74.1	NA	NA	< 0.50	1.3	NA	NA	11.9	NA	NA	NA	6.1	12.0	NA	NA	2.3	NA	NA	< 0.02	< 0.50	7.4	< 5.00	< 0.50	< 5.00	25.2	37.0	NA	NA
RSB-52	3	12/30/2020	< 5.00	< 5.00	66.9	NA	NA	< 0.50	1.2	NA	NA	11.6	NA	NA	NA	5.8	8.9	NA	NA	1.6	NA	NA	< 0.02	< 0.50	6.6	< 5.00	< 0.50	< 5.00	24.8	32.8	NA	NA
RSB-52	5	12/30/2020	< 5.00	< 5.00	63.8	NA	NA	< 0.50	1.2	NA	NA	11.0	NA	NA	NA	5.8	8.6	NA	NA	2.1	NA	NA	< 0.02	< 0.50	7.0	< 5.00	< 0.50	< 5.00	25.1	34.5	NA	NA
RSB-53	1	12/30/2020	< 5.00	< 5.00	77.7	NA	NA	< 0.50	1.2	NA	NA	10.4	NA	NA	NA	6.0	8.4	NA	NA	1.8	NA	NA	< 0.02	< 0.50	6.9	< 5.00	< 0.50	< 5.00	25.5	36.0	NA	NA
RSB-53	3	12/30/2020	< 5.00	< 5.00	69.4	NA	NA	< 0.50	1.2	NA	NA	9.6	NA	NA	NA	5.8	7.8	NA	NA	1.6	NA	NA	< 0.02	< 0.50	6.2	< 5.00	< 0.50	< 5.00	25.1	33.2	NA	NA
RSB-53	5	12/30/2020	< 5.00	< 5.00	64.6	NA	NA	< 0.50	1.2	NA	NA	9.2	NA	NA	NA	5.4	8.2	NA	NA	1.6	NA	NA	< 0.02	< 0.50	6.2	< 5.00	< 0.50	< 5.00	23.9	31.3	NA	NA
RSB-54	1	12/30/2020	< 5.00	< 5.00	153	NA	NA	< 0.50	2.1	NA	NA	14.9	NA	NA	NA	10.3	14.8	NA	NA	2.8	NA	NA	< 0.02	< 0.50	10.3	< 5.00	< 0.50	< 5.00	41.6	56.9	NA	NA
RSB-54	3	12/30/2020	< 5.00	< 5.00	79.2	NA	NA	< 0.50	1.3	NA	NA	10.8	NA	NA	NA	6.6	9.5	NA	NA	1.9	NA	NA	< 0.02	< 0.50	7.3	< 5.00	< 0.50	< 5.00	27.5	34.4	NA	NA
RSB-54	5	12/30/2020	< 5.00	< 5.00	90.6	NA	NA	< 0.50	1.5	NA	NA	12.0	NA	NA	NA	7.4	10.0	NA	NA	2.5	NA	NA	< 0.02	< 0.50	8.4	< 5.00	< 0.50	< 5.00	31.5	39.8	NA	NA
RSB-55	3	12/31/2020	< 5.00	< 5.00	80.9	NA	NA	< 0.50	1.2	NA	NA	9.6	NA	NA	NA	6.5	8.3	NA	NA	1.6	NA	NA	< 0.02	< 0.50	6.4	< 5.00	< 0.50	< 5.00	27.7	34.5	NA	NA
RSB-55	5	12/31/2020	< 5.00	< 5.00	89.7	NA	NA	< 0.50	1.4	NA	NA	11.9	NA	NA	NA	7.0	10.4	NA	NA	2.7	NA	NA	< 0.02	< 0.50	7.8	< 5.00	< 0.50	< 5.00	30.0	41.6	NA	NA
RSB-56	1	12/31/2020	< 5.00	< 5.00	90.1	NA	NA	< 0.50	2.0	NA	NA	20.9	NA	NA	NA	7.6	40.1	NA	NA	8.8	NA	NA	< 0.02	1.6	15.1	< 5.00	< 0.50	< 5.00	27.6	67.3	NA	NA
RSB-56	3	12/31/2020	< 5.00	< 5.00	86.1	NA	NA	< 0.50	1.3	NA	NA	11.0	NA	NA	NA	7.7	11.2	NA	NA	5.2	NA	NA	< 0.02	< 0.50	7.3	< 5.00	< 0.50	< 5.00	28.8	42.8	NA	NA
RSB-56	5	12/31/2020	< 5.00	< 5.00	80.7	NA	NA	< 0.50	1.2	NA	NA	11.2	NA	NA	NA	6.5	10.0	NA	NA	2.1	NA	NA	< 0.02	< 0.50	7.2	< 5.00	< 0.50	< 5.00	26.8	36.6	NA	NA
RSB-57	1	12/31/2020	< 5.00	< 5.00	297	NA	NA	< 0.50	22.1	NA	NA	203	NA	NA	NA	24.3	486.0	NA	NA	**918**	NA	NA	0.696	15.1	94.4	< 5.00	< 0.50	< 5.00	33.6	2310	NA	NA
RSB-57-E	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-S	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**775**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-W	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**692**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-N	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57	3	1/7/2021	< 5.00	< 5.00	324	NA	NA	< 0.50	10.8	NA	NA	60.4	NA	NA	NA	10.4	204.0	NA	NA	**401**	NA	NA	0.085	< 0.50	66.7	< 5.00	< 0.50	< 5.00	23.9	960	NA	NA
RSB-57-E	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-S	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-W	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-N	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57	5	1/7/2021	< 5.00	< 5.00	80.5	NA	NA	< 0.50	1.2	NA	NA	10.4	NA	NA	NA	6.4	9.7	NA	NA	5.6	NA	NA	< 0.02	< 0.50	7.7	< 5.00	< 0.50	< 5.00	26.2	53.5	NA	NA
RSB-57-E	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-S	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-W	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-N	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSB-58	1	12/16/2020	< 5.00	< 5.00	130	NA	NA	< 0.50	1.4	NA	NA	22.2	NA	NA	NA	7.6	13.3	NA	NA	3.5	NA	NA	< 0.02	< 0.50	12.4	< 5.00	< 0.50	< 5.00	40.1	35.5	NA	NA
RSB-58	3	12/16/2020	< 5.00	< 5.00	153	NA	NA	< 0.50	1.5	NA	NA	26.1	NA	NA	NA	8.0	15.2	NA	NA	4.1	NA	NA	< 0.02	< 0.50	14.0	< 5.00	< 0.50	< 5.00	46.0	35.4	NA	NA
RSB-58	5	12/16/2020	< 5.00	< 5.00	107	NA	NA	< 0.50	1.6	NA	NA	14.7	NA	NA	NA	8.6	12.0	NA	NA	3.0	NA	NA	< 0.02	< 0.50	10.0	< 5.00	< 0.50	< 5.00	36.5	44.6	NA	NA
RSB-59	1	12/24/2020	< 5.00	< 5.00	128	NA	NA	< 0.50	1.7	NA	NA	60.0	NA	NA	NA	8.4	21.6	NA	NA	8.9	NA	NA	< 0.02	1.0	13.1	< 5.00	< 0.50	< 5.00	38.3	57.6	NA	NA
RSB-59	3	12/24/2020	< 5.00	< 5.00	127	NA	NA	< 0.50	1.3	NA	NA	23.8	NA	NA	NA	7.5	14.3	NA	NA	2.9	NA	NA	< 0.02	< 0.50	14.1	< 5.00	< 0.50	< 5.00	39.1	35.1	NA	NA
RSB-59	5	1/6/2021	< 5.00	< 5.00	99.4	NA	NA	< 0.50	1.6	NA	NA	16.0	NA	NA	NA	7.8	13.2	NA	NA	2.9	NA	NA	< 0.02	< 0.50	9.6	< 5.00	< 0.50	< 5.00	35.9	45.0	NA	NA
RSB-59	10	1/6/2021	< 5.00	< 5.00	108	NA	NA	< 0.50	1.6	NA	NA	15.3	NA	NA	NA	8.6	13.0	NA	NA	3.0	NA	NA	< 0.02	< 0.50	12.6	< 5.00	< 0.50	< 5.00	34.9	45.7	NA	NA
RSB-59	15	1/6/2021	< 5.00	< 5.00	87.4	NA	NA	< 0.50	1.7	NA	NA	13.0	NA	NA	NA	9.2	8.7	NA	NA	3.8	NA	NA	< 0.02	< 0.50	7.0	< 5.00	< 0.50	< 5.00	34.7	40.7	NA	NA
RSB-60	1	12/28/2020	< 5.00	< 5.00	83.4	NA	NA	< 0.50	3.6	NA	NA	19.6	NA	NA	NA	7.4	32.7	NA	NA	48.1	NA	NA	0.041	< 0.50	10.4	< 5.00	< 0.50	< 5.00	29.9	229	NA	NA
RSB-60	3	12/28/2020	< 5.00	< 5.00	80.8	NA	NA	< 0.50	1.5	NA	NA	12.1	NA	NA	NA	6.6	12.2	NA	NA	3.0	NA	NA	< 0.02	< 0.50	7.7	< 5.00	< 0.50	< 5.00	28.9	39.9	NA	NA
RSB-60	5	12/28/2020	< 5.00	< 5.00	81.8	NA	NA	< 0.50	3.6	NA	NA	25.4	NA	NA	NA	7.0	35.9	NA	NA	58.8	NA	NA	0.026	0.7	12.6	< 5.00	< 0.50	< 5.00	28.0	264	NA	NA
RSB-61	1	12/15/2020	< 5.00	< 5.00	109.0	NA	NA	< 0.50	1.2	NA	NA	19.5	NA	NA	NA	7.0	11.8	NA	NA	3.5	NA	NA	< 0.02	< 0.50	11.4	< 5.00	< 0.50	< 5.00	32.7	30.4	NA	NA
RSB-61	3	12/15/2020	< 5.00	< 5.00	74.7	NA	NA	< 0.50	1.6	NA	NA	14.1	NA	NA	NA	6.9	11.3	NA	NA	17.9	NA	NA	< 0.02	< 0.50	12.0	< 5.00	< 0.50	< 5.00	33.6	67	NA	NA
RSB-61	5	12/15/2020	< 5.00	< 5.00	88.7	NA	NA	< 0.50	1.6	NA	NA	13.1	NA	NA	NA	7.6	9.8	NA	NA	3.2	NA	NA	< 0.02	< 0.50	8.7	< 5.00	< 0.50	< 5.00	34.5	40.3	NA	NA
RSB-62	1	12/30/2020	< 5.00	< 5.00	76.3	NA	NA	< 0.50	1.7	NA	NA	18.8	NA	NA	< 0.040	6.7	19.9	NA	NA	8.2	NA	NA	< 0.02	< 0.50	9.6	< 5.00	< 0.50	< 5.00	29.6	68.4	NA	NA
RSB-62	3	12/30/2020	< 5.00	< 5.00	115	NA	NA	< 0.50	2.9	NA	NA	30.2	NA	NA	< 0.040	9.5	27.9	NA	NA	13.2	NA	NA	< 0.02	1.8	11.5	< 5.00	< 0.50	< 5.00	48.6	135	NA	NA
RSB-62	5	12/30/2020	< 5.00	< 5.00	106	NA	NA	< 0.50	1.8	NA	NA	16.5	NA	NA	< 0.040	8.9	16.5	NA	NA	3.3	NA	NA	< 0.02	< 0.50	10.9	< 5.00	< 0.50	< 5.00	36.6	51.1	NA	NA
RSB-63	1	12/29/2020	< 5.00	< 5.00	138	NA	NA	< 0.50	1.9	NA	NA	18.2	NA	NA	NA	10.1	15.4	NA	NA	3.5	NA	NA	< 0.02	< 0.50	10.8	< 5.00	< 0.50	< 5.00	40.9	59.2	NA	NA
RSB-63	3	12/29/2020	< 5.00	< 5.00	98.9	NA	NA	< 0.50	1.4	NA	NA	13.0	NA	NA	NA	7.9	12.2	NA	NA	2.6	NA	NA	< 0.02	< 0.50	9.2	< 5.00	< 0.50	< 5.00	30.9	44.4	NA	NA
RSB-63	5	12/29/2020	< 5.00	< 5.00	78.8	NA	NA	< 0.50	1.1	NA	NA	11.5	NA	NA	NA	6.5	8.7	NA	NA	1.9	NA	NA	< 0.02	< 0.50	7.5	< 5.00	< 0.50	< 5.00	27.3	36.3	NA	NA
RSB-64	3	1/4/2021	< 5.00	< 5.00	68.7	NA	NA	< 0.50	1.2	NA	NA	10.9	NA	NA	NA	6.2	11.0	NA	NA	2.9	NA	NA	< 0.02	< 0.50	7.6	< 5.00	< 0.50	< 5.00	26.0	40.9	NA	NA
RSB-64	5	1/4/2021	< 5.00	< 5.00	49.6	NA	NA	< 0.50	0.9	NA	NA	7.4	NA	NA	NA	4.4	7.9	NA	NA	1.8	NA	NA	< 0.02	< 0.50	5.6	< 5.00	< 0.50	< 5.00	19.2	34.2	NA	NA
RSB-64	10	1/4/2021	< 5.00	< 5.00	96.2	NA	NA	< 0.50	1.4	NA	NA	9.7	NA	NA	NA	7.6	7.6	NA	NA	2.5	NA	NA	< 0.02	< 0.50	6.5	< 5.00	< 0.50	< 5.00	31.8	39.1	NA	NA
RSB-64	15	1/4/2021	< 5.00	< 5.00	114	NA	NA	< 0.50	1.6	NA	NA	10.2	NA	NA	NA	9.0	8.4	NA	NA	2.1	NA	NA	< 0.02	< 0.50	7.0	< 5.00	< 0.50	< 5.00	34.9	41.0	NA	NA
RSB-65	1	12/29/2020	< 5.00	< 5.00	115	NA	NA	< 0.50	1.7	NA	NA	15.1	NA	NA	NA	9.2	12.9	NA	NA	3.8	NA	NA	< 0.02	< 0.50	9.9	< 5.00	< 0.50	< 5.00	37.4	54.4	NA	NA
RSB-65	3	12/29/2020	< 5.00	< 5.00	118	NA	NA	< 0.50	1.8	NA	NA	16.1	NA	NA	NA	9.9	15.2	NA	NA	3.7	NA	NA	< 0.02	< 0.50	11.2	< 5.00	< 0.50	< 5.00	38.2	56.4	NA	NA
RSB-65	5	12/29/2020	< 5.00	< 5.00	97.4	NA	NA	< 0.50	1.4	NA	NA	13.7	NA	NA	NA	8.1	12.8	NA	NA	2.8	NA	NA	< 0.02	< 0.50	9.4	< 5.00	< 0.50	< 5.00	31.5	46.1	NA	NA
RSB-66	2	1/6/2021	< 5.00	< 5.00	424	NA	NA	< 0.50	9.5	NA	NA	2,460	2.150	0.010	NA	5.5	163.0	NA	NA	8.8	NA	NA	< 0.02	12.0	32.0	< 5.00	< 0.50	< 5.00	305.0	77.5	NA	NA
RSB-66	3	1/6/2021	< 5.00	< 5.00	1240	2.890	0.140	< 0.50	6.2	NA	NA	199	NA	NA	NA	2.1	131.0	NA	NA	3.2	NA	NA	< 0.02	< 0.50	13.6	< 5.00	< 0.50	< 5.00	228.0	18.3	NA	NA
RSB-66	5	1/6/2021	< 5.00	< 5.00	63.4	NA	NA	< 0.50	0.9	NA	NA	10.5	NA	NA	NA	4.9	11.3	NA	NA	1.7	NA	NA	< 0.02	< 0.50	5.4	< 5.00	< 0.50	< 5.00	21.2	32.5	NA	NA
RSB-66	10	1/6/2021	< 5.00	< 5.00	96.9	NA	NA	< 0.50	1.4	NA	NA	12.8	NA	NA	NA	7.4	14.7	NA	NA	2.0	NA	NA	< 0.02	< 0.50	8.5	< 5.00	< 0.50	< 5.00	29.9	40.8	NA	NA
RSB-66	15	1/6/2021	< 5.00	< 5.00	86.8	NA	NA	< 0.50	1.2	NA	NA	10.0	NA	NA	NA	6.4	11.2	NA	NA	1.8	NA	NA	< 0.02	< 0.50	7.1	< 5.00	< 0.50	< 5.00	26.2	37.0	NA	NA
RSB-66	20	1/6/2021	< 5.00	< 5.00	73.8	NA	NA	< 0.50	1.3	NA	NA	9.1	NA	NA	NA	6.7	7.8	NA	NA	1.8	NA	NA	< 0.02	< 0.50	5.4	< 5.00	< 0.50	< 5.00	29.0	29.2	NA	NA
RSB-66	25	1/6/2021	< 5.00	< 5.00	86.6	NA	NA	< 0.50	1.4	NA	NA	9.1	NA	NA	NA	6.4	9.0	NA	NA	2.4	NA	NA	< 0.02	< 0.50	6.1	< 5.00	< 0.50	< 5.00	30.3	31.6	NA	NA
RSB-67	1	1/6/2021	< 5.00	< 5.00	292	NA	NA	< 0.50	13.2	0.030	NA	1,760	2.860	0.020	NA	10.2	374.0	NA	NA	60.9	NA	NA	0.035	23

Table 3. Summary of Metals in Soil
12459-B Arrow Route
Rancho Cucamonga, California

Sample ID	Depth (feet bgs)	Sample Date	Detected Metals using USEPA 6010B/7471A (mg/kg)																													
			Antimony	Arsenic	Barium	Barium STLC (mg/l)	Barium TCLP (mg/l)	Beryllium	Cadmium	Cadmium STLC (mg/l)	Cadmium TCLP (mg/l)	Chromium (total)	Chromium (total) STLC (mg/l)	Chromium (total) TCLP (mg/l)	Hexavalent Chromium	Cobalt	Copper	Copper STLC (mg/l)	Copper TCLP (mg/l)	Lead	Lead STLC (mg/l)	Lead TCLP (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Zinc STLC (mg/l)	Zinc TCLP (mg/l)
RSB-67	5	1/6/2021	< 5.00	< 5.00	53.1	NA	NA	< 0.50	1.2	NA	NA	8.6	NA	NA	NA	5.0	9.1	NA	NA	6.7	NA	NA	< 0.02	< 0.50	7.3	< 5.00	< 0.50	< 5.00	20.7	47.2	NA	NA
RSB-67	10	1/6/2021	< 5.00	< 5.00	100	NA	NA	< 0.50	1.5	NA	NA	12.0	NA	NA	NA	7.3	13.6	NA	NA	1.8	NA	NA	< 0.02	< 0.50	8.0	< 5.00	< 0.50	< 5.00	28.6	41.0	NA	NA
RSB-67	15	1/6/2021	< 5.00	< 5.00	81.1	NA	NA	< 0.50	1.2	NA	NA	9.4	NA	NA	NA	5.6	10.3	NA	NA	1.7	NA	NA	< 0.02	< 0.50	6.4	< 5.00	< 0.50	< 5.00	22.4	34.2	NA	NA
RSB-67	20	1/6/2021	< 5.00	< 5.00	52.3	NA	NA	< 0.50	0.9	NA	NA	4.8	NA	NA	NA	4.2	5.4	NA	NA	1.3	NA	NA	< 0.02	< 0.50	3.8	< 5.00	< 0.50	< 5.00	16.0	25.5	NA	NA
RSB-67	25	1/6/2021	< 5.00	< 5.00	73.9	NA	NA	< 0.50	1.5	NA	NA	1.4	NA	NA	NA	4.9	3.7	NA	NA	1.0	NA	NA	< 0.02	< 0.50	1.0	< 5.00	< 0.50	< 5.00	20.0	46.8	NA	NA
RSB-68	1	12/22/2020	< 5.00	< 5.00	75.9	NA	NA	< 0.50	11.8	NA	NA	108	NA	NA	< 0.040	26.3	344.0	NA	NA	46.7	NA	NA	0.030	14.7	82.9	< 5.00	< 0.50	< 5.00	22.4	156	NA	NA
RSB-68	3	12/22/2020	< 5.00	< 5.00	130	NA	NA	< 0.50	2.1	NA	NA	18.0	NA	NA	NA	9.2	13.2	NA	NA	2.6	NA	NA	< 0.02	< 1.00	10.0	< 5.00	< 0.50	< 5.00	43.2	53.1	NA	NA
RSB-68	5	12/22/2020	< 5.00	< 5.00	87.9	NA	NA	< 0.50	1.6	NA	NA	13.6	NA	NA	NA	7.2	10.2	NA	NA	2.1	NA	NA	< 0.02	< 1.00	8.7	< 5.00	< 0.50	< 5.00	31.3	41.3	NA	NA
RSB-68	10	12/22/2020	< 5.00	< 5.00	87.9	NA	NA	< 0.50	1.6	NA	NA	12.1	NA	NA	NA	7.2	7.8	NA	NA	1.9	NA	NA	< 0.02	< 1.00	7.3	< 5.00	< 0.50	< 5.00	36.8	35.6	NA	NA
RSB-68	15	12/22/2020	< 5.00	< 5.00	107	NA	NA	< 0.50	1.8	NA	NA	12.4	NA	NA	NA	7.8	9.0	NA	NA	1.8	NA	NA	< 0.02	< 1.00	8.2	< 5.00	< 0.50	< 5.00	35.8	40.9	NA	NA
RSB-68	20	12/22/2020	< 5.00	< 5.00	215	NA	NA	< 0.50	2.2	NA	NA	15.3	NA	NA	NA	10.9	14.3	NA	NA	2.6	NA	NA	< 0.02	< 1.00	15.4	< 5.00	< 0.50	< 5.00	46.7	52.8	NA	NA
RSB-68	25	12/22/2020	< 5.00	< 5.00	105	NA	NA	< 0.50	1.4	NA	NA	9.8	NA	NA	NA	6.8	6.8	NA	NA	1.7	NA	NA	< 0.02	< 1.00	6.6	< 5.00	< 0.50	< 5.00	34.1	38.6	NA	NA
RSB-69	1	12/21/2020	< 5.00	< 5.00	111	NA	NA	< 0.50	1.7	NA	NA	13.8	NA	NA	NA	8.3	12.0	NA	NA	2.3	NA	NA	< 0.02	< 0.50	9.2	< 5.00	< 0.50	< 5.00	35.5	46.4	NA	NA
RSB-69	3	12/21/2020	< 5.00	< 5.00	97.2	NA	NA	< 0.50	1.5	NA	NA	13.5	NA	NA	NA	7.6	9.8	NA	NA	2.0	NA	NA	< 0.02	< 0.50	9.4	< 5.00	< 0.50	< 5.00	31.5	43.2	NA	NA
RSB-69	5	12/21/2020	< 5.00	< 5.00	77.7	NA	NA	< 0.50	1.2	NA	NA	10.0	NA	NA	NA	6.1	8.4	NA	NA	1.9	NA	NA	< 0.02	< 0.50	7.0	< 5.00	< 0.50	< 5.00	24.4	36.4	NA	NA
RSB-69	10	12/21/2020	< 5.00	< 5.00	79.9	NA	NA	< 0.50	1.2	NA	NA	10.5	NA	NA	NA	6.4	8.9	NA	NA	1.7	NA	NA	< 0.02	< 0.50	7.2	< 5.00	< 0.50	< 5.00	26.9	34.5	NA	NA
RSB-69	15	12/21/2020	< 5.00	< 5.00	108	NA	NA	< 0.50	1.5	NA	NA	10.5	NA	NA	NA	7.5	6.3	NA	NA	2.0	NA	NA	< 0.02	< 0.50	7.3	< 5.00	< 0.50	< 5.00	35.8	34.6	NA	NA
Regulatory Screening Criteria																																
USEPA RSL/DTSC HERO Note 3 Commercial Screening Level*			**470**	**0.36[a]**	**220,000**	**N/A**	**N/A**	**230**	**780**	**N/A**	**N/A**	**1,800,000**	**N/A**	**N/A**	**6.2**	**350**	**47,000**	**N/A**	**N/A**	**320**	**N/A**	**N/A**	**4.4**	**5,800**	**11,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**	**N/A**	**N/A**
TTLC/STLC/TCLP			*500*	*500*	*10,000[b]*	*100*	*100*	*75*	*100*	*1*	*1*	*2,500*	*5*	*5*	*500*	*8,000*	*2,500*	*25*	*NE*	*1,000*	*5*	*5*	*20*	*3,500*	*2,000*	*100*	*500*	*700*	*2,400*	*5,000*	*250*	*NE*

Notes
Bold indicates concentration above the respective USEPA/DTSC Screening Level
Italics & blue highlight indicates concentration above the respective TTLC limit
* - the most conservative screening level was used for comparison
[a] - Arsenic occurs naturally in soil. An evaluation by the Department of Toxic Substances Control of arsenic soil from school sites in Southern California found arsenic concentrations ranging from 0.15 mg/kg to 20 mg/kg, with an upper-bound background arsenic concentration of 12 mg/kg (G. Chernoff, W. Bosan, D. Oudiz, 2008, entitled - Determination of a Southern California Regional Background Arsenic Concentration in Soil). Arsenic concentrations in soil samples collected at the site were conservatively screened
[b] - Excluding barium sulfate
Only compounds reported above the laboratory reporting limit in at least one sample are shown.
< X - Not Reported above laboratory reporting limit (X)
bgs - below ground surface
DTSC - California Department of Toxic Substances Control
DTSC HERO HHRA Note 3 - DTSC Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs). Dated June 2020.
ID - Identification
mg/kg - milligram per kilogram
mg/l - milligram per liter
N/A - not applicable
NA - not analyzed
NE - not established
STLC - Soluble Threshold Limit Concentration
TCLP - Toxicity Characteristic Leaching Procedure
TTLC - Total Threshold Limit Concentration
USEPA - United States Environmental Protection Agency
USEPA RSL - United States Environmental Protection Agency Regional Screening Level, commercial/industrial land use, updated November 2020

Table 4. Summary of PCBs in Soil
12459-B Arrow Route
Rancho Cucamonga, California

Sample ID	Depth (feet bgs)	Sample Date	Detected PCBs using USEPA 8081 (mg/kg)								
			Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
RSB-51	1	12/28/2020	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
RSB-51	3	12/28/2020	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
RSB-51	5	12/28/2020	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
RSB-65	1	12/29/2020	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
RSB-65	3	12/29/2020	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
RSB-65	5	12/29/2020	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
Regulatory Screening Criteria (mg/kg)											
USEPA RSL/DTSC HERO Note 3 Commercial Screnning Level*			**17**	**0.53**	**0.49**	**0.58**	**0.58**	**0.59**	**0.6**	**NE**	**NE**

Notes

* - the most conservative screening level was used for comparison

Only compounds reported above the laboratory reporting limit in at least one sample are shown.

< X - Not Reported above laboratory reporting limit (X)

bgs - below ground surface

DTSC - Department of Toxic Substances Control

DTSC HERO HHRA Note 3 - DTSC Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs). Dated June 2020.

ID - Identification

mg/kg - milligram per kilogram

NE - screening level not established

PCBs - polychlorinated biphenyls

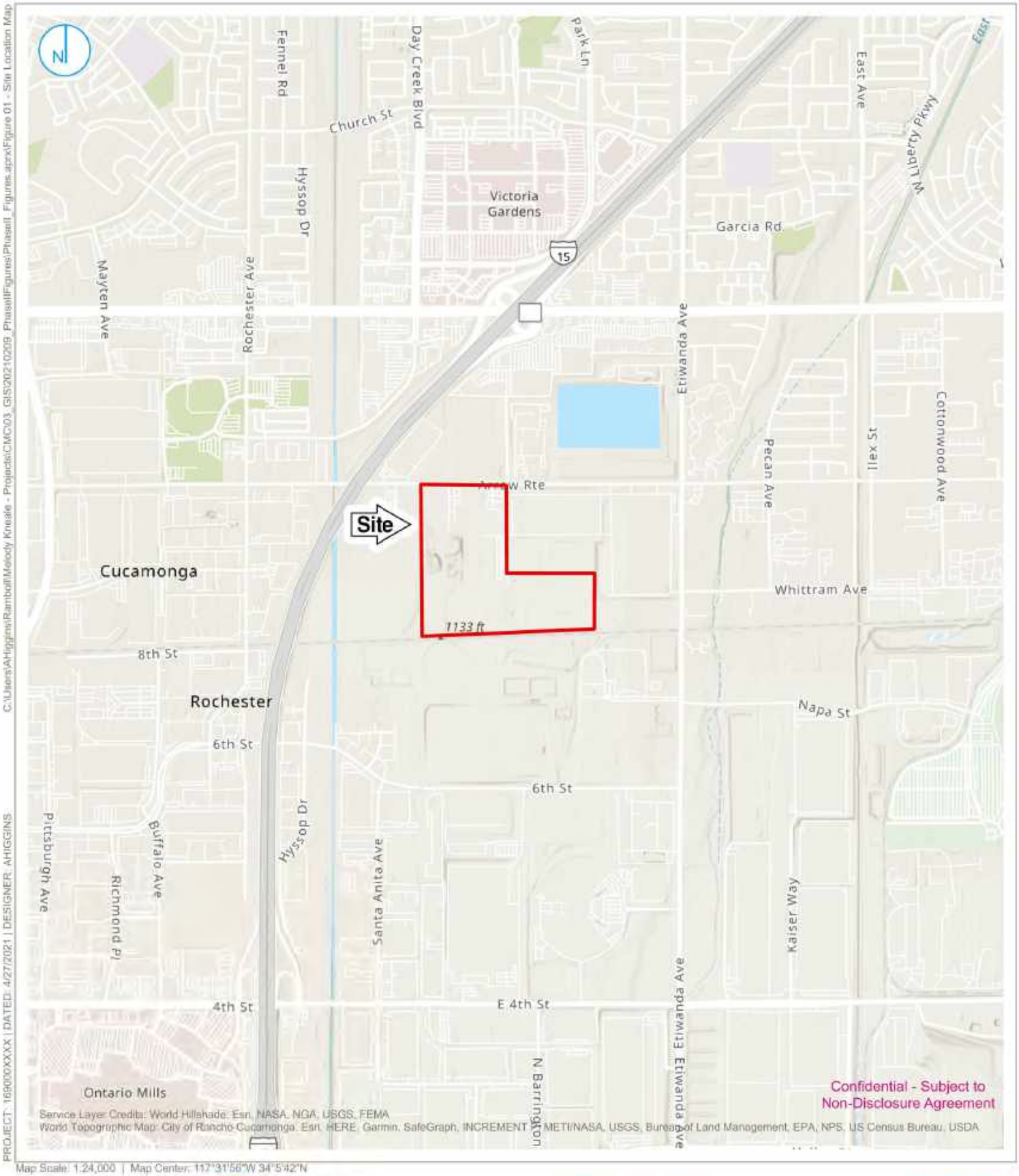
USEPA - United States Environmental Protection Agency

USEPA RSL - United States Environmental Protection Agency Regional Screening Level, commercial/industrial land use, updated November 2020

Sample ID	Depth (feet bgs)	Sample Date	Detected VOCs using USEPA 8260B (µg/l)											
			1,1,1,2-Tetrachloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Chloroform	Ethyl Benzene	m,p-xylene	ortho-xylene	Tetrachloroethene	Toluene	Trichloroethene
RSB-25	5	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	**0.06**	< 0.013	< 0.026	< 0.013	0.03	< 0.013	< 0.013
RSB-25	15	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	**0.26**	< 0.013	< 0.026	< 0.013	< 0.013	0.05	< 0.013
RSB-27	5	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	0.03	< 0.013
RSB-27	15	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	0.01	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	0.02	< 0.013
RSB-28	5	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	**0.02**	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-28	30	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	0.01	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-29	5	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	**0.22**	< 0.013	0.02	0.02	0.02	< 0.013	0.03	< 0.013
RSB-29	30	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	0.01	0.06	< 0.013
RSB-30	5	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.1**	0.01	< 0.013
RSB-30	15	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.08**	0.03	0.04
RSB-31	5	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	0.02	< 0.013	< 0.013
RSB-32	5	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	0.01	< 0.013	< 0.026	< 0.013	< 0.013	0.01	< 0.013
RSB-32	30	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	**1**	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-33	5	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-33	15	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	0.05	< 0.013
RSB-38	5	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.65**	< 0.013	< 0.013
RSB-43	5	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-43	15	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	**0.03**	< 0.013	< 0.026	< 0.013	< 0.013	0.04	< 0.013
RSB-44	5	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-44	15	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-44	15	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-46	5	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	0.02	< 0.013	< 0.013
RSB-47	5	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-48	5	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	0.01	< 0.013	< 0.013	< 0.026	< 0.013	0.06	< 0.013	0.02
RSB-49	5	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	0.02	0.02	< 0.013
RSB-51	15	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-52	5	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-52	5	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-53	5	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.21**	< 0.013	< 0.013
RSB-54	5	1/8/2021	0.01	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**100**	< 0.013	< 0.013
RSB-54	5	2/1/2021	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 0.5	**34**	< 0.5	< 0.5
RSB-54-CL	15	2/1/2021	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.05	< 0.025	**7.8**	< 0.025	< 0.025
RSB-54-CL	35	2/1/2021	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.05	< 0.025	**0.24**	< 0.025	< 0.025
RSB-54-E	5	2/1/2021	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.05	< 0.025	**3.1**	< 0.025	< 0.025
RSB-54-E	15	2/1/2021	< 0.025	< 0.025	< 0.025	0.08	< 0.025	< 0.025	< 0.025	< 0.05	< 0.025	**1.9**	0.04	< 0.025
RSB-54-E	35	2/1/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.08**	0.01	< 0.013
RSB-54-N	5	2/1/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	0.01	< 0.013	< 0.013
RSB-54-N	15	2/1/2021	< 0.013	< 0.013	< 0.013	0.04	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.11**	0.09	< 0.013
RSB-54-N	35	2/1/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.1**	0.02	< 0.013
RSB-54-N	35	2/1/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.13**	0.04	< 0.013
RSB-54-S	5	2/1/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.33**	< 0.013	< 0.013
RSB-54-S	15	2/1/2021	< 0.013	< 0.013	< 0.013	0.04	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.18**	0.02	< 0.013
RSB-54-S	35	2/1/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	0.05	0.01	< 0.013
RSB-54-W	5	2/1/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.17**	0.05	< 0.013
RSB-54-W	15	2/1/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.41**	< 0.013	< 0.013
RSB-54-W	35	2/1/2021	< 0.013	< 0.013	< 0.013	0.04	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.58**	0.38	< 0.013
RSB-55	5	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-56	5	1/6/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-59	5	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	0.06	< 0.013
RSB-59	15	1/8/2021	< 0.013	0.03	0.03	< 0.013	0.01	< 0.013	0.01	0.02	0.02	< 0.013	0.1	< 0.013
RSB-59	15	1/8/2021	< 0.013	0.04	0.03	< 0.013	0.01	< 0.013	0.01	0.02	0.02	< 0.013	0.08	< 0.013
RSB-60	5	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.13**	< 0.013	< 0.013
RSB-61	5	1/8/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	**0.09**	< 0.013	< 0.013
RSB-64	5	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	0.03	< 0.013	< 0.013
RSB-64	15	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	0.02	< 0.013	< 0.013
RSB-69	5	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
RSB-69	15	1/7/2021	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.026	< 0.013	< 0.013	< 0.013	< 0.013
Regulatory Screening Criteria (µg/l)														
DTSC HERO HHRA Note 3 (June 2020) / USEPA Regional Screening Levels (May 2020) - Commercial / Industrial Soil Gas Levels, Existing Building, cancer endpoint,			**0.057**	**8.67***	**8.67***	**NE**	**0.014**	**0.017**	**0.163**	**14.67***	**14.67***	**0.067**	**43.33***	**0.1**
DTSC HERO HHRA Note 3 (June 2020) / USEPA Regional Screening Levels (May 2020) - Commercial / Industrial Soil Gas Levels, Existing Building, cancer endpoint,			1.7	260*	260*	NE	0.42	0.53	4.9	440*	440*	2	1,300*	3

Notes
Bold indicates concentration above attenuation factor 0.03
Underline indicates concentration above attenuation factor 0.001
* - non cancer endpoint
Only compounds reported above the laboratory limit in at least one sample are shown.
< X - Not reported above laboratory reporting limit (X).
bgs - below ground surface
DTSC - Department of Toxic Substances Control
DTSC HERO HHRA Note 3 - DTSC Human and Ecological Risk Office (HERO) Human Health Risk assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs). Dated June 2020.
ID - Identification
µg/l - microgram per liter
NE - Screening level not established
USEPA - United States Environmental Protection Agency
USEPA RSL - United States Environmental Protection Agency Regional Screening Level, commercial/industrial land use, updated November 2020
VOCs - Volatile Organic Compounds

FIGURES



PROJECT: 169000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS
C:\Users\AHiggins\Ramboll\Melody Kneale - Projects\CMC\03_GIS\20210209_PhaseIIFigures\PhaseII_Figures.aprx\Figure 01 - Site Location Map

Map Scale: 1:24,000 | Map Center: 117°31'56"W 34°5'42"N

Site Boundary

KEY MAP (not to scale)

0 1,000 2,000 Feet

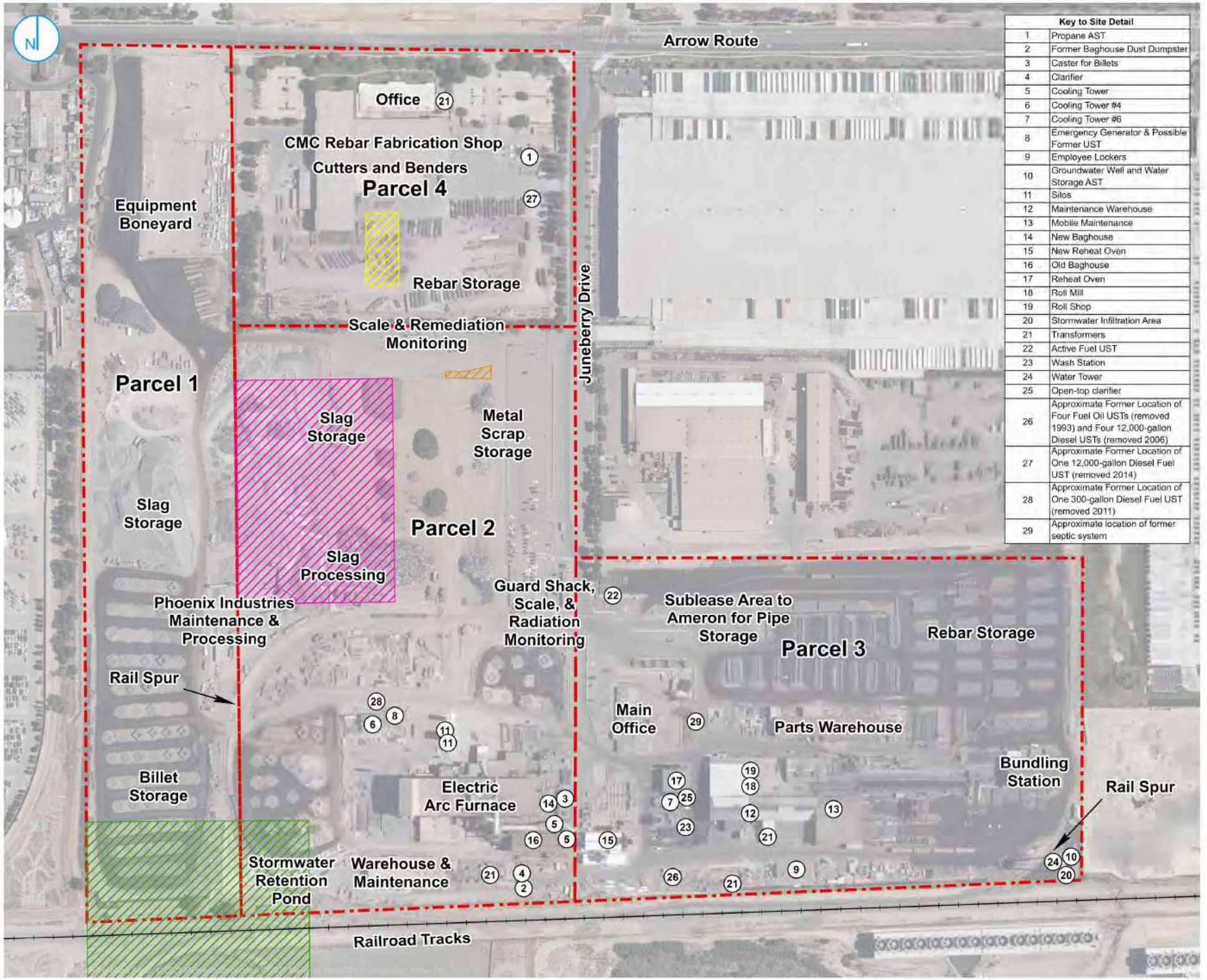
SITE LOCATION

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 01

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL



Key to Site Detail	
1	Propane AST
2	Former Baghouse Dust Dumpster
3	Caster for Billets
4	Clarifier
5	Cooling Tower
6	Cooling Tower #4
7	Cooling Tower #6
8	Emergency Generator & Possible Former UST
9	Employee Lockers
10	Groundwater Well and Water Storage AST
11	Silos
12	Maintenance Warehouse
13	Mobile Maintenance
14	New Baghouse
15	New Reheat Oven
16	Old Baghouse
17	Reheat Oven
18	Roll Mill
19	Roll Shop
20	Stormwater Infiltration Area
21	Transformers
22	Active Fuel UST
23	Wash Station
24	Water Tower
25	Open-top clarifier
26	Approximate Former Location of Four Fuel Oil USTs (removed 1993) and Four 12,000-gallon Diesel USTs (removed 2006)
27	Approximate Former Location of One 12,000-gallon Diesel Fuel UST (removed 2014)
28	Approximate Former Location of One 300-gallon Diesel Fuel UST (removed 2011)
29	Approximate location of former septic system

- UST Removal Area
- Slag Trench Remediation Area (DTSC, December 20, 2001)
- Slag Remediation Area (SBCFD, July 2, 2002)
- Pad 16 Remediation Area (DTSC, April 26, 2007)
- Lead Remediation Area (RWQCB-SA, November 7, 1990)
- Site Boundary

Notes

1. All locations are approximate
2. DTSC = Department of Toxic Substances Control
3. RWQCB = Regional Water Quality Control Board
4. SBCFD = San Bernardino County Fire Department
5. AST = Aboveground storage tank
6. UST = Underground storage tank

0 125 250 Feet

Confidential - Subject to Non-Disclosure Agreement

SITE LAYOUT MAP

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 02

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Melody Knaste - Projects\CMC\03_GIS\20210209_PhaseII_Figures.aprx\Figure 02 - Site Map

PROJECT: 1690000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS



Grid Soil Sample Location
Soil Sample Location
Soil/Soil Vapor Sample Location
Step-out Soil Sample Location
Step-out Soil Vapor Sample Location
Site Parcel

0 125 250 Feet

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BORING LOCATION MAP

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

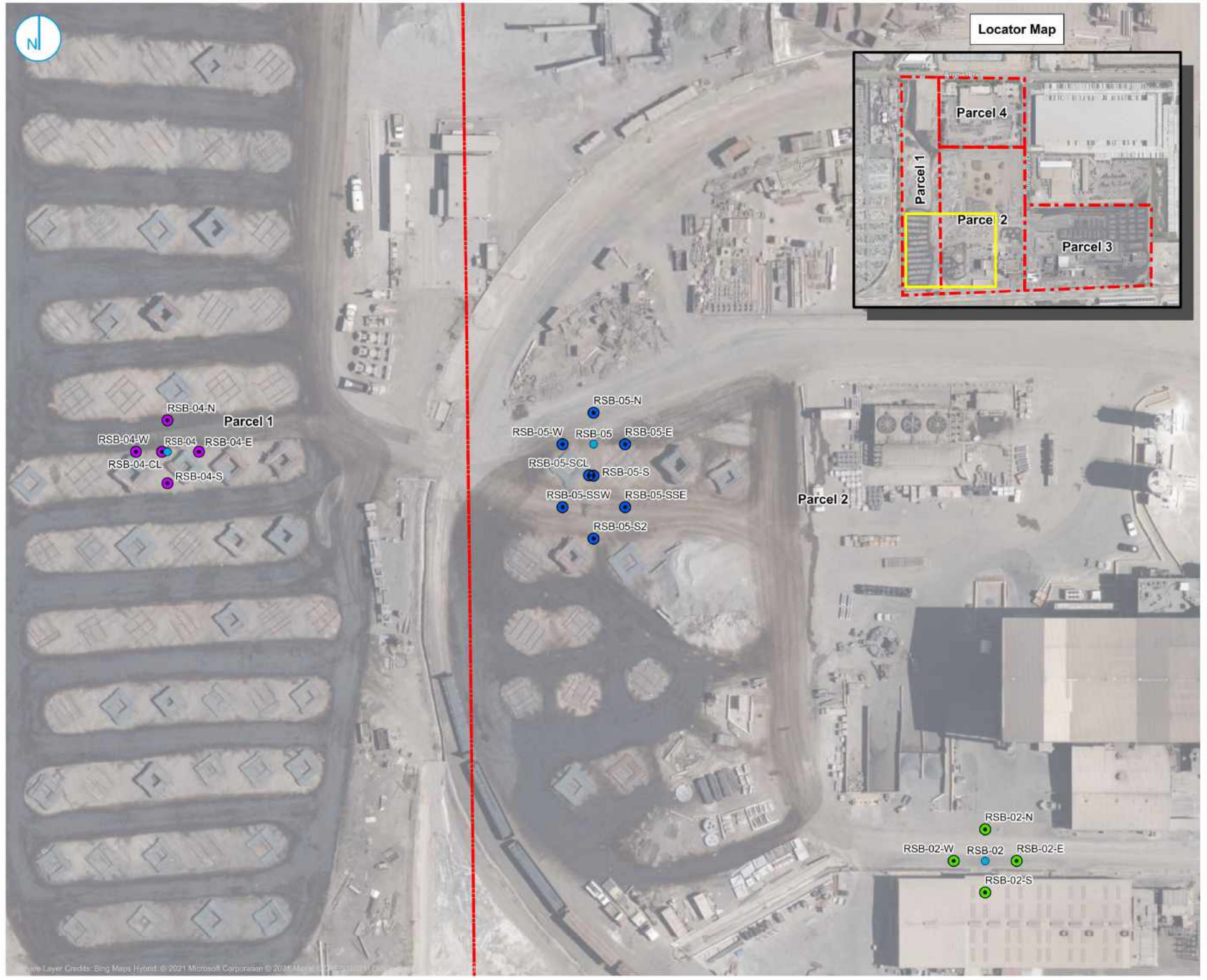
FIGURE 03

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS

C:\Users\AHiggins\Ramboll\Melody Kinsele - Projects\CMC\03_GIS\20210208_PhaseII\Figures\PhaseII_Figures.aprx\Figure 03 - Boring Locations



Grid Soil Sample Location

Step-Out Soil Sample Location for Analysis of Lead

Step-Out Soil Sample Location for Analysis of Total Petroleum Hydrocarbons

Step-Out Soil Sample Location for Analysis of Thallium

Site Parcel

0 37.5 75 Feet

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STEP-OUT DETAIL MAP
PARCELS 1 & 2

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

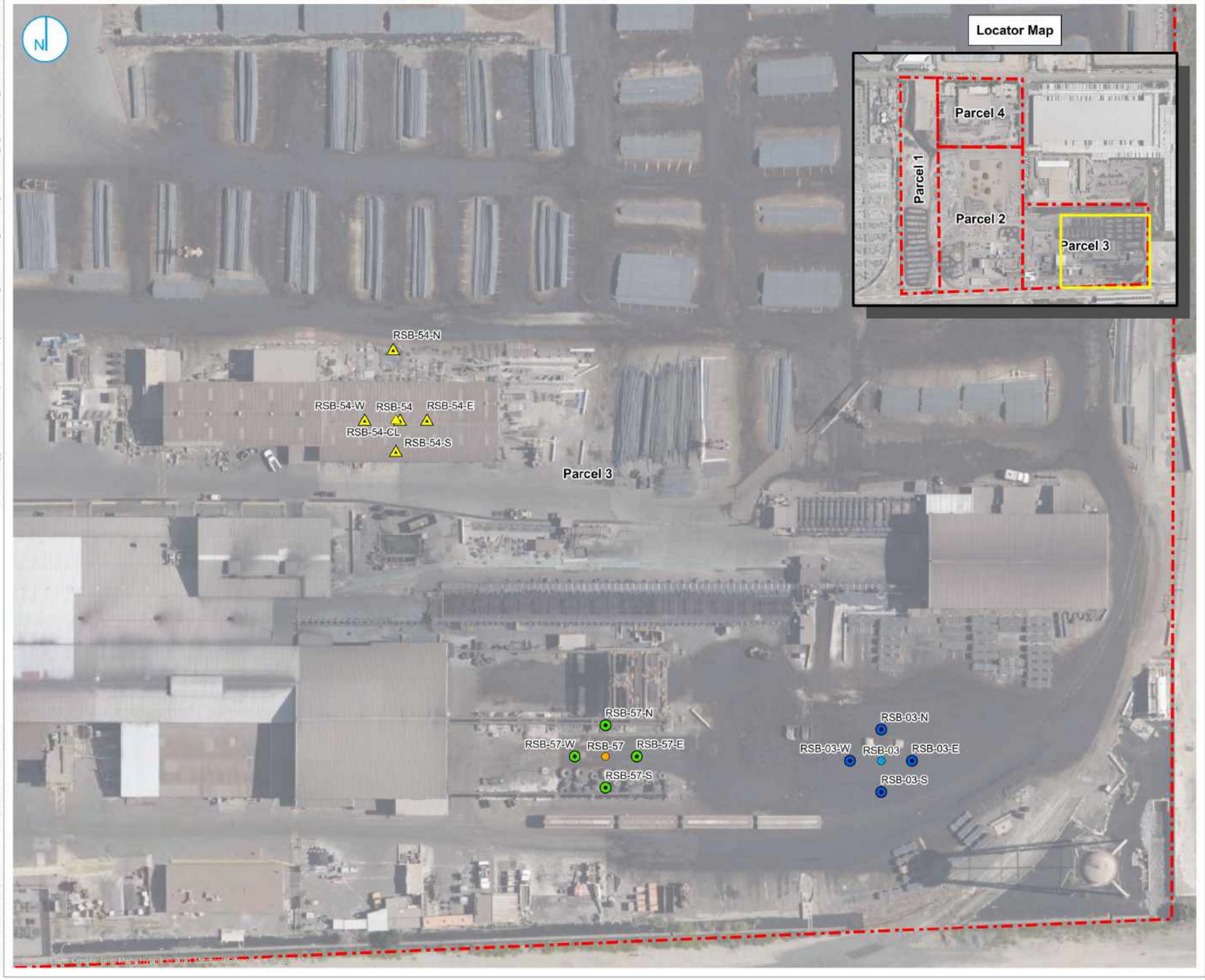
FIGURE 04A

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Rainbolt\Melody Kneale - Projects\CMC\03_GIS\20210209_Phase\Figures\Phase1_Figures.aprx\Figure 04A - Stepout Locations

PROJECT: 169000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS



Grid Soil Sample Location
Soil Sample Location
Soil/Soil Vapor Sample Location
Step-Out Soil Sample Location for Analysis of Lead
Step-Out Soil Sample Location for Analysis of Total Petroleum Hydrocarbons
Step-Out Soil Vapor Sample Location for Analysis of Volatile Organic Compounds
Site Parcel

0 37.5 75 Feet

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STEP-OUT DETAIL MAP
PARCEL 3

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

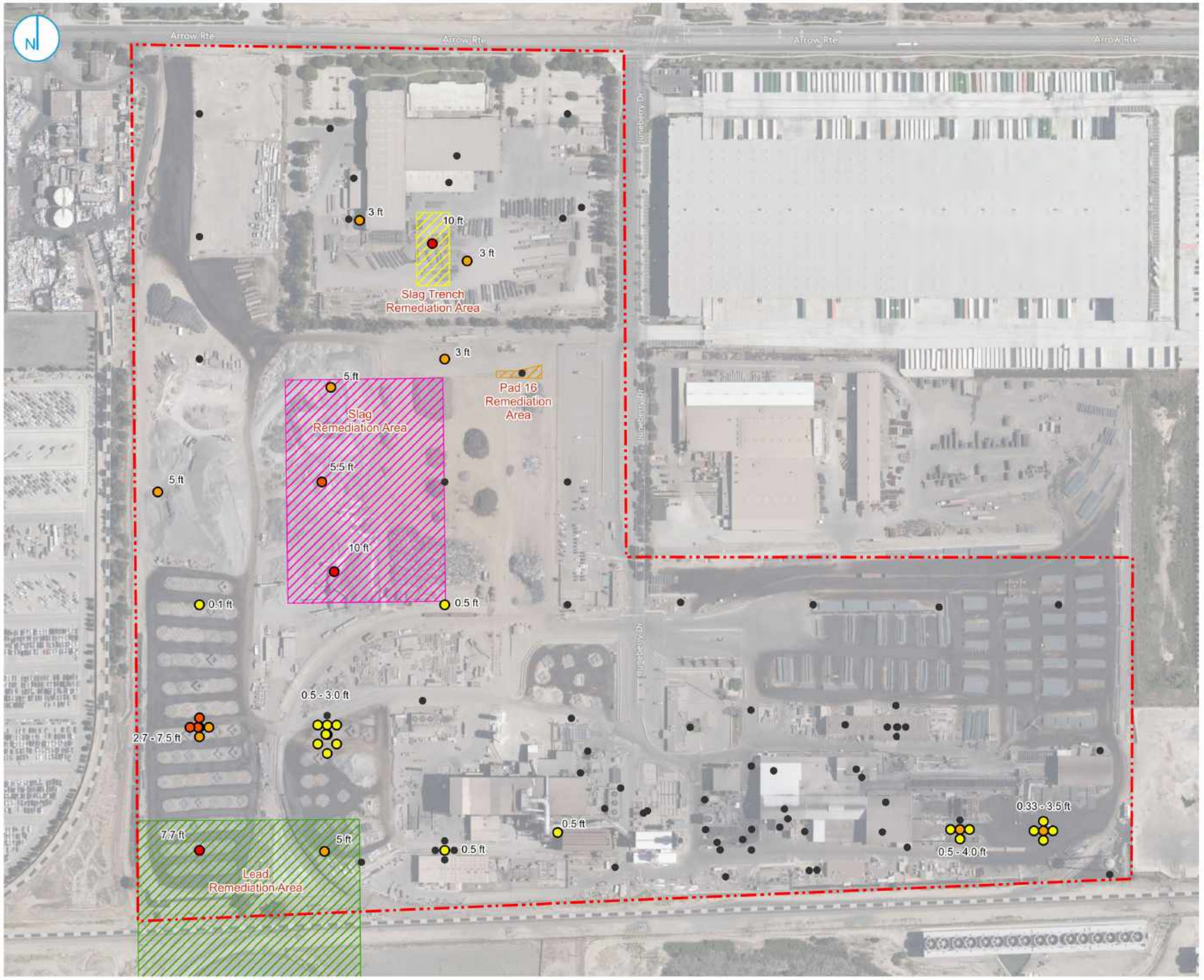
FIGURE 04B

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Rainbolt\Melody Kneale - Projects\CMC\03_GIS\20210209_Phase II\Figures\Phase II_Figures.aprx\Figure 04B - Stepout Locations

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Slag Thickness (feet) at Boring Locations

- No slag encountered
- 0 - 2.5
- 2.6 - 5.0
- 5.1 - 7.5
- 7.6 - 10
- Site Boundary
- Slag Trench Remediation Area (DTSC, December 20, 2001) *
- Slag Remediation Area (SBCFD, July 2, 2002)
- Pad 16 Remediation Area (DTSC, April 26, 2007)
- Lead Remediation Area (RWQCB-SA, November 7, 1990)

Notes

1. Slag thickness depicted in feet (ft) below ground surface at boring locations where slag is identified
2. All borings from 2020/2021 are depicted on the map.

0 125 250 Feet

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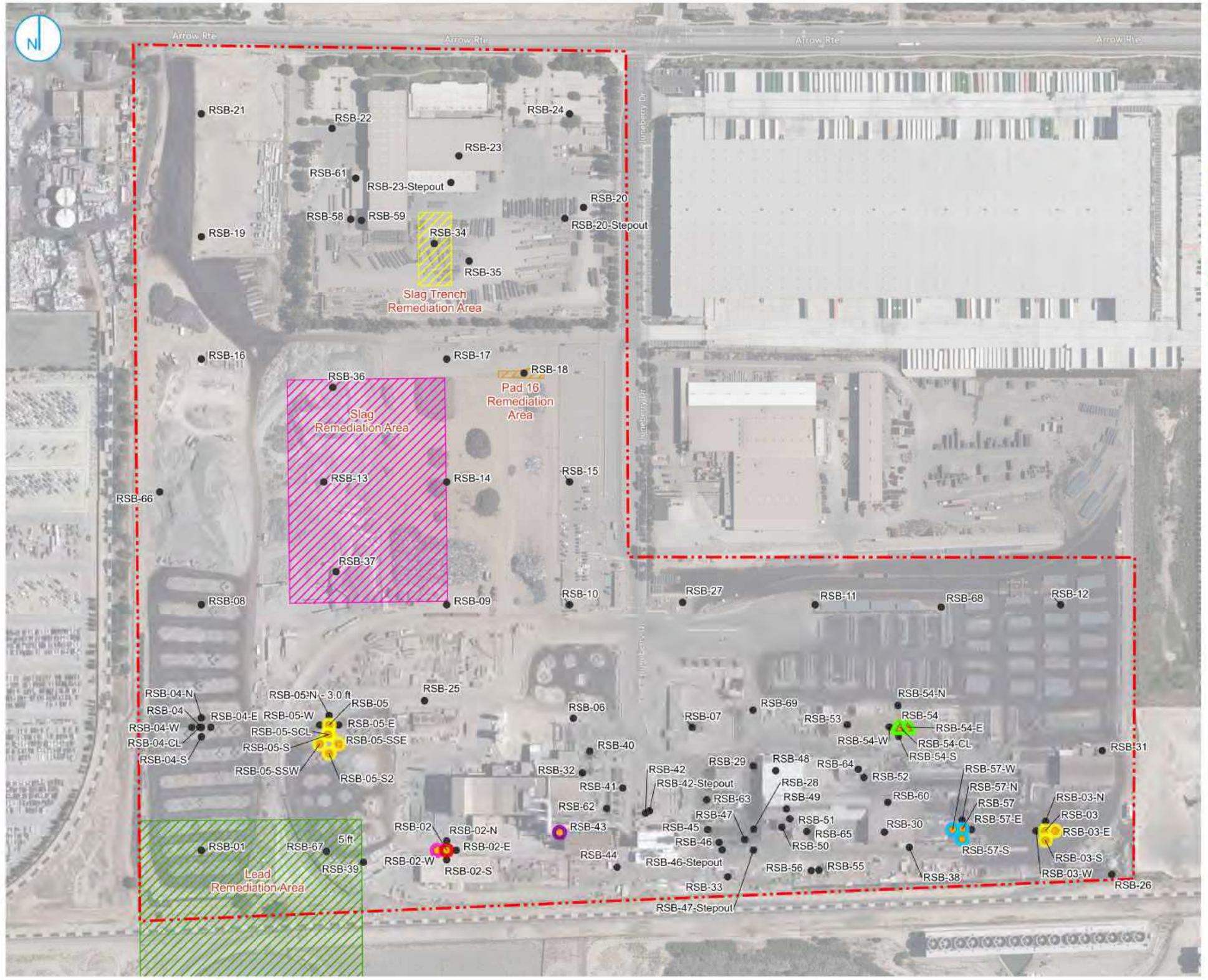
SLAG THICKNESS MAP

FIGURE 05

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

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PROJECT: 1690017868 | DATED: 4/27/2021 | DESIGNER: AHIGGINS



- Boring Location (Ramboll, 2020/2021)
- Soil Commercial/Industrial Exceedance - DRO
- Soil Commercial/Industrial Exceedance - Lead
- Soil Commercial/Industrial (Lead) and Hazardous Waste Exceedance (Lead)
- Soil Commercial/Industrial (Lead) and Hazardous Waste Exceedance (Lead and Zinc)
- Soil Hazardous Waste Exceedance (Cadmium)
- Soil Vapor Commercial/Industrial Exceedance - PCE
- Slag Trench Remediation Area (DTSC, December 20, 2001)
- Slag Remediation Area (SBCFD, July 2, 2002)
- Pad 16 Remediation Area (DTSC, April 26, 2007)
- Lead Remediation Area (RWQCB-SA, November 7, 1990)
- Site Boundary

Notes
1. DRO: Diesel Range Organics
2. PCE: Tetrachloroethene
2. All borings from 2020/2021 are depicted on the map.

0 125 250 Feet

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SUMMARY OF REGULATORY EXCEEDANCES IN SOIL AND SOIL VAPOR

FIGURE 06

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

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PROJECT: 1690017868 | DATED: 4/27/2021 | DESIGNER: AHIGGINS

Response to Comments: Subsurface Investigation Report
BTC III Arrow Route (Site Code: 301642)
12451 Arrow Route, Rancho Cucamonga, CA

Comment Number	DTSC Comment	Roux Response	Location in Text
Human and Ecological Risk Office (HERO):			
Reviewer: Vada Kyonga Yoon, DEnv (Doctor of Environmental Science and Engineering), Staff Toxicologist			
1	Comment Numbers 1a and 1c *(from HERO's April 28, 2023 Memorandum)* : To be addressed in the future document (i.e., a workplan portion of the forthcoming current conditions report).	No additional response.	
2	Comment Number 1b *(from HERO's April 28, 2023 Memorandum)* : Additional soil vapor sampling at depth is proposed only at Parcel 2. HERO is unable to determine whether additional soil vapor sampling at depth only from Parcel 2 are sufficient for the entire Site characterization. HERO will determine this once the upcoming current condition report is submitted for HERO's review.	No additional response.	
3	Comment Number 2 *(from HERO's April 28, 2023 Memorandum)* : To be addressed in the future document.	No additional response.	
4	Comment Number 3 *(from HERO's April 28, 2023 Memorandum)* : To be addressed in the future document (i.e., current condition report).	No additional response.	
5	HERO recommends providing a table which summarizes historical operations and available data per parcel in the upcoming current condition report in order to facilitate HERO's review. HERO recommends that the summary table provide a per parcel summary, which will specify historical activities and constituent of potential concerns, sample media, sampling depths, and analytes of available data, and a proposed additional sampling or a lack of additional sampling proposed with rationale.	The suggested table and details will be included in the Current Conditions Report	
Geological Services Branch (GSB):			
Reviewer: Alexandra Ruiz, P.G., Engineering Geologist			
10	Section 4.2.6 Mobile Maintenance Building and Former ASTs (Parcel 3) – The 5-feet bgs bullet states that additional delineation of PCE is needed to the west of RSB-30-R4 at 5 feet bgs; however, according to Figure 13, PCE at this location was delineated below the screening level. Instead, GSB recommends further delineation west of RSB-30-R5, which had a PCE detection of 66 micrograms per cubic meter (µg/m3). Additionally, the 15-feet bgs bullet states that TCE is not delineated west of boring RSB-60-R6; the direction should be corrected to east.	The reference to RSB-30-R4 is a typo and has been revised to reference further delineation west of RSB-**60**-R4. As noted by GSB, PCE was detected at 66 micrograms per cubic meter (µg/m3) at RSB-30-R5, which is below the screening criteria for PCE with the default conservative 0.03 attenuation factor applied (i.e. delineation is complete). Soil vapor concentrations will be considered during full-scale soil vapor extraction (SVE) design/planning document preparation. The description of TCE delineation at 15-feet bgs has been corrected to note that additional delineation is needed east of RSB-60-R6.	Section 4.2.6, 5-feet bgs bullet and 15-feet bgs bullet.
11	Section 4.2.7 Parts Warehouse (Parcel 3) – The 35-feet bgs bullet states that TCE lacks delineation to the east and south of RSB-54-SE. The section should also note that TCE has not been delineated vertically at this location nor vertically near location RSB-54-E3.	Noted. The description of TCE delineation at 35-feet bgs has been corrected.	Section 4.2.7, 35-feet bgs bullet
12	Figure 14 Benzene Iso-Contours 5 Feet Bgs – There appears to be a discrepancy on Figure 14. The benzene concentration at RSB-54-E is displayed as 3,100 micrograms per cubic meter µg/m3. Please confirm that this is not accurate.	The benzene concentration at RSB-54-E at 5 feet bgs is <25 µg/m3. 3,100 µg/m3 is the PCE concentration at that probe and depth, and was displayed in error.	Figure 14
Additional Roux Changes:			
1	Table 2 has been amended to include all historical Ramboll results.		Table 2

Subsurface Investigation Report

12451 Arrow Route
Rancho Cucamonga, California

April 6, 2023
Revised September 12, 2023
Revised October 24, 2023

Prepared for:

BTC III Arrow Route CC LP

Prepared by:
Roux Associates, Inc.
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California, 90804

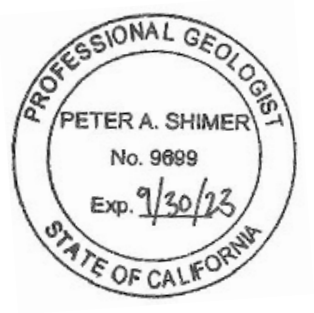
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+1.800.322.ROUX
rouxinc.com

Subsurface Investigation Report
Former Commercial Metals Company Facility
12451 Arrow Route
Rancho Cucamonga, California

April 6, 2023
Revised September 12, 2023
Revised October 24, 2023

Prepared on Behalf of BTC III Arrow Route CC LP By:



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Senior Geologist



Mauricio H. Escobar, P.G.
Vice President / Principal Geologist

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5150 East Pacific Coast Highway, Suite 450
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Executive Summary

Roux Associates, Inc. (Roux), on behalf of BTC III Arrow Route CC LP (BTC III, CLIENT), has prepared this *Subsurface Investigation Report* (Report) for the 95-acre Former Commercial Metals Company (CMC) facility located at 12451 Arrow Route, Rancho Cucamonga, California (Site; Figure 1). The Site was formerly owned and occupied by CMC and included an inactive rebar fabrication facility and inactive steel mill. The Site is comprised of four parcels (Parcels 1 through 4; Figure 2), which were historically used as follows:

- Parcel 1 was formerly used as an equipment yard, slag material storage, and steel billets storage and had no permanent structures;
- Parcel 2 was formerly developed with a melt shop, warehouse and maintenance building, an old bag house, and a guard shack;
- Parcel 3 was formerly developed with a new bag house, the main office, a parts warehouse, a roll mill, and a bundling station; and
- Parcel 4 was formerly developed with an office and a fabrication shop that included a vehicle wash area.

The Site was acquired by CLIENT in December 2021 and as of the date of this Report had been cleared of all structures in preparation for industrial redevelopment (Figure 3).

Ramboll US Consulting, Inc. (Ramboll) conducted a Phase I Environmental Site Assessment (ESA) and a Phase II Subsurface Investigation of the Site (Ramboll, 2021b and 2021a) in late 2020 and early 2021 on behalf of the former owner. The stated objectives of Ramboll's Phase II investigation were to evaluate: (1) soil and soil vapor conditions across the Site; (2) the extent of subsurface slag, a byproduct of the steel manufacturing process; and (3) subsurface conditions near current and former features such as underground storage tanks (USTs), cooling towers, and storage areas for slag, steel billet, scrap metal and rebar.

Ramboll's key findings included the following:

- Lead was detected in shallow soil samples (up to 3 feet below ground surface [bgs]) at concentrations greater than the DTSC SL for Commercial/Industrial Soil (320 milligrams per kilogram [mg/kg] at the time of the Ramboll investigation[1]) at the original and step-out borings near the Warehouse and Maintenance building and in the east part of the Mobile Maintenance building (Figure 6 in Appendix B). However, lead concentrations in soil decreased with depth and distance from original borings.
- Diesel-range organics (DRO) were detected in shallow soil samples (up to 5 feet bgs) at concentrations greater than the United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL; 560 mg/kg) in original and step-out borings south of the Bundling Station

[1] The DTSC SL for lead in soil has been updated from 320 mg/kg to 500 mg/kg per the Human Health Risk Assessment (HHRA) Note Number 3, updated in May 2022 by the DTSC Human and Ecological Risk Office (HERO). https://dtsc.ca.gov/wp-content/uploads/sites/31/2022/02/HHRA-Note-3-June2020-Revised-May2022A.pdf

and near the west boundary of Parcel 2 (Figure 6 in Appendix B). DRO concentrations in soil decreased with depth and distance from original borings.

- Groundwater has historically been measured at a depth of approximately 378 feet bgs in the onsite water well. The investigations performed by Ramboll did not suggest that on Site operations had adversely impacted groundwater.

- Soil vapor data collected at the Site suggests that Site-wide vapor mitigation measures are not necessary. PCE and benzene were detected in shallow soil vapor at concentrations exceeding the DTSC SL for a commercial/industrial scenario using an attenuation factor of 0.03 (67 and 14 micrograms per cubic meter [$\mu g/m^3$], respectively) at shallow depths (less than 35 feet bgs) in the western portion of the Roll Mill and in the area of the Parts Warehouse at Parcel 3 (Figure 6 in Appendix B). Detections of PCE ranged from 10 to 100,000 $\mu g/m^3$ and benzene detections ranged from 29 to 220 $\mu g/m^3$.

- Slag material was observed in several borings at depths ranging from 0 to 10 feet bgs and in thickness ranging between approximately 0.1 and 10 feet, primarily on the western, northern, and southwestern portions of the Site.

- Ramboll recommended that, in a redevelopment scenario, certain soils would need to be managed in compliance with California and federal law, due to encountered concentrations of lead, zinc, and/or cadmium in soil samples collected during their investigation.

As part of due diligence prior to Site acquisition by BTC III, Roux conducted a Phase I ESA in September 2021 (Roux, 2021) and identified the following Recognized Environmental Conditions (RECs):

- DRO and metals impacts to shallow soils in Parcels 2 and 3, and VOC impacts (primarily PCE) to shallow soil vapor in Parcel 3, as identified by Ramboll. This included SL exceedances in soil vapor for chloroform (three locations), benzene (two locations), and PCE (six locations) and in soil for DRO, cadmium and lead.

- Rail spurs at Parcels 2 and 3 were installed by at least 1959. Railroad spurs represent environmental concerns due to potential historical application of oils, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical practice of using coal cinders for track fill material, and hazardous spills.

- A 12,000-gallon dual-compartment diesel and gasoline underground storage tank (UST) at Parcel 3, north of the main office building.

- A former chemical storage area was located northwest of the melt shop on Parcel 2. Moderate staining and cracks were observed, and this area was not previously assessed.

- A wash rack located in the northern portion of Parcel 2. This area was not previously assessed.

- An inactive subsurface clarifier and aboveground oil recovery system in Parcel 4, which had not been previously assessed.

- Potential inactive on-Site USTs were identified in previous reports and regulatory agency records.

In order to address the RECs and supplement Ramboll's data, Roux conducted a Subsurface Investigation in two mobilizations: the first in November 2021 and the second in March 2022 (Figures 4 through 7).

Mobilization 1 was implemented to confirm Site environmental conditions prior to BTC III's ownership. Key findings from Mobilization 1 summarized below:

- PCBs and benzo(a) pyrene were detected at concentrations greater than the SLs in soil samples collected from borings RR-3 (PCBs) and RR-12 (benzo(a)pyrene) located along the rail spurs at Parcels 2 and 3.

- Concentrations of target analytes in soil and soil vapor samples at an existing UST, a former chemical storage area, a wash rack, and former USTs were less than commercial/industrial RSLs or SLs.

- Pesticide and herbicide concentrations across the Site were less than the commercial/industrial RSLs or SLs.

- Shallow soils (less than 5 feet bgs) in limited areas near the southern portion of the Site (Parcels 2 and 3) contained DRO and metals concentrations exceeding the commercial/industrial RSLs or SLs.

- PCE and benzene concentrations in soil vapor samples in portions of Parcel 3 exceeded applicable SLs.

Mobilization 2 was implemented after BTC III became owner to delineate VOC impacts to shallow soil and soil vapor at Parcel 3. Key findings from Mobilization 2 are summarized below:

- VOCs are not present in soil at concentrations greater than USEPA RSLs or DTSC SLs.

- Soil vapor analytical results indicate that PCE, TCE, benzene, and chloroform are present at a small portion of Parcel 3. VOC impacts are highest in concentration between 5 and 15 feet bgs, with significant attenuation at 35 feet bgs. Some additional lateral and vertical delineation are needed.

Based on the results of the Subsurface Investigation, Roux recommends:

1. Additional shallow soil sampling to delineate identified DRO, metals, and SVOC impacts at Parcels 2 and 3, in order to define soils that may need to be removed from the Site or evaluated for potential on-Site treatment and reuse.[2]

2. Additional soil vapor delineation sampling and evaluation of soil vapor extraction (SVE) as a remedial alternative for shallow soil vapor VOC impacts to Parcel 3.[3]

[2] A proposed scope of work will be presented in a forthcoming Current Conditions Report (CCR).

[3] On July 15, 2022, Roux conducted an SVE pilot, which was documented in a Soil Vapor Extraction Pilot Test Technical Memorandum, dated October 4, 2022. Additional soil vapor delineation activities and an extended SVE pilot test are proposed in the *Soil Vapor Delineation and Soil Vapor Extraction Extended Pilot Test Workplan* dated September 1, 2023.

3. Additional sampling at the rail spurs to delineate the extent of PCB impacts. [4]

4. Additional evaluation of the physical distribution and chemical composition of slag materials in the western portions of the Site.[5]

[4] A shallow soil investigation in the area of identified polychlorinated biphenyls (PCBs) was conducted in November 2022 with additional sampling completed in May and June 2023, which was documented in a *Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls near RR-3 and Recommended Additional Sampling, Southeastern Corner of Parcel 3*, dated August 25, 2023. The November 2022 sampling was documented in a previous memorandum dated April 7, 2023.

[5] A focused slag investigation was conducted between September and October 2022, which was documented in a *Slag Investigation Technical Memorandum*, dated April 7, 2023 (revised August 25, 2023).

1. Introduction

Roux Associates, Inc. (Roux), on behalf of BTC III Arrow Route CC LP (BTC III, CLIENT), has prepared this *Subsurface Investigation Report* (Report) for the former Commercial Metals Company (CMC) facility located at 12451 Arrow Route, Rancho Cucamonga, California (Site; Figure 1). The Site was formerly owned and occupied by CMC and included an inactive rebar fabrication facility and inactive steel mill (Figure 2). The Site was purchased by BTC III in December 2021 and as of the date of this Report had been cleared of all structures in preparation for industrial redevelopment. A conceptual industrial development plan, which is subject to change, is shown on Figure 3.

Ramboll US Consulting, Inc. (Ramboll) conducted a Phase I Environmental Site Assessment (ESA) and Phase II Subsurface Investigation on behalf of CMC (the former owner) in 2020 and 2021 (Ramboll, 2021a and 2021b). Ramboll's Site-wide Phase II investigation was intended to assess soil and soil vapor conditions as part of CMC's shut down of operations (Ramboll, 2021b). The Phase II investigation evaluated point-source features of concern, including former underground storage tanks (USTs), clarifiers, cooling towers, chemical storage areas, and former remediation areas. Ramboll evaluated the extent and presence of buried slag by implementing unbiased, Site-wide grid sampling in areas that had not previously been sampled.

As part of due diligence prior to Site acquisition by BTC III, Roux conducted a Phase I ESA in December 2021 (Roux, 2021), which identified the six (6) Recognized Environmental Conditions (RECs). In order to assess the identified RECs, Roux conducted a Subsurface Investigation in two mobilizations: the first in October and November 2021 and the second in March 2022 (Figures 4 through 7). The Subsurface Investigation was conducted to evaluate Site conditions relative to intended industrial redevelopment.

1.1 Objectives

The objectives of the Subsurface Investigation were to:

- Evaluate total petroleum hydrocarbon (TPH) concentrations in the diesel range ("diesel range organics" or "DRO") and metals impacts to shallow soil at Parcels 2 and 3, and VOC impacts (primarily tetrachloroethene [PCE]) to shallow soil vapor at Parcel 3, as identified by Ramboll;
- Evaluate shallow soils in the area of former rail spurs at Parcels 2 and 3;
- Evaluate soil and soil vapor at a then-existing[6] 12,000 gallon dual-compartment diesel and gasoline underground storage tank (UST) at Parcel 3;
- Evaluate soil and soil vapor at a former chemical storage area northwest of the former melt shop on Parcel 2;
- Evaluate soil and soil vapor at a wash rack in the northern portion of Parcel 2;

[6] The UST was removed by December 12, 2022, in accordance with permits from the San Bernardino County Fire Protection District (SBCFPD) and Rancho Cucamonga Fire Protection District (RCFPD). Soil sampling was conducted per the permits and showed no indication of hydrocarbon-related impacts; case closure was granted by SBCFPD on July 18, 2023.

- Evaluate soil in the vicinity of an inactive subsurface clarifier and aboveground oil recovery system in Parcel 4; and

- Evaluate soil and soil vapor at an inactive former on-Site UST at Parcel 3, which historical records suggested had been removed from the Site.

The subsurface investigation was completed in two mobilizations; Mobilization 1 was conducted from October to November 2021 and Mobilization 2 was conducted in March 2022. The results of the Subsurface Investigation are presented herein.

1.2 Report Organization

The remaining sections of this Report are organized as follows:

- Section 2 presents general background information, including Site description, Site history, Site geology and hydrogeology, and a summary of previous environmental investigations;
- Section 3 describes the Subsurface Investigation activities;
- Section 4 provides a summary of results and discussion;
- Section 5 summarizes the findings of the investigation and provides conclusions;
- Section 6 presents Roux's recommendations for the Site;
- Section 7 provides a list of references used in this Report.

2. General Background

2.1 Site Information and History

The Site consists of approximately 95 acres of land bounded by Arrow Route to the north and the Atchison Topeka and Santa Fe Railroad (Railroad) to the south and is accessible via Arrow Route and Juneberry Drive. The nearest surface water feature to the Site is Day Creek, approximately 0.24-mile to the west. The Site is generally flat with a stormwater retention basin located along the southern boundary of Parcel 3.

The Site was formerly occupied by several related entities: CMC, a steel mill; CMC Rebar, a limited rebar manufacturing facility; and Phoenix Industries, a slag processing facility (slag is an inert byproduct of steel production). The Site operated as a steel mill from the 1950s until 2019 when milling operations were phased out. BTC III purchased the property in 2021. The Site is currently vacant and all structures have been demolished in preparation for industrial redevelopment.

The current main address for the Site is 12451 Arrow Route, Rancho Cucamonga, San Bernardino County, California. Over the years, the Site has been owned, developed, and operated by multiple entities and has used a variety of street addresses, including, but not limited to: 12459 Arrow Route (Parcels 2, 3, and 4); 12459-B Arrow Route (Parcels 2 and 3); 12451 Arrow Route (Parcel 4); and 12301 Arrow Highway (Parcel 1).The Site consists of four parcels (Parcels 1 through 4), which are described below and shown on Figure 2:

- Parcel 1 is located in the western portion of the Site and was not historically developed with any permanent structures. CMC utilized the northern portion of Parcel 1 as an equipment boneyard and the southern portion for storage of steel billets. At the time of Roux's Phase I ESA, the majority of Parcel 1 was vacant with some equipment storage in the northern portion and processed slag storage in its central portion.

- Parcel 2 is located in the central and southern portions of the Site. The northern area of Parcel 2 was partially occupied by Phoenix Industries for storage of scrap metal for processing and steel slag that was produced on-Site. On-Site operations consisted of mechanical crushing and sorting of steel slag for off-Site use as aggregate material. No chemical processing of steel slag was conducted on-Site, and no permanent structures were located at this area. The southern portion of Parcel 2 was occupied by the CMC steel mill. The steel mill's primary processing building (melt shop) was previously equipped with an electric arc furnace (EAF) for melting scrap metal.

- Parcel 3 is located in the eastern portion of the Site. The northern area of Parcel 3 was occupied by CMC's main office building, a fueling station, and a vacant area used for rebar storage. The southern portion of Parcel 3 was developed with the former milling and rolling building.

- Parcel 4 is located in the northern portion of the Site and was occupied by CMC Rebar, which operated a small rebar fabrication facility. An office and fabrication building were located at the northwestern portion of the parcel, which included a maintenance area and a vehicle wash area with an oil collection trench and clarifier. The southern and eastern portions of the parcel were used for parking and rebar storage.

The Site was developed for agricultural use (row crops) from at least 1938 until 1954. A small structure was added to the southeastern corner of the Site in 1953, in the approximate present-day location of an existing groundwater well and water tower. By 1959, the eastern portion of Parcel 3 was developed with the milling

and rolling improvements, paved parking areas, outdoor storage yard, office building, water tower, and multiple rail spurs. The remaining parcels continued to be used for agricultural purposes through at least 1973. By 1975, Parcel 2 and the southern portion of Parcel 1 were graded and likely used for storage of raw, finished, or used materials. The northern portion of the Site remained agricultural until the 1980s when Parcel 4 was developed with the fabrication building. By 1985, agricultural operations had ceased, and the Site was primarily developed for industrial use. The current office building and melt shop at Parcel 2 were added by 1990. Major operations from the 1980s through 2019 included receiving of steel scrap, melting of steel scrap, production and fabrication of rebar, and processing of steel slag.

2.2. Site Geology & Hydrogeology

2.2.1 Site Geology

The Site is located roughly 5 miles to the south of the San Gabriel Mountain Ranges. The Site is underlain by the Chino Subbasin. The Chino Subbasin is bound by geological features such as the Rialto Fault to the east, the Jurupa Mountains to the South, the San Jose Fault to the northwest, and the Cucamonga Fault to the north. Regional source rocks consist of consolidated and semi-consolidated Quaternary fluvial and marine deposits. Depositional facies are primarily alluvium, lake, playa, and terrace deposits. Regional soils are mostly gravelly loamy sands (California Department of Conservation, 2010 Geologic Map).

According to Ramboll's 2021 Phase II Subsurface Investigation Report (Ramboll, 2021a), soil on-Site generally consists of sands and gravel in the upper 5 feet below ground surface (bgs), followed by lenses of sand and silts. This was confirmed during Roux's subsurface investigation conducted in 2021 and 2022.

Lithologic conditions observed by Ramboll and Roux at each parcel are as follows:

- Parcel 1– Sand with gravel and/or slag to 5 feet bgs (slag was observed to 7.7 feet bgs by Ramboll in some locations), sand and sand with silt to 18 feet bgs, sandy silt to 25 feet bgs
- Parcel 2 – Sand with gravel and/or slag to 5 feet bgs (slag was observed to 10 feet bgs by Ramboll in some locations), sand and sand with silt to 12 feet bgs, silty sand and sand layering to 30 feet bgs
- Parcel 3 – Sand or silty sand to 29 feet bgs and dense silty layer from 29 to 34 feet bgs
- Parcel 4 – Sand and silty sand layers to 5 feet bgs, and sand to 25 feet bgs

Soil boring logs from Roux's Subsurface Investigation are provided in Appendix A.

2.2.2 Site Hydrogeology

The Site is situated along the northeastern portion of the Chino Subbasin within the Upper Santa Ana Valley Groundwater Basin. The Chino Subbasin is bounded on the north by the San Gabriel Mountains (California's Groundwater Bulletin 118, 2004). Nearest tributaries to the Site drain from north to south from the San Gabriel mountains. The nearest surface water feature to the Site is Day Creek, a concrete lined stormwater drainage channel, approximately 0.24-miles to the west.

Based on monitoring well information from the Etiwanda Generating Station (P. Hamilton, 2010) groundwater is estimated at a depth of 430 feet bgs. Ramboll's Phase II Report notes that historical well drillers logs from a well installed at the southeastern corner of the Site to 728 feet bgs in 1956, had depth

to water at 378 feet bgs (Ramboll, 2021a). During Site investigations by Ramboll and Roux, groundwater was not encountered to the maximum depth drilled of 35 feet bgs.

2.3 Key Previous Environmental Investigations

Environmental investigations have been conducted at the Site by various consultants starting in 1987. Some investigations and on-Site environmental work have warranted regulatory agency oversight from the Department of Toxic Substance Control (DTSC); the Santa Ana Regional Water Quality Control Board (SA-RWQCB), or the County of San Bernardino Environmental Management Group. Ramboll's Phase I ESA provided summaries of selected previous Site investigations, as follows (corresponding reports provided in Appendix D of Ramboll's Phase I ESA):

- 1988 Clean Closure Verification (Parcel 4), Slag Trench Remediation Area;
- 1990 Remediation of Lead Contaminated Soil at Southwest Corner of the Site (Parcel 1);
- 1993 UST Removals (Parcel 3);
- 1994 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Preliminary Assessment (PA; Parcels 2, and 3);
- 1999 Baghouse Dust Commingled with Slag Stockpile Remediation (Parcel 2);
- 2001 Preliminary Endangerment Assessment (Parcel 4), Slag Trench Remediation Area;
- 2006 UST Removals (Parcel 3);
- 2005 Remediation of Soils Impacted with Heavy Metals North of Pad 16 (Parcel 2);
- 2010 UST Removal (Parcel 2); and
- 2014 UST Removal (Parcel 4).

Additional details can be found in the referenced documents and will be included in Roux's forthcoming Current Conditions Report (CCR) to be submitted to DTSC in September 2023.

2.3.1 Phase II Subsurface Investigation Report (Ramboll, 2021a)

Ramboll's Phase II investigation was performed between December 2020 and February 2021, as CMC was shutting down steel mill operations, and was intended to establish "current" soil and soil vapor conditions in preparation for Site closure (Ramboll, 2021a). The Phase II investigation evaluated point-source features of concern, including former USTs, clarifiers, cooling towers, chemical storage areas, and former remediation areas, as well as the extent and presence of buried slag in areas that had not previously been assessed through unbiased, Site-wide grid sampling. Ramboll's figures are included in Appendix B.

Ramboll collected soil and soil vapor samples from 104 borings drilled throughout the Site to depths ranging from 5 to 35 feet bgs. Soil samples were collected and analyzed for metals, VOCs, and TPH at most locations, with select samples also analyzed for hexavalent chromium and/or PCBs. Soil vapor samples were collected at 26 locations and analyzed for VOCs. Ramboll reported that TPH in the diesel range ("diesel range organics" or "DRO"), lead, cadmium, and zinc concentrations were greater than their respective screening levels (SLs) in soil; and chloroform and tetrachloroethene (PCE) concentrations exceeded their respective SLs in soil vapor.

More specifically, Ramboll's key findings included the following:

- Lead was detected in shallow soil samples (up to 3 feet bgs) at concentrations greater than the DTSC SL for Commercial/Industrial Soil (320 milligrams per kilogram [mg/kg] at the time of the Ramboll investigation[7]) at the original and step-out borings near the Warehouse and Maintenance building and in the east part of the Mobile Maintenance building (Figure 6 in Appendix B). However, lead concentrations in soil decreased with depth and distance from original borings.

- DRO was detected in shallow soil samples (up to 5 feet bgs) at concentrations greater than the United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL; 560 mg/kg) in original and step-out borings south of the Bundling Station and near the west boundary of Parcel 2 (Figure 6 in Appendix B). DRO concentrations in soil decreased with depth and distance from original borings.

- Groundwater has historically been measured at a depth of approximately 378 feet bgs in the on-Site water well. The investigations performed to date at the Site do not suggest that on Site operations have adversely impacted groundwater.

- Soil vapor data collected at the Site suggests that Site-wide vapor mitigation measures are not necessary. PCE and benzene were detected in shallow soil vapor (less than 35 feet bgs) at concentrations exceeding the DTSC SL for a commercial/industrial scenario using an attenuation factor of 0.03 (67 and 14 micrograms per cubic meter [$\mu g/m^3$], respectively) at shallow depths in the western portion of the Roll Mill and in the area of the Parts Warehouse at Parcel 3 (Figure 6 in Appendix B). Detections of PCE ranged from 10 to 100,000 $\mu g/m^3$ and benzene detections ranged from 29 to 220 $\mu g/m^3$; and

- Slag material was observed in several borings at depths ranging from 0 to 10 feet bgs and in thickness ranging between approximately 0.1 and 10 feet, primarily on the western, northern, and southwestern portions of the Site.

- Ramboll recommended that, in a redevelopment scenario, certain soils would need to be managed in compliance with California and federal law, due to encountered concentrations of lead, zinc, and/or cadmium in soil samples collected during their investigation.

2.3.2 Phase I Environmental Site Assessment (Roux, 2021)

Prior to acquisition of the Site by BTC III and as part of due diligence activities, Roux conducted a Phase I ESA of the Site in December 2021. The following RECs were identified:

- DRO and metals impacts to shallow soils in Parcels 2 and 3, and VOC impacts (primarily PCE) to shallow soil vapor in Parcel 3, as identified by Ramboll. This included SL exceedances in soil vapor for chloroform (three locations), benzene (two locations), and PCE (six locations) and in soil for DRO, cadmium and lead.

- Rail spurs at Parcels 2 and 3 were installed by at least 1959. Railroad spurs represent environmental concerns due to potential historical application of oils, herbicides, and arsenic for pest and weed

[7] The DTSC SL for lead in soil has been updated from 320 mg/kg to 500 mg/kg per the Human Health Risk Assessment (HHRA) Note Number 3, updated in May 2022 by the DTSC Human and Ecological Risk Office (HERO).

control, as well as the potential presence of creosote on the rail ties, and the historical practice of using coal cinders for track fill material, and hazardous spills.

- A 12,000-gallon dual-compartment diesel and gasoline underground storage tank (UST) at Parcel 3, north of the main office building.
- A former chemical storage area was located northwest of the melt shop on Parcel 2. Moderate staining and cracks were observed, and this area was not previously assessed.
- A wash rack located in the northern portion of Parcel 2. This area was not previously assessed.
- An inactive subsurface clarifier and aboveground oil recovery system in Parcel 4, which had not been previously assessed.
- Potential inactive on-Site USTs were identified in previous reports and regulatory agency records.

In addition to the RECs, Roux identified several historical RECs (hRECs), one controlled REC (cREC) and several other environmental features (OEFs) pertaining to the Site. The hRECs consist of the lead remediation area in Parcel 1, the former fuel oil USTs located in Parcel 3, slag trench remediation in Parcel 4, slag remediation area in Parcel 2, and former diesel UST on Parcels 2 and 4. The identified cREC is the pad 16 remediation area. The OEFs consist of the historical Site-wide agricultural use, the nearby DP Etiwanda Site, and the Site-wide buried slag material. Based on a review of historical environmental documents for the Site, Ramboll's investigation data, and RECs identified in the Phase I ESA, Roux recommended and conducted a Subsurface Investigation, as detailed in the following sections.

3. Subsurface Investigation Activities

The Subsurface Investigation was conducted in two mobilizations; the first from October to November 2021 and the second in March 2022. Mobilization 1 was performed prior to BTC III's purchase of the Site and the scope of work was focused on confirming Site environmental conditions prior to BTC III's ownership of the Site. Mobilization 2 was performed after BTC III became owner and the scope of work targeted delineation of PCE impacts to shallow soil and soil vapor at Parcel 3. All activities performed and detailed in this Report were conducted under the supervision of a registered California Professional Geologist or a registered California Professional Engineer.

3.1 Pre-Field Activities

Prior to the start of field activities, Roux prepared a Site-specific health and safety plan (HASP) to ensure worker safety. In addition to containing information regarding Roux's standard safety practices, the HASP describes potential hazards relating to Site activities and provides the locations and contact information of nearby emergency services. The HASP was kept on-Site when fieldwork occurred and was reviewed and signed by Site workers during the daily tailgate health and safety meeting prior to work each day.

Before each mobilization began, Roux performed a Site visit to mark areas intended for intrusive work. Work areas were marked in white paint along the Site boundaries, and Underground Service Alert of Southern California was notified at least 2 business days prior to the start of intrusive field activities. A private geophysical services and utility locating firm, Atlas Geophysics (Atlas) of San Diego, California, performed a geophysical survey to assess the proposed boring locations prior to each round of drilling. Atlas utilized a variety of tools, including mini ground penetrating radar, to assess locations of buried utilities (i.e., natural gas, electric, water, sewer, telephone, fiber optic, etc.) or obstructions in the area of each boring. Atlas did not identify any subsurface utilities or structures during the geophysical survey that would interfere with the proposed sampling locations and no proposed boring locations were modified.

3.2 Subsurface Investigation Procedures

Investigation procedures, including drilling, soil sampling, soil vapor probe installation, and soil vapor sampling, were generally consistent between Mobilizations 1 and 2. Those procedures are described in this section, and the specific scopes of work for each mobilization are described in Section 3.3.

3.2.1 Drilling and Soil Sampling Procedures

In Mobilizations 1 and 2, soil borings were drilled at the Site by C-57 licensed drillers under the direction of Roux. Borings were drilled using a truck mounted Geoprobe direct-push drill rig. All soil borings were hand augured to 5 feet bgs to minimize the risk of damage to unmarked or unidentified subsurface utilities.

Each soil boring was logged using United Soil Classification System (USCS). Soils were field screened using a photoionization detector (PID) at regular intervals. PID readings and general observations regarding material color and odor encountered at each boring were noted on boring logs. Boring logs can be found in Appendix A.

In the top 5 feet, soil samples were collected directly from the hand auger bucket. Soil samples from deeper than 5 feet bgs were collected directly from dedicated acetate liners. All soil samples were collected in laboratory supplied containers and samples selected for VOC analysis were collected using USEPA Method

5035 TerraCore sampling kits. All soil samples were transported under proper chain-of-custody procedures to Enthalpy Analytical, LLC (Enthalpy) of Orange, California, a California state-certified analytical laboratory. Laboratory analytical methods that were used are described below:

- Title 22 metals by USEPA method 6010B;
- Lead by USEPA method 6010B;
- VOCs by USEPA method 8260B with 5035 extraction;
- TPH (Gasoline Range Organics [GRO; C6 to C10], DRO [C10 to C28], and Oil Range Organics [ORO; C28 to C44]) by USEPA method 8015B;
- PCBs by USEPA method 8082;
- OCPs by USEPA method 8081;
- SVOCs by USEPA method 8270C; and
- Chlorinated herbicides by USEPA method 8151.

Drilling equipment was decontaminated with a solution of laboratory-grade detergent and rinsed with distilled water prior to reuse.

3.2.2 Soil Vapor Probe Installation and Sampling Procedures

All soil vapor probes were constructed with new stainless-steel filter probe tip with a 1/4-inch push-to-connect fitting attached to 1/4-inch-diameter Teflon tubing. The probes were constructed by first placing approximately 6 inches of #3 coarse-grained sand into the bottom of the borehole. The sampling tubing with the stainless-steel filter probe tip was then placed within the borehole with a length of polyvinyl chloride (PVC) pipe. Additional sand was then placed in the borehole to create an approximately 1-foot sand pack interval around the vapor tip. Approximately 1-foot of dry granular bentonite was placed on top of the sand pack, followed by hydrated bentonite to the surface. The tubing was labeled with depth of placement and capped using a gas-tight valve set to the "off" position. Each probe was completed with a 6-inch-diameter traffic rated well box. The soil vapor probes were installed in general accordance with the DTSC and Los Angeles Regional Water Quality Control Board and San Francisco Regional Water Quality Control Board Advisory – Active Soil Gas Investigations (Soil Gas Advisory; DTSC, 2015).

Prior to purging or sampling, a minimum 60-second shut-in test at a vacuum of 100 inches of water column was performed at each probe to confirm that the above-ground lines and three-way valves were properly sealed. As a secondary test, a leak check compound (LCC), 1,1-difluoroethane (1,1-DFA), was utilized to check for leaks during sampling and was included among the laboratory analyte list for soil vapor. Upon successful completion of the shut-in test, three purge volumes were subsequently extracted from the sampling system.

Soil vapor samples were collected in 1-liter laboratory supplied batch-certified SUMMA® canisters at a flow with 200 milliliters per minute (mL/min) flow controllers. Upon collection, each sample was immediately labeled with a unique sample identifier. Soil vapor samples were then transported under chain-of-custody to Enthalpy. Soil vapor samples were analyzed for VOCs by USEPA Method TO-15.

Drilling equipment was either dedicated to the sampling location (i.e., it was not reused), or was cleaned with a solution of laboratory-grade detergent and rinsed with distilled water prior to reuse. Soil vapor sampling equipment was not re-used between sampling locations or depth intervals.

Soil vapor probe construction is shown on boring logs (Appendix A).

3.3 Subsurface Investigation – Mobilization 1 (November 2021)

Mobilization 1 was implemented from October 27 through November 8, 2021. The work was intended to address RECs identified in Roux's Phase I ESA and build upon the results of Ramboll's Phase II investigation. In order to accomplish the objectives of the investigation, Confluence Environmental (C-57 License #913194), of Rio Linda, California, was contracted to drill 95 soil borings at the Site under the direction of Roux. Borings were drilled to depths up to 15 feet bgs. Activities included:

- Investigation of the extent of shallow soil lead and DRO exceedances in the vicinity of Ramboll borings RSB-02, RSB-03, RSB-05, and RSB-57 (Figure 6 and 7):
    - 7 samples were collected from three step-out borings at depths of 1, 3, and 5 feet bgs in the vicinity of Ramboll boring RSB-02-W and analyzed for lead;
    - 7 samples were collected from five step-out borings at depths of 1 and 3 feet bgs in the vicinity of Ramboll boring RSB-57 and analyzed for lead;
    - 10 samples were collected from five step-out borings at depths of 1 and 3 feet bgs in the vicinity of Ramboll borings RSB-03-E and RSB-03-S and analyzed for TPH; and
    - 10 samples were collected from seven step-out borings at depths of 1, 3, and 5 feet bgs in the vicinity of Ramboll boring RSB-05 and analyzed for TPH.
- Investigation of shallow soils in the former rail spurs located on Site (borings RR-1 through RR-19, Figures 6 and 7). 38 soil samples were collected from 20 borings at depths of 0.5 and 1.5 feet bgs and analyzed for metals, TPH, VOCs, PCBs, OCPs, SVOCs, and chlorinated herbicides.
- Investigation of the extent of impacted soil vapor in the areas where Ramboll reported elevated concentrations of benzene and PCE (in the vicinity of Ramboll borings RSB-28, RSB-29, RSB-30, RSB-38, RSB-53, RSB-54, RSB-60, and RSB-61, Figures 5 and 7). Soil vapor probes were installed at depths of 5, 10, and 15 feet bgs at 40 locations and samples were analyzed for VOCs. See Table 1 and Appendix A for soil vapor probe construction details.
- Investigation of soil conditions in the vicinity of the existing (at the time of the investigation) underground storage tank and dispenser at Parcel 3. The UST was formerly used to for storage of gasoline and diesel fuel. Two samples were collected at 1 and 3 feet bgs from one boring (SB-4, Figure 7) and analyzed for TPH.
- Investigation of soil conditions in the vicinity of the four former diesel USTs at Parcel 3 which were removed in 1993. Four soil samples were collected at depths of 1 and 3 feet bgs from two borings (SB-2 and SB-3, Figures 6 and 7)and analyzed for metals, VOCs, and TPH.
- Investigation of soil conditions in the drum storage area adjacent to the former 300-gallon diesel fuel UST on Parcel 2. During Site reconnaissance performed as part of the 2021 Phase I ESA, Roux

observed signage in the former drum storage area indicating it was previously used for storage of new and used oils. Two soil samples were collected at depths of 1 and 3 feet bgs from one boring (SB-1, Figure 6) and analyzed for metals, VOCs, and TPH.

- Investigation of soil conditions in the vicinity of the vehicle wash rack located in the northern portion of Parcel 2. Six soil samples were collected at depths of 1, 3, and 5 feet bgs from two borings (RSB-70-W and RSB-70-E, Figure 5) and analyzed for metals, VOCs, and TPH.

- Investigation of soil conditions in the vicinity of the former subsurface clarifier and aboveground oil recovery system in Parcel 4. Six soil samples were collected at depths of 1, 3, and 5 feet bgs from two borings (RSB-58-S and RSB-58-W, Figure 5) and analyzed for metals, VOCs, and TPH.

All Ramboll and Roux sample locations are shown on Figures 4 through 7, and soil and soil vapor sampling are summarized in the following sections. Refer to Table 1 for sampling rationale and soil vapor probe construction details for the Subsurface Investigation.

3.4 Subsurface Investigation – Mobilization 2 (March 2022)

Mobilization 2 was implemented in March 2022 after BTC became owner to further delineate the extent of VOC impacted soil and soil vapor at Parcel 3 (Figure 7). From March 2 through March 4, 2022, Cascade Drilling and Technical Services (Cascade; C-57 License #1058336), of Santa Ana, California, drilled 34 soil borings at the Site under the direction of Roux.

- Borings were drilled to depths between 15 and 35 feet bgs.

- Soil samples were collected at depths of 5, 15, and 35 feet bgs.

- Soil vapor probes were installed at the same locations and depths as soil samples.

- A total of 63 soil samples were collected and analyzed for VOCs by USEPA method 8260B.

- A total of 63 soil vapor samples were collected and analyzed for VOCs by USEPA Method TO-15.

All sample depths and laboratory analyses are summarized in Table 1. Soil vapor samples were collected on March 7 and 8, 2022, following a 48-hour equilibration period.

3.5 Soil Observations

Soil lithology observed during the Subsurface Investigation was generally consistent with previous investigations. PID screening measurements of soil samples collected ranged from 0.0 to 10.9 parts per million by volume (ppmv) above ambient background. No odor or staining was observed in soil samples. Groundwater was not encountered in this investigation to the maximum depth explored of 35 feet bgs. Slag was observed in some borings placed at the western portion of the Site during drilling. Soil boring logs are provided in Appendix A.

3.6 Investigation Derived Waste

Investigation derived waste (IDW) from Site activities included soils cuttings, concrete/asphalt, coring water, and decontamination water. IDW was stored in 55-gallon drums. Ten drums containing soil and seven drums containing rinsate water were generated and staged within the mobile maintenance warehouse at the

southern portion of Parcel 3. Drums were labeled and clearly marked with “pending analysis” labels. Roux collected samples to profile the soil drums and decontamination rinseate. The drums were transported as non-hazardous waste to Soil Safe in Adelanto, California (soil) and Crosby & Overton in Long Beach, California (water) on October 20, 2022, under proper manifest (Appendix C).

4. Subsurface Investigation Results

This section presents a summary of the findings of Roux's Subsurface Investigation. Results for detected analytes in soil and soil vapor are provided in Tables 2 through 9. Data from Ramboll's investigation are also included, where relevant. Analytical laboratory reports are provided in Appendix D.

4.1 Screening Levels

Soil analytical results were compared to the following soil screening levels:

- USEPA RSLs, dated May 2022 (USEPA, 2022);
- DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3 Screening Levels (DTSC SLs), dated May 2022 (DTSC, 2022);
- Petroleum hydrocarbon analytical results were compared to San Francisco Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs), dated January 24, 2019 (SFRWQCB, 2019);
- DTSC HERO HHRA Note Number 11 Southern California Ambient Arsenic Screening Level (DTSC, 2020); and
- Kearney Foundation Special Report, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, Background Concentrations of Trace and Major Elements in California Soil (Kearney, 1996).

Soil vapor analytical results were compared to soil vapor screening levels (SVSLs) which were calculated by applying an attenuation factor (AF) of 0.03 to the USEPA Industrial Indoor Air RSLs and DTSC Industrial Indoor Air SLs, in accordance with the February 2023 DTSC Supplemental Guidance: Screening and Evaluating Vapor Intrusion (Final Draft Supplemental Guidance; DTSC, 2023).

4.2 Analytical Results

4.2.1 TPH (DRO) in Soil (Parcels 2 and 3)

In 2020 and 2021, Ramboll collected soil samples in a sitewide grid to evaluate the extent of slag material at the Site (RSB-01 through RSB-24; Figure 4). TPH impacts were identified in a subset of those samples (RSB-03 and RSB-05). Step-out samples were subsequently collected and analyzed, but delineation was not completed. Based on those results, Roux drilled borings RSB-03-R1 through R5 and RSB-05-R1 through R7 to delineate observed TPH impacts in the vicinity of RSB-03 and RSB-05. TPH concentrations were compared to the SFRWQCB ESLs for commercial/industrial shallow soil exposure for GRO (1,800 mg/kg), DRO (1,200 mg/kg), and ORO (54,000 mg/kg). Boring locations in the vicinity of RSB-03 and RSB-05 are shown on Figures 8 and 9, respectively, and analytical results are presented in Table 4 and summarized below.

- **Borings RSB-03-R1 through R5:** Samples from Ramboll borings RSB-03 and RSB-03-E had reported DRO concentrations of 9,230 mg/kg and 4,500 mg/kg, respectively, at a depth of 1-foot bgs. In both borings, DRO concentrations in samples collected from 3 feet bgs were less than 10 mg/kg. In order to delineate DRO impacts, Roux collected ten soil samples from five borings (RSB-03-R1 through R5; Figure 8) at depths of 1 and 3 feet bgs and analyzed all the 1-foot samples for the full TPH carbon

chain range, with the 3-foot samples placed on hold pending results for the shallower sample set . All reported TPH concentrations in the gasoline and oil ranges were less than the SFRWQCB ESLs of 1,800 and 54,000 mg/kg, respectively. DRO was detected at concentrations greater than the SFRWQCB ESL in three samples; therefore, samples collected from 3 feet bgs were analyzed for DRO only. DRO concentrations were less than the SFRWQCB ESL in all samples from 3 feet bgs. Analytical results for DRO are summarized in the table below. Based on data collected to date in this area, vertical delineation is complete; however, additional lateral delineation is required to the southwest (RSB-03-R1), south (RSB-03-R2), and northeast (RSB-03-R5) of RSB-03.

Boring ID		RSB-03-R1	RSB-03-R2	RSB-03-R3	RSB-03-R4	RSB-03-R5
Direction relative to RSB-03		Southwest	South	Southeast	East	Northeast
		DRO concentration (mg/kg)				
Depth	1 ft bgs	**5,700**	**2,900**	650	740	**4,500**
	3 ft bgs	850	650	560	660	370

Note: Results in **bold text** exceed the SFRWQCB ESL of 1,200 mg/kg.

- **Borings RSB-05-R1 through R7:** Samples from Ramboll borings RSB-05, RSB-05-SSW, RSB-05-S2, and RSB-05-S had reported DRO concentrations that exceeded the SFRWQB commercial/industrial ESL of 1,200 mg/kg at 0.5- or 1-foot bgs. Additionally, the DRO concentration from a sample collected at 3 feet bgs in boring RSB-05-S also exceeded 1,200 mg/kg. In order to delineate DRO impacts, Roux collected thirteen soil samples from seven borings (RSB-05-R1 through R7; Figure 9). In all boring locations except RSB-05-R5 and RSB-05-R6, samples were collected at 1 and 3 feet bgs, with the deeper samples placed on hold pending results of the shallower sample set. At RSB-05-R6, a sample was collected at 1 foot bgs only. At RSB-05-R5, samples were collected at 5 and 10 feet bgs to obtain vertical delineation in the vicinity of Ramboll boring RSB-05-S, with the sample from 10 feet bgs placed on hold pending results of the shallower sample. Analytical results are summarized in the table below. While three samples from 1 foot bgs had DRO concentrations greater than the SFRWQCB ESL, all samples collected at 3 feet bgs and 5 feet bgs had concentrations less than the SFRWQCB ESL. Based on data collected to date in this area, further delineation is warranted, both laterally to the southwest (RSB-05-R1 and R2), south (RSB-05-S2), and southeast (RSB-05-R6) of RSB-05, and vertically at RSB-05-R6.

Boring ID		RSB-05-R1	RSB-05-R2	RSB-05-R3	RSB-05-R4	RSB-05-R5	RSB-05-R6	RSB-05-R7
Direction relative to RSB-05-S		West	South-west	South-west	South	South-east	South-east	East
		DRO concentration (mg/kg)						
Depth	1 ft bgs	**2,300**	**2,200**	1,000	440	--	**3,100**	52
	3 ft bgs	<10	20	<10	NA	--	NA	NA
	5 ft bgs	--	--	--	--	<10	--	--

Note: Results in **bold text** exceed the SFRWQCB ESL of 1,200 mg/kg. NA = not analyzed; -- = no sample collected at that depth/location.

Based on the results presented above, TPH impacts identified by Ramboll appear to be limited in aerial extent and depth. Further delineation and/or hot spot removal with confirmation soil sampling during redevelopment activities may be appropriate.

4.2.2 Metals in Soil (Parcels 2 and 3)

Ramboll's Phase II identified lead impacts in one of their sitewide grid boring locations (RSB-02) as well as in boring RSB-57, installed east of the former Mobile Maintenance Building in Parcel 3. Step-out samples were subsequently collected and analyzed but delineation was not completed. Based on those results, Roux drilled step-out borings RSB-02-R1 through -R3 and RSB-57-R1 through -R5 to delineate observed lead impacts. Boring locations in the vicinity of RSB-02 and RSB-57 are shown on Figures 10 and 11, respectively, and analytical results are presented in Table 2 and summarized below.

- **Borings RSB-02-R1 through R3:** Samples collected from 3 feet bgs in Ramboll borings RSB-02 and RSB-02-W contained lead concentrations greater than the DTSC SL of 500 mg/kg. Samples collected from those same borings from 1 and 5 feet bgs were below applicable SLs. Step-out samples collected by Ramboll to the north, east, and south provided horizontal delineation at these depths. In order to delineate lead impacts to the west, Roux collected nine soil samples from three borings (RSB-02-R1 through -R3) placed north, south, and west of RSB-02-W. Samples were collected at depths of 1 and 3 feet bgs, with deeper samples from 5 feet bgs placed on hold pending the results of the shallower data set. Sample results are summarized in the table below. Based on data collected to date in this area, vertical delineation is complete but further lateral delineation is warranted west (RSB-02-R2) of RSB-02.

• Boring ID		RSB-02-R1	RSB-02-R2	RSB-02-R3
Direction relative to RSB-02-W		South	West	North
		Lead concentration (mg/kg)		
Depth	1 ft bgs	10	120	34
	3 ft bgs	28	**1,700**	57
	5 ft bgs	NA	5.9	NA

Note: Results in **bold text** exceed the DTSC Commercial/Industrial Soil SL of 500 mg/kg. NA = not analyzed.

- **Borings RSB-57-R1 through R5:** Ramboll borings RSB-57, RSB-57-W, and RSB-57-S had reported lead concentrations in the 1-foot bgs samples greater than the DTSC Commercial/Industrial Soil SL of 500 mg/kg. In all three borings lead concentrations in samples collected from 3 and 5 feet bgs were less than the DTSC Commercial/Industrial Soil SL. In order to delineate lead impacts, Roux collected ten soil samples from five borings (RSB-57-R1 through R5) at depths of 1 and 3 feet bgs, with the deeper samples placed on hold pending the results of the shallower data set. Analytical results are summarized in the table below. Concentrations of lead were below the DTSC SL in all samples except at RSB-57-R4 (located south of RSB-57), where samples at both 1 and 3 feet bgs exceeded the DTSC SL. Based on data collected to date in this area, further vertical and lateral delineation is warranted south (RSB-57-R4) of RSB-57.

• Boring ID		RBS-57-R1	RSB-57-R2	RSB-57-R3	RSB-57-R4	RSB-57-R5
Direction relative to RSB-57		Northwest	West	Southwest	South	Southeast
		Lead concentration (mg/kg)				
Depth	1 ft bgs	7.4	170	94	**780**	330
	3 ft bgs	NA	NA	NA	**2,300**	9.1

Note: Results in **bold text** exceed the DTSC Commercial/Industrial Soil SL of 500 mg/kg. NA = not analyzed.

Ramboll's Phase II also identified cadmium impacts in boring RSB-43, installed east of the former Warehouse and Maintenance building in the southeast corner of Parcel 2 (Figure 10). The 1-foot bgs contained a cadmium concentration (105 mg/kg) greater than the DTSC Commercial/Industrial Soil SL of 79 mg/kg. This is delineated vertically by the 3-feet bgs sample in boring RSB-43, but is not delineated laterally. No additional sampling was conducted at RSB-43 by Roux during the Subsurface Investigation.

4.2.2 Rail Spur (Parcels 2 and 3)

Roux's Phase I ESA identified the on-Site railroad spurs as a REC. Due to the potential historical application of oils, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material, the on-Site rail spurs were considered a REC in the context of the Phase I ESA. To address this REC, shallow soil samples were collected from 19 borings (RR-1 through RR-19) placed along the rail spurs that encircle the southern half of Parcels 2 and all of 3 (Figure 12). Samples were collected from each boring at depths of 0.5 and 1.5 feet bgs and were analyzed for metals, VOCs, TPH, PCBs, OCPs, SVOCs, and chlorinated herbicides. Analytical results are summarized below.

- **Metals:** Arsenic concentrations exceeded the DTSC Commercial/Industrial Soil SL of 0.36 mg/kg in all samples but one (RR-16-.5), but all were less than the California Upper Confidence Limit background concentration of 12 mg/kg, with the exception of three samples (RR-12-.5, RR-12-1.5, and RR-14-.5), which were between 13 and 15 mg/kg. No other metals exceeded their respective DTSC SLs and/or USEPA RSLs (Table 2). Total chromium concentrations varied with a maximum concentration of 1,100 mg/kg in soil sample RR-3-0.5; total chromium does not have a corresponding DTSC Commercial/Industrial SL or USEPA RSL.

- **VOCs:** Four VOC constituents were detected in 18 of 28 rail spur soil samples. All VOC concentrations were less than their respective DTSC Commercial/Industrial SLs and/or USEPA RSLs (Table 3).

- **TPH:** GRO was not detected in any samples collected along the rail spurs. DRO and ORO were detected in 30 of 38 rail spur soil samples (Table 4). Concentrations of DRO in four samples from three borings (RR-5, RR-8, and RR-9) exceeded the SFRWQCB Commercial/Industrial ESL of 1,200 mg/kg. Detected concentrations of ORO were less than the Commercial/Industrial DTSC SL of 54,000 mg/kg.

- **Polychlorinated Biphenyls (PCBs):** 24 rail spur soil samples were analyzed for PCBs (Table 5). Aroclor-1260 was detected in three samples from two borings (RR-7 and RR-9) at concentrations below applicable SLs. Aroclor-1242 was detected in two samples from one boring (RR-3) at concentrations of 130 mg/kg (0.5 feet bgs) and 170 mg/kg (1.5 feet bgs), greater than applicable SLs.

- **Organochlorine Pesticides (OCPs):** One OCP, endrin ketone, was detected in one of 24 rail spur soil samples at 0.011 mg/kg (RR-7-0.5; Table 6). There are no established screening levels for this compound.

- **Semi-Volatile Organic Compounds (SVOCs):** SVOCs were detected at concentrations greater than laboratory reporting limits in 10 of 24 rail spur soil samples. Only one detection, benzo(a)pyrene in RR-12-1.5 (1.8 mg/kg), exceeded the DTSC Commercial/Industrial SL of 1.3 mg/kg (Table 7).

- **Chlorinated Herbicides:** Three of 24 rail spur soil samples contained detections of pentachlorophenol (PCP) at concentrations greater than laboratory reporting limits, but all concentrations were less than their respective USEPA Commercial/Industrial RSLs and DTSC SLs. No other chlorinated herbicides were detected (Table 8).

Based on the results presented above, further delineation is warranted in the vicinity of RR-3 (PCBs), RR-5 (DRO), RR-8 (DRO), RR-9 (DRO), RR-12 (arsenic and one SVOC), and RR-14 (arsenic). PCBs in the area of boring RR-3 were further investigated in November 2022 and May and June 2023 and were documented in a *Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls, Southeastern Corner of Parcel 3,* dated April 7, 2023, and *Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls near RR-3 and Recommended Additional Sampling, Southeastern Corner of Parcel 3* dated August 25, 2023. A Workplan for further delineation of limited shallow areas with metals, DRO, and/or SVOC screening level exceedances will be presented in the forthcoming Current Conditions Report, which will be submitted to DTSC in September 2023. Depending on the results of these investigations, hot spot removal with confirmation soil sampling during redevelopment activities may be appropriate.

4.2.3 Former Vehicle Wash Area (Parcel 2)

Two shallow soil borings (RSB-70-E and RSB-70-W, Figure 5) were drilled east and west of a former vehicle wash area at Parcel 2 to screen for metals, VOCs, and TPH associated with former operations in this area. Six soil samples were collected from borings RSB-70-E and RSB-70-W at depths of 1, 3, and 5 feet bgs. Concentrations of all metals were less than their respective screening criteria or background concentrations (Table 2). VOCs were not detected at concentrations greater than laboratory reporting limits in any samples (Table 3). DRO and ORO were detected in three of the samples at concentrations less than SFRWQCB Commercial/Industrial ESLs (Table 4). No impacts were identified associated with former operations in the vicinity of the former vehicle wash area.

4.2.4 Former Drum Storage Area (Parcel 2)

One shallow boring (SB-1, Figure 6) was drilled in a former drum storage area in Parcel 2 to a depth of 3 feet bgs. Samples were collected at depths of 1 and 3 feet bgs, and analyzed for metals, VOCs, and TPH. Eleven metals were detected at concentrations less than their respective screening criteria or background concentrations (Table 2). ORO was detected at 820 mg/kg at 1-foot bgs, which is less than the SFRWQCB Commercial/Industrial ESL. The only VOC constituent detected was tert-butyl alcohol (TBA), for which there is no established screening level. No impacts associated with former operations (storage of new and used oils) in the vicinity of the former drum storage area were identified.

4.2.5 Open Top Clarifier (Parcel 3)

Soil and soil vapor samples were collected to delineate PCE and benzene impacts around Ramboll borings RSB-28 and RSB-29, initially drilled, and sampled by Ramboll to assess potential leak/spills in the vicinity of a former open top clarifier, at the southwestern portion of Parcel 3 (Figure 7). Ramboll collected soil samples at various depths down to 30 feet bgs, which were analyzed for metals, VOCs, and TPH and soil vapor samples were collected from 5 and 30 feet bgs for VOC analysis. No impacts to soil were identified by Ramboll; however, benzene was detected in shallow (5-foot bgs) soil vapor samples at concentrations that

exceeded the DTSC Commercial/Industrial SL of 14 ug/m^3. No VOCs exceeded their respective SLs in the soil vapor samples collected at 30 feet bgs.

Nineteen step-out borings (RSB-28-R1 through -R8, RSB-29-R1 through -R9, and two borings at Ramboll locations RSB-28 and RSB-29) were drilled by Roux in the vicinity of RSB-28 and RSB-29 (Figure 7). Samples were collected for soil and soil vapor analysis as follows:

- **Soil:** Soil samples were collected at depths of 5 and 15 feet bgs borings RSB-28-R4 through -R8 and RSB-28-R4 through -R9 and analyzed for VOCs. No VOCs were detected at concentrations greater than laboratory reporting limits (Table 3).

- **Soil Vapor:** Thirty-one soil vapor samples (including 4 duplicates) were collected at depths of 5 and 15 feet bgs and analyzed for VOCs . Twenty VOC constituents were detected, however only benzene and PCE were detected at concentrations greater than the USEPA and/or DTSC SVSLs (Table 9, Figure 13 through 16).

Based on the results presented above, no VOC impacts to soil were identified. PCE and benzene impacts in soil vapor in the vicinity of Ramboll borings RSB-28 and RSB-29 are presented in Figures 13 through 16 and 19. PCE and benzene impacts have been delineated at 5 feet bgs (Figures 13 and 14), but have not been delineated at 15 feet bgs (Figures 15 and 16).

4.2.6 Mobile Maintenance Building and Former ASTs (Parcel 3)

Soil and soil vapor samples were collected to delineate PCE impacts around Ramboll borings RSB-30, RSB-60, and RSB-38 in the vicinity of the former mobile maintenance building, at the southern portion of Parcel 3 (Figure 7). RSB-30 and RSB-60 were initially drilled and sampled by Ramboll to assess potential soil and soil vapor impacts in the vicinity of the mobile maintenance building, and RSB-38 was drilled near the former ASTs south of the mobile maintenance building. Soil samples were collected by Ramboll at various depths up to 15-feet bgs. Soil vapor samples were collected from 5 and 15 feet bgs at boring RSB-30, and from 5-feet bgs at borings RSB-60 and RSB-38. All soil and soil vapor samples were analyzed for VOCs. No impacts to soil were identified by Ramboll; however, PCE concentrations in soil vapor exceeded the DTSC Commercial/Industrial SVSL of 67 µg/m^3 for all samples.

Twenty-one step-out borings (RSB-30-R1 through -R6, RSB-38-R1 through -R7, and RSB-60-R1 through -R8; Figure 7) were drilled by Roux in the vicinity of RSB-30, RSB-38, and RSB-60, as well as three additional borings (RSB-30, RSB-38, and RSB-60) installed in the vicinity of the original borings for vertical delineation. Samples were collected for soil and soil vapor analysis as follows:

- **Soil:** Eighteen soil samples were collected from a subset of borings (RSB-30-R4 through -R6, RSB-38-R4 through -R7, and RSB-60-R5, -R6, and R-8) at depths ranging from 5- to 35-feet bgs and analyzed for VOCs (Table 3). TBA was the only VOC detected at four locations ranging in concentration from 8.1 µg/kg (RSB-60-R8-15) to 19 µg/kg (RSB-60-R5-5; Table 3). No screening levels are established for TBA.

- **Soil Vapor:** Thirty-nine soil vapor samples (including 3 duplicates) were collected at depths ranging from 5 to 35 feet bgs and analyzed for VOCs. Benzene, chloroform, PCE, and TCE were detected at concentrations exceeding the USEPA and/or DTSC Commercial/Industrial SVSLs (Table 9) as summarized below:

- **Benzene:** Benzene was detected in 20 soil vapor samples, one of which exceeded the DTSC SVSL of 14 μg/m^3 (29 μg/m^3; RSB-60-R3 at a depth of 5 feet bgs).

- **PCE:** PCE was detected in all 39 soil vapor samples, 26 of which exceeded the DTSC SVSL of 67 μg/m^3. The maximum detected PCE concentration was 680 μg/m^3 in RSB-30-R3 at a depth of 5 feet bgs.

- **TCE:** TCE was detected in 29 soil vapor samples, five of which exceeded the DTSC SVSL of 100 μg/m^3. The maximum detected TCE concentration was 550 μg/m^3 in RSB-30-R6 at 35 feet bgs.

- **Chloroform:** Chloroform was detected in 14 soil vapor samples, four of which exceeded the USEPA SVSL of 18 μg/m^3. The maximum detected chloroform concentration was 86 μg/m^3 in RSB-30-R6 at 35 feet bgs.

Based on the results presented above, no VOC impacts to soil were identified. Figures 13 through 21 present interpreted extents of benzene, PCE, TCE, and chloroform in soil vapor at depths of 5, 15, and 35 feet bgs. Based on the results presented above, additional delineation of VOC impacts in the area of Ramboll borings RSB-30, RSB-38, and RSB-60 may be warranted, as further elaborated below:

- **5 feet bgs:** PCE and benzene were both detected at concentrations greater than regulatory screening criteria (67 and 14 μg/m^3, respectively) at five feet bgs. Additional delineation of PCE at 5 feet bgs is needed to the west of RSB-60-R4 and RSB-60-R5 (Figure 13). Benzene impacts at 5 feet bgs are fully delineated laterally (Figure 14). There were no exceedances of TCE or chloroform from samples collected at 5 feet bgs in Parcel 3.

- **15 feet bgs:** PCE, TCE, and chloroform were detected at concentrations greater than regulatory screening criteria (100 μg/m^3 for TCE and 18 μg/m^3 for chloroform) at 15 feet bgs in Parcel 3. PCE is not delineated to the west of borings RSB-30-R3, RSB-30-R4, and RSB-60-R5 (Figure 15). TCE is not delineated east of boring RSB-60-R6 (Figure 17). Chloroform is not delineated west of RSB-30-R4 (Figure 18). There were no exceedances of benzene in the vicinity of RSB-30, RSB-38, and RSB-60 at 15 feet bgs (Figure 16).

- **35 feet bgs:** At 35 feet bgs, PCE, TCE, and chloroform were detected at concentrations greater than regulatory screening criteria. PCE is not delineated to the west, northwest, and east of RSB-60-R8, to the south and west of RSB-30-R6 (Figure 19). TCE and chloroform are not delineated to the south, east, and west of RSB-60-R8, RSB-30-R6, and RSB-38-R7 as well as vertically at each of those locations (Figures 20 and 21). There were no exceedances of benzene at 35 feet bgs.

4.2.7 Parts Warehouse (Parcel 3)

Ramboll drilled borings RSB-53 and RSB-54 near the former Parts Warehouse in the northern portion of Parcel 3. Soil samples were collected from 1, 3, and 5 feet bgs and soil vapor samples were collected from 5 feet bgs; all samples were analyzed for VOCs. PCE was detected at low concentrations in the 1- and 5-feet bgs soil samples from boring RSB-54. PCE concentrations in soil vapor at both locations exceeded the DTSC Commercial/Industrial SVSL of 67 μg/m^3. The reported PCE soil vapor concentration in the 5-foot probe at RSB-54 was 100,000 μg/m^3. Ramboll resampled the 5-foot probe at RSB-54 and the reported PCE concentration was 30,000 μg/m^3.

Based on the above, Ramboll drilled multiple step-out borings at RSB-54 with soil vapor probes at 5, 15, and 35 feet bgs (15 probes total); all samples were analyzed for VOCs. Laboratory results showed detectable PCE in all vapor samples, with 14 of 15 greater than the DTSC SVSL of 67 $\mu g/m^3$.

Twenty-six step-out borings (RSB-53-R1 through -15; RSB-54-E1 through -E4; RSB-54-N-R1 through -R3; RSB-54-NE; RSB-54-S1 through -S2; and RSB-SE; Figure 7) were drilled by Roux in the vicinity of RSB-53 and 54, as well as one additional borings (RSB-53) installed in the vicinity of the original boring for vertical delineation. Samples were collected for soil and soil vapor analysis as follows:

- **Soil:** Twenty-six soil samples were collected and analyzed for VOCs from the same depths as corresponding soil vapor probes. Depths for sample collection included 5, 15, and/or 35 feet bgs; all samples were analyzed for VOCs. Laboratory results only showed the VOC constituent TBA at 5 locations and at low concentrations (maximum was 23 $\mu g/kg$). There are no established screening levels for TBA.

- **Soil Vapor:** Forty-four soil vapor samples (including 2 duplicates) were collected at depths of 5, 15, and/or 35 feet bgs and analyzed for VOCs. A total of 20 VOC analytes were reported, but only PCE and TCE were detected at concentrations exceeding the USEPA and/or DTSC Commercial/Industrial SVSLs:

    - **PCE:** PCE was detected in all 44 soil vapor samples, 24 of which exceeded the DTSC SVSL of 67 $\mu g/m^3$. The maximum detected PCE concentration was 2,500 $\mu g/m^3$ in RSB-54-E1 at a depth of 15 feet bgs.

    - **TCE:** TCE was detected in 25 soil vapor samples, two of which exceeded the DTSC SVSL of 100 $\mu g/m^3$. The maximum detected TCE concentration was 520 $\mu g/m^3$ in RSB-54-SE at 35 feet bgs.

Based on the results presented above, no VOC impacts to soil were identified. Figures 13 through 21 present interpreted extents of benzene, PCE, TCE, and chloroform in soil vapor at depths of 5, 15, and 35 feet bgs. Based on the results presented above, additional delineation of VOC impacts in the area of Ramboll borings RSB-53 and RSB-54 may be warranted as elaborated below:

- **5 feet bgs:** PCE was detected at concentrations greater than regulatory screening criteria (67 $\mu g/m^3$) at five feet bgs (Figure 13), with additional delineation needed to the west and southwest of RSB-53-R5 and RSB-53-R8 (Figure 14). There were no exceedances of benzene, TCE or chloroform from samples collected at 5 feet bgs in the vicinity of RSB-53 and RSB-54.

- **15 feet bgs:** PCE was detected at concentrations greater than regulatory screening criteria at 15 feet bgs. PCE is not delineated southwest of boring RSB-53-R8 (Figure 15). There were no exceedances of benzene, TCE or chloroform from samples collected at 15 feet bgs in the vicinity of RSB-53 and RSB-54.

- **35 feet bgs:** PCE and TCE were detected at concentrations greater than regulatory screening criteria (100 $\mu g/m^3$ for TCE) at 35 feet bgs. PCE is not delineated to the north, west and south of RSB-54-N, RSB-53-R15, RSB-53-R14, and RSB-54-W as well as vertically at those locations and RSB-54-E3 (Figure 19). TCE lacks delineation to the east and south of RSB-54-SE as well as vertically there and

at RSB-54-E3 (Figure 20). There were no exceedances of benzene or chloroform from samples collected at 35 feet bgs in the vicinity of RSB-53 and RSB-54.

4.2.8 Former 1993 UST Footprint (Parcel 3)

Two shallow soil borings (SB-2 and SB-3) were placed within the excavation footprint (east and west ends) at a former fuel UST, which had been removed in 1993 (Figure 6). The objective of the sampling was to evaluate the backfill for metals, VOCs, and TPH; therefore, soil samples were collected from depths of 1 and 3 feet bgs at each boring. Concentrations of all metals were less than their respective screening criteria or background concentrations (Table 2). There were only two VOCs analytes detected, TBA and benzene, both at low concentrations. TBA does not have a screening level, but the reported benzene concentration was less than its USEPA RSL and DTSC SL (Table 3). DRO and ORO were detected in all four samples at concentrations less than the SFRWQCB Commercial/Industrial ESLs (Table 4). Based on the above results, no impacts associated with the backfill material for the former 1993 UST were identified.

4.2.9 UST and Dispenser (Parcel 3)

One shallow soil boring (SB-4) was drilled within the tank pit and adjacent to a former 12,000 gallon dual-compartment diesel and gasoline UST, which has since been removed, but which was formerly located at the northwestern portion of Parcel 3 (Figure 7). The UST had a dispenser directly over top and the objective was to evaluate whether the dispenser and associated piping may have leaked. Soil samples were collected at 1 and 3 feet bgs and analyzed for TPH. Laboratory results did not show DRO or ORO at concentrations greater than the SFRWQCB Commercial/Industrial ESLs. Based on these results, no impacts associated with the UST and dispenser were identified. The UST was removed in December 2022 and the San Bernardino County Fire Protection District issued a closure let er for the UST on July 18, 2023.

4.2.10 Clarifier & Oil Recovery System South of Maintenance Shop (Parcel 4)

Ramboll drilled two borings, RSB-58, and RSB-59, in the vicinity of an inactive subsurface clarifier and aboveground oil recovery system in Parcel 4 (Figure 5). Soil samples were collected down to 15 feet bgs and analyzed for TPH, metals, and VOCs; soil vapor samples were collected from RSB-59 from 5 and 15 feet bgs and analyzed for VOCs. VOCs were detected in soil and soil vapor samples below applicable screening criteria. None of the metals concentrations in soil exceeded their respective screening levels or background; TPH was not detected above laboratory reporting levels.

To provide additional shallow lateral coverage, Roux drilled two shallow soil borings (RSB-58-S and RSB-58-W) south and west of RSB-58. Soil samples were collected from each boring at depths of 1, 3, and 5 feet bgs; all samples were analyzed for metals, VOCs, and TPH. Concentrations of all detected metals were less than their respective screening criteria or background concentrations (Table 2). VOC concentrations were less than the laboratory reporting limits (Table 3). DRO and ORO were detected at 1-foot bgs in two sample locations at concentrations less than their respective SFRWQCB Commercial/Industrial ESLs (Table 4).

Based on these results, no impacts associated with the inactive clarifier and oil recovery system were identified.

4.3 Quality Control and Data Validation and Verification

4.3.1 Field Sample Collection Quality Control

Two trip blanks were included in each cooler containing soil samples to be analyzed for VOCs to confirm that cross-contamination did not occur during sample transportation. Samples were labeled TB-01 and TB-02 and were analyzed for VOCs. Neither sample contained detectable concentrations of any VOC analytes.

Four soil vapor duplicate samples and seven soil vapor duplicate samples were collected during the November 2021 and March 2022 investigations, respectively. Duplicate samples were collected at RSB-28-15, RSB-29-15, RSB-30-R1-15, RSB-38-15, RSB-28-R8-15, RSB-29-R4-5, RSB-30-R4-5, RSB-53-R13-15, RSB-54-NE-35, RSB-60-R5-5, and RSB-60-R5-15. All duplicate samples were within a 30% relative precent difference (RPD) from respective parent samples except for RSB-38-15-DUP for TCE, RSB-29-R4-5-DUP for acetone and isopropanol, RSB-30-R4-5-DUP and RSB-60-R5-5-DUP for acetone, RSB-54-NE-35-DUP for isopropanol and RSB-60-R5-15-DUP for acetone and 2-butanone. In each of these cases, the primary and duplicate sample detections were at trace concentrations or non-detect and the difference between the samples was less than one order of magnitude and the data can be considered reliable.

The leak check compound (LCC), 1,1-DFA, was detected in four soil vapor samples (RSB-54-S1-5, RSB-29-R5-5, RSB-38-R4-5, and RSB-60-R6-5). According to the Soil Gas Advisory, "If the concentration of the [liquid] leak check compound is greater than or equal to 10 times the reporting limit for the target analyte(s), then corrective action is necessary" (DTSC, 2015). Detected concentrations of 1,1-DFA were less than the RL provided by the laboratory, except for RSB-60-R6-5 (1,100 µg/m^3). Therefore, the data for RSB-54-S1-5, RSB-29-R5-5, and RSB-38-R4-5, are usable for their intended purpose. However, data reported for RSB-60-R6-5 may not be reliable for its intended purpose.

The case narratives in some of the laboratory reports from Mobilization 1 noted that numerous samples required dilution due to the dark color of sample extracts for soils or elevated non-target analytes present in soil vapor samples. Roux discussed this with the laboratory and was told that the dark color is most likely due to organic material in the samples and non-target petroleum hydrocarbon compounds for soils and soil vapor, respectively. The laboratory also stated that when a dark color is observed in certain samples, the sample will be diluted as a precaution to not clog the laboratory equipment. All samples having a dark sample extract or containing non-target compounds were reanalyzed to the method detection limit (MDL) and flagged accordingly. In some limited instances the revised reporting limits exceeded the screening levels, particularly for some of the soil vapor samples. However, this factor did not affect the results of the investigation.

4.3.2 Laboratory Quality Control Samples

Laboratory QC samples included matrix spikes and matrix spike duplicates (MS/MSD) to provide information to assess the precision and accuracy of the analysis of the target parameters within the environmental media collected at the Site. The MS portion of the sample is an aliquot of a sample that is spiked (by the laboratory) with a known concentration of the target analyte(s), which provides a measure of the method accuracy. The MSD portion of the sample is a laboratory split sample of the MS and is used to evaluate the precision of the analysis. Appendix D provides all laboratory reports including QC data.

4.3.3 Data Validation and Verification

A Stage 1 data validation was performed by Roux as defined by USEPA's *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use*, dated January 2009 (USEPA, 2009). Data validation was performed in accordance with the guidelines presented in and USEPA's *National Functional Guidelines for Inorganic Superfund Methods Data Review,* dated January 2017 (USEPA, 2017a) and USEPA's *National Functional Guidelines for Organic Superfund Methods Data Review*, dated January 2017 (USEPA, 2017b). Stage 1 validation includes verification based on "completeness and compliance checks of sample receipt conditions and only sample-related QC results."

Sample analyses were found generally compliant with the method requirements, and the sample data, with the possible exception of RSB-60-R6-5, were determined to be useable, with qualification of some sample results/detection limits as quantitatively estimated ("b" qualifier). Samples with high dilution and analyzed to the lab MDLs were flagged with a "J" qualifier. All data were considered useable for their intended purpose.

5. Summary and Conclusions

Roux implemented a Subsurface Investigation in two mobilizations at the Site to build on Ramboll's investigations and to address RECs identified by Roux in a Phase I ESA. The objectives of the investigations were met, and the bullet list below provides a summary of the investigation results.

- Metals, DRO, and one SVOC (RR-12 only) are present in shallow soils at localized areas of the Site.
- VOC concentrations in soil across the Site were either non-detect or detected at concentrations less than their respective DTSC SLs or USEPA RSLs in all samples.
- Soil vapor analytical results indicate that PCE, TCE, benzene, and chloroform are present at concentrations greater than their respective SVSLs in a small portion of Parcel 3. PCE and benzene impacts are highest in concentration between 5 and 15 feet bgs, with significant attenuation at 35 feet bgs.
- Limited impacts from PCBs in the vicinity of RR-3 are being investigated as documented in a separate Technical Memorandum[8].
- Physical distribution and chemical makeup of slag materials has been investigated and are documented in a separate Technical Memorandum[9].

[8] *Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls near RR-3 and Recommended Additional Sampling, Southeastern Corner of Parcel 3*, dated August 25, 2023.

[9] *Slag Investigation Technical Memorandum* dated April 7, 2023, and revised August 25, 2023.

6. Recommendations

Site data confirm that industrial redevelopment of the Site is feasible; however, additional environmental investigations and remedial evaluation will be necessary prior to initiation of Site development activities. Roux provides the following recommendations, some of which have been implemented, as summarized below:

1. Additional shallow soil sampling to define DRO and metals impacts at Parcels 2 and 3, and SVOC impacts at Parcel 3. The additional sampling will be presented in the forthcoming Current Conditions Report.

2. Additional soil vapor delineation and evaluation of soil vapor extraction (SVE) as a remedial alternative for shallow soil vapor VOC impacts to Parcel 3.

   An SVE pilot test was performed on July 15 and 16, 2022, to evaluate SVE as a potentially viable full-scale remedial technology for cleanup of VOCs (namely PCE and benzene) at Parcel 3. Roux prepared a SVE Pilot Test technical memorandum (TM), dated October 4, 2022, to document SVE pilot testing activities conducted on July 15 and 16, 2022 at the Site. The SVE Pilot Test TM provides the technical details, rationale, and results of the pilot testing activities conducted at the Site, including SVE well installation on June 24, 2022. Based on the results of the SVE pilot test, SVE was confirmed as an effective technology for remediation of VOC-impacted soil vapor at the Site.

   Additional soil vapor sampling to complete delineation of VOC impacts to soil vapor in Parcel 3 and an SVE Extended Pilot Test to be performed over a larger area and at multiple depth horizons has been presented in a Soil Vapor Delineation and Soil Vapor Extraction Extended Pilot Test Workplan, submitted to DTSC on September 1, 2023.

3. Additional sampling at the rail spurs to delineate the extent of PCB impacts.

   A shallow soil investigation was conducted on November 10, 2022, and targeted a small area in the vicinity of RR-3. Based on the results of PCB sampling, Roux concluded that PCB impacts at the Site do not appear to be significant and/or widespread. Roux prepared a TM, dated April 7, 2023, to document the targeted soil investigation procedures and findings. Additional investigation was conducted in May and June 2023, and further delineation has been proposed, as documented in a subsequent TM dated August 25, 2023.

4. Evaluation of slag materials along the western portion of the Site.

   Pothole and trenching investigation and sampling activities were conducted at the Site between September 14 and October 11, 2022. The slag investigations were performed to further assess the distribution, as well as the physical and chemical characteristics of subsurface slag at the Site. Based on the results of the slag investigation, the distribution and thickness of slag materials are well understood, as are the physical characteristics of slag and slag materials. Leachability analysis performed by Roux and Ramboll at locations with the highest concentrations of metals indicated that slag materials do not have a significant leaching potential, with only one location (Ramboll location RSB-02) exceeding STLC or TCLP limits. Roux prepared a Slag Investigation TM, dated April 7, 2023, to document the slag investigation procedures and findings.

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TABLES

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Table 1
Sampling Analysis Plan
12451 Arrow Route, Rancho Cucamonga, California

Location	Current Borings	Boring Dates	Historical Borings	Scope of Work	Soil Sample Depth (feet bgs)	Analytical Suite	Soil Vapor Probe Depth (feet bgs)	Rationale
24 locations in a sitewide grid	RSB-01 to RSB-24	12/2020 - 02/2021	NA	Each boring to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Evaluation of the extent of slag material at the site. Parcel 1 and 2 in the southwestern corner of the Site, including areas of adjacent neighboring properties, were remediated for lead impacts. This area received a NFA status from the RWQCB-SA on November 7, 1990. As a result of these activities, the Site is listed in the SLIC database with closed status.
3 locations N, S, and W of RSB-02-W	RSB-02-R1 to R3	11/2021	RSB-02-W	Delineation of lead impacts around RSB-02-W	1, 3, 5 (R2 only)	Lead	-	Delineation of shallow lead impacts in Parcel 2
5 locations N, S, and E of RSB-03-E and W and S of RSB-03-S	RSB-03-R1 to R5	11/2021	RSB-03-E and -S	Delineation of TPH impacts around RSB-03	1, 3	TPH	-	Delineation of shallow TPH impacts in Parcel 3
7 locations N, S, E, and W of RSB-05-S	RSB-05-R1 to R7	11/2021	RSB-05, -SCL, -S, -SSW, -S2, and -SSE	Delineation of TPH impacts around RSB-05	1, 3, 5 (R5 only)	TPH	-	Delineation of shallow TPH impacts in Parcel 2
Pad 16 remediation area (orange hatched area on Figure 2)	RSB-18		A, B, C borings (no data?)	Grid sampling will cover shallow depths. One grid sample located within this area (approximate location).	No additional samples	-	-	One sample of the 24 grid samples is located in the former Pad 16 area.
One boring between emergency generator & approximate location of the former diesel UST (Figure 6)	RSB-25		TAMCO-1 (high diesel conc at 6.5 feet)	1 boring to a depth of to 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	One soil sample was collected from beneath the excavation, at a depth of approximately 6.5 feet bgs. The sample was analyzed for TPHd via USEPA Method 8015B and BTEX via USEPA Method 8260B. TPHd was detected at a concentration of 1,720 mg/kg, ethylbenzene was detected at a concentration of 57 µg/kg, and xylenes were detected at a concentration of µg/kg. Benzene, toluene, and other fuel oxygenates were not detected. The excavation was subsequently backfilled with concrete slurry.
One boring at stormwater infiltration channel (Figure 7)	RSB-26		NA*	1 boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs. Vapor probes at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near active fuel UST (Figure 7)	RSB-27		NA*	1 boring to a depth of 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two borings (one at north end & one at south end) near open top clarifier in Parcel 3 (Figure 7)	RSB-28, RSB-29	12/1/2020	NA	2 borings to 30 feet bgs, one on north end and one on south end. Vapor probes at 5 & 30 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15 19.5-20 24.5-25 29.5-30	Metals, VOCs & TPH	5, 30	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One soil vapor boring adjacent to RSB-28	RSB-28	12/2020	RSB-28	1 boring to 15 feet	NA	VOCs	15	Evaluate 15 foot sample at RSB-28 in Parcel 3
Three step-out soil vapor borings NW, NE, and SW of RSB-28	RSB-28-R1 to R3	11/2021	RSB-28	3 borings to 5 feet bgs	NA	VOCs	5	Delineate benzene and PCE impacts around RSB-28 in Parcel 3
Five step-out soil vapor borings N, S, E, and W of RSB-28	RSB-28-R4 to R8	3/2022	RSB-28	5 borings to 15 feet bgs	5, 15 (R8 only 15)	VOCs	5, 15 (R8 only 15)	Delineate benzene and PCE impacts around RSB-28 in Parcel 3
One soil vapor boring adjacent to RSB-29	RSB-29	12/2020	RSB-29	1 boring to 15 feet	NA	VOCs	15	Evaluate 15 foot sample at RSB-29
Three step-out soil vapor borings N, S, and W of RSB-29	RSB-29-R1 to R3	11/2021	RSB-29	3 borings to 5 feet bgs	NA	VOCs	5	Delineate benzene and PCE impacts around RSB-29 in Parcel 3
Six step-out soil vapor borings N, S, E, and W of RSB-29	RSB-29-R4 to R9	3/2022	RSB-29	6 borings to 15 feet bgs	5, 15 (R8 and R9 only 15)	VOCs	5, 15 (R8 and R9 only 15)	Delineate benzene and PCE impacts around RSB-29 in Parcel 3
Two borings within mobile maintenance building in Parcel 3 (Figure 7)	RSB-30, RSB-60	12/2020 - 1/2021	NA	2 borings, one boring near drain to 15 feet bgs, one boring near broken asphalt to 5 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10	Metals, VOCs & TPH	5, 15 (RSB-60 only 5)	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Three step-out soil vapor borings E, S, and W of RSB-30	RSB-30-R1 to R3	11/2021	RSB-30	3 borings to 5 feet bgs	NA	VOCs	5, 15	Delineate PCE impacts around RSB-30 in Parcel 3
Two step-out soil vapor borings NW and SW of RSB-30	RSB-30-R4 and R5	3/2022	RSB-30	6 borings to 15 feet bgs	5, 15	VOCs	5, 15	Delineate PCE impacts around RSB-30 in Parcel 3
One deep soil vapor boring adjacent to RSB-30	RSB-30-R6	3/2022	RSB-30	1 boring to 35 feet bgs	35	VOCs	35	Delineate PCE impacts around RSB-30 in Parcel 3
Two step-out soil vapor borings NW and NE of RSB-60	RSB-60-R5 and R6	3/2022	RSB-60	2 borings to 15 feet bgs	5, 15	VOCs	5, 15	Delineate PCE impacts around RSB-60 in Parcel 3
One deep soil vapor boring adjacent to RSB-60	RSB-60-R8	3/2022	RSB-60	1 boring to 35 feet bgs	15, 35	VOCs	35	Delineate PCE impacts around RSB-60 in Parcel 3
One boring at hazardous waste storage, near east most building on Parcel 3 (Figure 7)	RSB-31		NA*	1 boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near inside/outside area of large building in SW portion, vicinity of cooling water channel (Figure 6)	RSB-32		NA*	1 boring to a depth of 30 feet bgs. Hand auger to 5 feet bgs, then direct push to 30 feet bgs. Vapor probes at 5 & 30 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15 19.5-20 24.5-25 29.5-30	Metals, VOCs & TPH	5, 30	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near approximate location of former diesel USTs (Figure 7)	RSB-33		TM-1 to TM-8 (TPHs analyzed only at 16 feet bgs)	1 boring to a depth of 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Based on historical review conducted as part of Ramboll's 2020 Phase I ESA, four approximately 12,000-gallon USTs on Parcel 3, formerly used to store fuel oil were removed from the Site in 1993. (There are some discrepancies as to the size of these tanks, which are sometimes reported with a volume or 50,000 gallons each and sometimes listed with a collective volume of 50,000 or 52,000 gallons). Soil samples from the excavation were collected and tested, and the removal of the USTs and remediation of the excavation area received a NFA status from the Health Department dated April 28, 1994.
Two borings in slag trench remediation area on parcel 4 (yellow hatched area on Figure 5)	RSB-34, RSB-35		B borings	2 borings to depths of 25 feet bgs. Hand auger to 5 feet bgs, then direct push to 25 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15 19.5-20 24.5-25	Metals, VOCs & TPH	-	On December 20, 2001, the DTSC issued a letter to Fontana Steel indicating that it had completed its review of the 2001 PEA. The soil sampling and analysis results had been compared to health-based criteria for unrestricted land use for 17 metals. DTSC concluded that "the Site does not appear to pose a threat to human health or the environment under any land use," and concluded that no further action was necessary.

Table 1
Sampling Analysis Plan
12451 Arrow Route, Rancho Cucamonga, California

Location	Current Borings	Boring Dates	Historical Borings	Scope of Work	Soil Sample Depth (feet bgs)	Analytical Suite	Soil Vapor Probe Depth (feet bgs)	Rationale
Two borings in slag remediation area in central portion of Parcel 2 (pink hatched area in Figures 5 and 6)	RSB-36, RSB-37		Exact sampling locations unclear. S (1-10) samples	2 borings to depths of 10 feet bgs. Hand auger to 5 feet bgs, then direct push to 10 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10	Metals, VOCs & TPH	-	A letter from the County Fire Department dated July 2, 2002 indicated that after reviewing the June 2001 report submitted by Clayton Group Services, Inc. (not available for Ramboll's review), "No Further Action" was necessary regarding the remediation of slag and non-slag stockpile at the Site.
One boring near ASTs south of mobile maintenance building in Parcel 3 (Figure 7)	RSB-38	12/1/2020	NA	1 angled boring under AST to 5 feet bgs. Vapor probe at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5	The area in the vicinity of the ASTs located south of the Mobile Maintenance building at the Site on Parcel 3 exhibited significant staining.
One soil vapor boring adjacent to RSB-38	RSB-38	11/2021	RSB-38	1 boring to 15 feet	NA	VOCs	15	Evaluate 15 foot sample at RSB-38
Three step-out soil vapor borings N, S, and E of RSB-38	RSB-38-R1 to R3	11/2021	RSB-38	3 borings to 5 feet bgs	NA	VOCs	5	Delineate PCE impacts around RSB-38 in Parcel 3
Two step-out soil vapor borings NW and SW of RSB-38	RSB-38-R4 and R6	3/2022	RSB-38	3 borings to 15 feet bgs	5, 15	VOCs	5, 15	Delineate PCE impacts around RSB-38 in Parcel 3
One deep soil vapor boring adjacent to RSB-38	RSB-38-R7	3/2022	RSB-38	1 boring to a depth of 35 feet bgs	35	VOCs	35	Delineate PCE impacts around RSB-38 in Parcel 3
One boring near stormwater channel in the southwest portion of site (Figure 6)	RSB-39		NA*	1 boring to a depth of 5 feet bgs from bottom of channel. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Five borings near cooling towers (one at each) in south-southwest portion of site (Figure 6)	RSB-40, RSB-41, RSB-42, RSB-45, RSB-62		NA*	5 borings to depth of 5 feet bgs, one at each cooling tower. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals & Cr VI	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two borings near clarifiers by baghouse, one near each clarifier (Figure 6)	RSB-43, RSB-44		NA*	2 borings to a depth of 15 feet bgs, one at each clarifier. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15 5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two borings near wash station (east and west sides) (Figure 7)	RSB-46, RSB-47		NA*	2 borings to a depth of 5 feet bgs, one at east end and one at west end. Hand auger to 5 feet bgs. Vapor probe at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5 5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Four borings in main production line building - green circles near features (Figure 7)	RSB-48, RSB-49, RSB-50, RSB-52		NA*	4 borings to a depth of 5 feet bgs. One by PCB material storage, one by hazardous material storage, 2 borings on north & south sides of the production line. Hand auger to 5 feet bgs. Vapor probes at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs, & TPH, (PCBs only at PCB storage)	5 5 5 5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring in roll shop south of main production line building (Figure 7)	RSB-51		NA*	1 boring to a depth of 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two borings within building in central portion of Parcel 3 (Figure 7)	RSB-53, RSB-54	12/1/2020	NA	2 borings to 5 feet bgs. Vapor probes at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Five step-out borings adjacent to RSB-54 (Figure 7)	RSB-54-CL, -E, -N, -S, -W	2/1/2021	NA	5 borings to 35 feet bgs, vapor probes at 5, 15, and 35 feet bgs.	NA	VOCs	5, 15, 35	Delineate PCE impacts around RSB-54 in Parcel 3
One soil vapor boring adjacent to RSB-53	RSB-53	11/2021	RSB-53	1 boring to 15 feet	NA	VOCs	15	Evaluate 15 foot sample at RSB-53
Seven step-out soil vapor borings N, S, E, and W of RSB-53	RSB-53-R1 to R7	11/2021	RSB-53	7 borings to 5 feet bgs	NA	VOCs	5	Delineate PCE impacts around RSB-53 in Parcel 3
Six step-out soil vapor borings N, W, and S of RSB-53	RSB-53-R8 to R13	3/2022	RSB-53	6 borings to 15 feet bgs	5, 15 (R11 and R12 only 15)	VOCs	5, 15 (R11 and R12 15 only)	Delineate PCE impacts around RSB-53 in Parcel 3
Two deep soil vapor borings E and W of RSB-53	RSB-53-R14 and R15	3/2022	RSB-53	2 borings to 35 feet bgs	15 and 35 (R14 only 35)	VOCs	15 and 35 (R14 only 35)	Delineate PCE impacts around RSB-53 in Parcel 3
Two step-out soil vapor borings E of RSB-54-E	RSB-54-E1 and E2	11/2021	RSB-54-E	2 borings to 15 feet bgs	NA	VOCs	5, 15	Delineate PCE impacts around RSB-54 in Parcel 3
One deep step-out soil vapor borings E of RSB-54-E	RSB-54-E3	3/2022	RSB-54-E	1 boring to 35 feet bgs	35	VOCs	35	Delineate PCE impacts around RSB-54 in Parcel 3
One deep step-out soil vapor borings E of RSB-54-E	RSB-54-E4	3/2022	RSB-54-E	1 boring to 35 feet bgs	5, 15, 35	VOCs	5, 15, 35	Delineate PCE impacts around RSB-54 in Parcel 3
Three step-out soil vapor borings W and N of RSB-54-N	RSB-54-E1 and E2	11/2021	RSB-54-N	2 borings to 15 feet bgs	NA	VOCs	15	Delineate PCE impacts around RSB-54 in Parcel 3
Two borings in lubricant storage area (Figure 7)	RSB-55, RSB-56		NA*	2 boring to depths of 5 feet bgs, one on new material & one by used material storage. Hand auger to 5 feet bgs. Vapor probe at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5 5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring east of mobile maintenance building in Parcel 3 (Figure 7)	RSB-57	12/2020-1/2021	NA	1 boring to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Five step-out borings S and W of RSB-57	RSB-57-R1 to R5	11/2021	RSB-57 and step-outs	3 borings to 1 foot, 2 borings to 3 feet bgs	1, 3	Lead	-	Delineation of shallow lead impacts in Parcel 3
One boring near drain in Parcel 4 south of maintenance shop (Figure 5)	RSB-58	12/2020	N/A	One boring to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two step-out borings S and W of RSB-58	RSB-58-S and W	11/2021	RSB-58	2 borings to 5 feet	1, 3, 5	Metals, VOCs & TPH	-	Additional sampling in area of oil collection trench and clarifier in Parcel 4
One boring near clarifier in northwest portion of site (Parcel 4) south of maintenance shop (Figure 5)	RSB-59		NA*	One boring to 5 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probe at 5 & 15 feet bgs	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring inside maintenance shop, near hydraulic lift in northwest portion of site, on Parcel 4 (Figure 5)	RSB-61		NA*	One boring to 5 feet bgs. Hand auger to 5 feet bgs. Vapor probe at 5 feet bgs	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near reheat oven (Figure 7)	RSB-63		NA*	One borings to 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near former oil cellar within production/ roll mill building (Figure 7)	RSB-64		NA*	1 boring to 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One boring near transformers - green circle near feature 21 (not SCE property) (Figure 7)	RSB-65		NA*	1 boring to 5 feet bgs. Hand auger to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH, PCBs	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).

Table 1
Sampling Analysis Plan
12451 Arrow Route, Rancho Cucamonga, California

Location	Current Borings	Boring Dates	Historical Borings	Scope of Work	Soil Sample Depth (feet bgs)	Analytical Suite	Soil Vapor Probe Depth (feet bgs)	Rationale
Three additional deep locations scattered throughout the grid (Figure 6)	RSB-66, RSB-67, RSB-68		NA*	Each boring to 25 feet bgs. Hand auger to 5 feet bgs, then direct push to 25 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15 19.5-20 24.5-25	Metals, VOCs & TPH	-	Evaluation of the extent of slag material at the site. Further deeper sampling to provide spatial coverage on native soil material.
One boring near former septic system (Figure 7)	RSB-69		NA*	1 borings to 15 feet bgs. Hand auger to 5 feet bgs, then direct push to 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15	Metals, VOCs & TPH	5, 15	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two shallow soil borings on the east and west ends of the vehicle wash area (Figure 5)	RSB-70-E and W	11/2021	NA*	2 borings to 5 feet	1, 3, 5	Metals, VOCs & TPH	-	Assess the former Vehicle Wash Area in Parcel 2
Shallow soil boring in the former drum storage area in Parcel 2 (Figure 6)	SB-1	11/2021	NA*	1 boring to 3 feet	1, 3	Metals, VOCs & TPH	-	Assess the former drum storage area in Parcel 2
Two shallow soil borings on the east and west ends of the former 1993 UST footprint in Parcel 3 (Figure 7)	SB-2 and SB-3	11/2021	NA*	2 borings to 3 feet	1, 3	Metals, VOCs & TPH	-	Assess conditions in the former tank footprint in Parcel 3
Shallow soil boring adjacent to the existing (at the time) UST and dispenser in Parcel 3 (Figure 7)	SB-4	11/2021	NA*	1 borings to 3 feet	1, 3	TPH	-	Assess conditions adjacent to the tank in Parcel 3
19 borings along the rail spur in Parcels 2 and 3 (Figures 6 and 7)	RR-1 to RR-19	11/2021	NA*	19 borings to 1.5 feet	0.5, 1.5	Metals, VOCs, TPH. PCBs, OCPs, SVOCs, chlorinated herbicides in 12 of 19 borings only.	-	Assess conditions along the rail spurs in Parcels 2 and 3

Notes:

Shading indicates Ramboll boring locations
bgs = below ground surface
NA = Not applicable
NA* = Based on Ramboll's review, no historical borings were noted
VOCs = Volatile Organic Chemicals
TPH = Total Petroleum Hydrocarbons
PCBs = Polychlorinated Biphenyls
PCE = Tetrachloroethene
UST = Underground Storage Tank
DTSC = Department of Toxic Substances Control
AST = Aboveground Storage Tank
NFA = No Further Action letter
RWQCB-SA = Regional Water Quality Control Board - Santa Ana
SLIC = Spills, Leaks, Investigation, and Cleanup sites
OCPs = Organochlorine Pesticides
SVOCs = Semi-Volatile Organic Compounds
Cl Herbicides = Chlorinated Herbicides
ESA = environmental site assessment
REC = recognized environmental condition
PEA = preliminary endangerment assessment
mg/kg = milligram per kilogram

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-01-1	1	12/17/2020	12.2	<5.0	**293**	<0.50	**5.8**	**484**	NA	**4.9**	**100.0**	**108**	**0.030**	**2.3**	**20.0**	<5.0	<5.0	<5.0	**75.0**	**566**
RSB-01-3	3	12/18/2020	<5.0	<5.0	**271**	<0.50	**7.1**	**490**	**0.102**	**6.4**	**90.3**	**120**	**0.041**	**3.3**	**27.5**	<5.0	<5.0	<5.0	**48.2**	**713**
RSB-01-5	5	1/6/2021	<5.0	<5.0	**402**	<0.50	**3.9**	**925**	NA	**2.7**	**45.4**	**23.9**	<0.02	<0.50	**9.0**	<5.0	<5.0	<5.0	**71.9**	**182**
RSB-02-1	1	1/4/2021	<5.0	<5.0	**82.2**	<0.50	**1.4**	**11.8**	NA	**6.5**	**9.9**	**10.8**	<0.02	<0.50	**8.6**	<5.0	<5.0	<5.0	**28.9**	**68.7**
RSB-02-3	3	1/4/2021	<5.0	<5.0	**102**	<0.50	**55.6**	NA	NA	**8.0**	**157**	**2,910**	**0.071**	**7.40**	**23.4**	<5.0	<5.0	<5.0	**26.1**	**11,900**
RSB-02-5	5	1/4/2021	<5.0	<5.0	**102**	<0.50	**1.9**	**16.7**	NA	**9.5**	**17.2**	**4.4**	<0.02	<0.50	**11.5**	<5.0	<5.0	<5.0	**38.6**	**74.4**
RSB-02-N-1	1	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**52.4**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-N-3	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**51.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-N-5	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.1**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-W-1	1	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**92.4**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-W-3	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2,040**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-W-5	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-S-3	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14.7**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-S-5	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.3**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-E-1	1	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**91.5**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-E-3	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.3**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-E-5	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.6**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R1-1	1	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R1-3	3	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**28.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R2-1	1	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**120**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R2-3	3	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1,700**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R2-5	5	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.9**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R3-1	1	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**34.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R3-3	3	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**57.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-03-1	1	1/7/2021	<5.0	<5.0	**186**	<0.50	**6.1**	**772**	NA	**8.1**	**272**	**44.7**	**0.035**	<0.50	**64.0**	<5.0	<5.0	<5.0	**99.0**	**743**
RSB-03-3	3	1/7/2021	<5.0	<5.0	**77.5**	<0.50	**1.5**	**12.2**	NA	**6.1**	**14.2**	**16.2**	<0.02	<0.50	**7.8**	<5.0	<5.0	<5.0	**24.2**	**61.4**
RSB-03-5	5	1/7/2021	<5.0	<5.0	**63.1**	<0.50	**0.9000**	**8.6**	NA	**5.6**	**4.7**	**1.7**	<0.02	<0.50	**4.5**	<5.0	<5.0	<5.0	**23.4**	**26.9**
RSB-04-1	1	12/17/2020	**7.8**	<5.0	**197**	<0.50	**4.0**	**289**	NA	**5.5**	**57.1**	**59.0**	**0.031**	**2.2**	**17.6**	<5.0	<5.0	<5.0	**38.4**	**347**
RSB-04-3	3	1/6/2021	<5.0	<5.0	**212**	<0.50	**5.4**	**676**	NA	**6.1**	**73.4**	**126**	**0.021**	<0.50	**29.4**	<5.0	<5.0	<5.0	**33.1**	**913**
RSB-04-5	5	1/6/2021	<5.0	<5.0	**182**	<0.50	**12.2**	**351**	NA	**14.0**	**245**	**28.8**	<0.02	**19.0**	**78.8**	<5.0	<5.0	<5.0	**164**	<1.5
RSB-04-N-5	5	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-E-5	5	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-S-5	5	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-W-5	5	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-N-10	10	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-E-10	10	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-S-10	10	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-W-10	10	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-04-CL-10	10	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-E-15	15	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-N-15	15	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-S-15	15	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-W-15	15	1/28/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-04-CL-15	15	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
RSB-05-1	1	12/18/2020	<5.0	<5.0	**147**	<0.50	**13.5**	**542**	NA	**17.1**	**446**	**71.0**	**0.030**	**32.4**	**132**	<5.0	<0.50	<5.0	**109**	**467**
RSB-05-3	3	12/18/2020	<5.0	<5.0	**101**	<0.50	**1.5**	**12.7**	NA	**7.6**	**10.4**	**2.5**	<0.02	<0.50	**8.0**	<5.0	<0.50	<5.0	**32.2**	**41.6**
RSB-05-5	5	12/18/2020	<5.0	<5.0	**97.7**	<0.50	**1.5**	**12.5**	NA	**7.7**	**10.5**	**2.2**	<0.02	<0.50	**8.0**	<5.0	<0.50	<5.0	**30.6**	**43.0**
RSB-06-1	1	12/29/2020	<5.0	<5.0	**128**	<0.50	**1.8**	**16.4**	NA	**9.9**	**15.3**	**3.7**	<0.02	<0.50	**11.2**	<5.0	<0.50	<5.0	**38.7**	**55.6**
RSB-06-3	3	12/29/2020	<5.0	<5.0	**109**	<0.50	**1.5**	**16.7**	NA	**8.5**	**14.6**	**3.3**	**0.024**	<0.50	**11.2**	<5.0	<0.50	<5.0	**35.0**	**49.1**
RSB-06-5	5	12/29/2020	<5.0	<5.0	**111**	<0.50	**1.5**	**17.7**	NA	**8.5**	**14.4**	**2.1**	<0.02	<0.50	**10.9**	<5.0	<0.50	<5.0	**36.9**	**46.5**
RSB-07-1	1	1/4/2021	<5.0	<5.0	**131**	<0.50	**2.1**	**18.1**	NA	**10.9**	**20.2**	**4.2**	**0.026**	<0.50	**12.2**	<5.0	<0.50	<5.0	**43.7**	**65.3**
RSB-07-3	3	1/4/2021	<5.0	<5.0	**92.5**	<0.50	**1.4**	**13.1**	NA	**7.5**	**12.5**	**2.9**	<0.02	<0.50	**8.8**	<5.0	<0.50	<5.0	**31.6**	**44.7**
RSB-07-5	5	1/4/2021	<5.0	<5.0	**91**	<0.50	**1.3**	**12.2**	NA	**7.2**	**11.4**	**2.2**	<0.02	<0.50	**8.3**	<5.0	<0.50	<5.0	**30.1**	**39.5**
RSB-08-1	1	12/17/2020	<5.0	<5.0	**88.5**	<0.50	**1.3**	**12.2**	NA	**6.5**	**9.5**	**2.2**	<0.02	<0.50	**7.7**	<5.0	<0.50	<5.0	**28.0**	**36.6**
RSB-08-3	3	12/17/2020	<5.0	<5.0	**87.7**	<0.50	**1.3**	**12.4**	NA	**6.2**	**9.9**	**2.4**	<0.02	<0.50	**7.6**	<5.0	<0.50	<5.0	**27.4**	**36.3**
RSB-08-5	5	12/17/2020	<5.0	<5.0	**102**	<0.50	**1.6**	**14.1**	NA	**8.0**	**11.7**	**2.4**	<0.02	<0.50	**9.2**	<5.0	<0.50	<5.0	**33.6**	**41.4**
RSB-09-1	1	12/17/2020	<5.0	<5.0	**112**	<0.50	**1.9**	**14.0**	NA	**8.3**	**15.6**	**3.1**	<0.02	**0.6**	**9.3**	<5.0	<0.50	<5.0	**34.3**	**48.7**
RSB-09-3	3	12/17/2020	<5.0	<5.0	**87.7**	<0.50	**1.5**	**12.9**	NA	**7.3**	**12.6**	**2.6**	<0.02	<0.50	**8.8**	<5.0	<0.50	<5.0	**30.0**	**41.0**
RSB-09-5	5	12/17/2020	<5.0	<5.0	**75.6**	<0.50	**1.4**	**12.2**	NA	**6.7**	**10.3**	**2.5**	<0.02	<0.50	**7.9**	<5.0	<0.50	<5.0	**28.0**	**38.5**
RSB-10-1	1	12/17/2020	<5.0	<5.0	**68.8**	<0.50	**1.3**	**10.8**	NA	**5.4**	**8.8**	**9.1**	<0.02	<0.50	**8.0**	<5.0	<0.50	<5.0	**25.2**	**46.7**
RSB-10-3	3	12/17/2020	<5.0	<5.0	**118**	<0.50	**2.0**	**19.0**	NA	**9.8**	**15.9**	**3.8**	<0.02	<0.50	**12.3**	<5.0	<0.50	<5.0	**40.8**	**56.4**
RSB-10-5	5	12/17/2020	<5.0	<5.0	**69.6**	<0.50	**1.1**	**10.0**	NA	**5.4**	**8.3**	**1.7**	<0.02	<0.50	**6.6**	<5.0	<0.50	<5.0	**24.4**	**27.4**
RSB-11-1	1	1/4/2021	<5.0	<5.0	**107**	<0.50	**1.6**	**12.8**	NA	**7.4**	**11.9**	**2.5**	<0.02	<0.50	**7.8**	<5.0	<0.50	<5.0	**30.5**	**45.6**
RSB-11-3	3	1/4/2021	<5.0	<5.0	**66.0**	<0.50	**1.2**	**10.4**	NA	**5.9**	**10.0**	**1.7**	<0.02	<0.50	**6.9**	<5.0	<0.50	<5.0	**25.0**	**34.3**
RSB-11-5	5	1/4/2021	<5.0	<5.0	**52.3**	<0.50	**1.0**	**9.6**	NA	**4.6**	**8.7**	**2.5**	<0.02	<0.50	**5.7**	<5.0	<0.50	<5.0	**20.6**	**30.2**
RSB-12-1	1	1/5/2021	<5.0	<5.0	**67.7**	<0.50	**1.3**	**11.6**	NA	**6.0**	**19.3**	**3.1**	<0.02	<0.50	**8.4**	<5.0	<0.50	<5.0	**26.1**	**36.4**
RSB-12-3	3	1/5/2021	<5.0	<5.0	**55.0**	<0.50	**0.90**	**7.2**	NA	**4.9**	**6.8**	**1.4**	<0.02	<0.50	**5.0**	<5.0	<0.50	<5.0	**20.9**	**25.9**
RSB-12-5	5	1/5/2021	<5.0	<5.0	**47.0**	<0.50	**1.0**	**10.7**	NA	**4.8**	**12.0**	**2.5**	<0.02	<0.50	**7.2**	<5.0	<0.50	<5.0	**20.1**	**26.5**
RSB-13-1	1	12/18/2020	<5.0	<5.0	**433**	<0.50	**31.6**	**1540**	**0.319**	**9.6**	**322**	**32.8**	<0.02	**19.3**	**84.1**	<5.0	<0.50	<5.0	**337**	**308**
RSB-13-3	3	1/6/2021	<5.0	<5.0	**144**	<0.50	**3.3**	**425**	NA	**2.2**	**82.2**	**25.8**	<0.02	**4.6**	**18.4**	<5.0	<0.50	<5.0	**77.1**	**230**
RSB-13-5	5	1/6/2021	<5.0	<5.0	**213**	<0.50	**3.7**	**394**	NA	**2.9**	**94.6**	**9.7**	<0.02	**5.3**	**27.8**	<5.0	<0.50	<5.0	**90.1**	**75.6**
RSB-14-1	1	12/17/2020	<5.0	<5.0	**119**	<0.50	**1.9**	**18.3**	NA	**9.8**	**17.2**	**3.3**	<0.02	<0.50	**12.7**	<5.0	<0.50	<5.0	**39.1**	**50.7**
RSB-14-3	3	12/17/2020	<5.0	<5.0	**83.3**	<0.50	**1.3**	**13.7**	NA	**6.5**	**10.2**	**1.9**	<0.02	<0.50	**8.6**	<5.0	<0.50	<5.0	**28.4**	**33.7**
RSB-14-5	5	12/17/2020	<5.0	<5.0	**82.2**	<0.50	**1.2**	**13.7**	NA	**6.4**	**10.2**	**2.4**	<0.02	<0.50	**8.8**	<5.0	<0.50	<5.0	**27.1**	**33.9**
RSB-15-1	1	12/17/2020	<5.0	<5.0	**112**	<0.50	**1.9**	**16.7**	NA	**9.3**	**14.8**	**3.4**	<0.02	<0.50	**11.1**	<5.0	<0.50	<5.0	**38.7**	**52.0**
RSB-15-3	3	12/17/2020	<5.0	<5.0	**121**	<0.50	**2.0**	**16.8**	NA	**10.2**	**15.5**	**3.3**	<0.02	<0.50	**11.5**	<5.0	<0.50	<5.0	**39.6**	**53.8**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-15-5	5	12/17/2020	<5.0	<5.0	**72.0**	<0.50	**1.4**	**9.9**	NA	**6.6**	**7.4**	**2.0**	<0.02	<0.50	**6.5**	<5.0	<0.50	<5.0	**27.8**	**36.4**
RSB-16-1	1	12/16/2020	**5.4**	<5.0	**150**	<0.50	**5.4**	**151**	NA	**8.2**	**97.8**	**52.0**	**0.043**	**5.3**	**34.6**	<5.0	**1.0**	<5.0	**52.6**	**652**
RSB-16-3	3	12/16/2020	<5.0	<5.0	**118**	<0.50	**3.1**	**148**	NA	**7.1**	**55.6**	**23.1**	**0.033**	**3.0**	**21.3**	<5.0	<0.50	<5.0	**51.3**	**174**
RSB-16-4	4	12/16/2020	**5.6**	<5.0	**177**	<0.50	**2.8**	**174**	NA	**6.8**	**46.3**	**23.9**	**0.034**	**2.8**	**21.3**	<5.0	**0.8**	<5.0	**58.0**	**160**
RSB-16-5	5	1/6/2021	<5.0	<5.0	**69.2**	<0.50	**1.0**	**12**	NA	**4.8**	**8.9**	**1.8**	<0.02	<0.50	**6.0**	<5.0	<0.50	<5.0	**21.6**	**33.6**
RSB-17-1	1	12/16/2020	**16.2**	<5.0	**235**	<0.50	**13.9**	**813**	NA	**13.9**	**484**	**242**	**0.708**	**34.6**	**162**	<5.0	**2.2**	<5.0	**76.2**	**1390**
RSB-17-3	3	1/7/2021	<5.0	<5.0	**102**	<0.50	**1.5**	**16.8**	NA	**7.9**	**11.9**	**2.6**	<0.02	<0.50	**8.9**	<5.0	<0.50	<5.0	**32.4**	**45.3**
RSB-17-5	5	1/7/2021	<5.0	<5.0	**104**	<0.50	**1.4**	**15.6**	NA	**7.6**	**12.3**	**2.4**	<0.02	<0.50	**9.4**	<5.0	<0.50	<5.0	**33.6**	**47.2**
RSB-18-1	1	12/17/2020	<5.0	<5.0	**76.2**	<0.50	**1.3**	**9.6**	NA	**6.3**	**7.5**	**2.4**	<0.02	<0.50	**6.3**	<5.0	<0.50	<5.0	**29.8**	**33.2**
RSB-18-3	3	12/17/2020	<5.0	<5.0	**101**	<0.50	**1.7**	**14.3**	NA	**8.4**	**12.5**	**3.2**	<0.02	<0.50	**9.5**	<5.0	<0.50	<5.0	**34.7**	**45.5**
RSB-18-5	5	12/17/2020	<5.0	<5.0	**89.2**	<0.50	**1.4**	**12.2**	NA	**7.1**	**10.6**	**2.4**	<0.02	<0.50	**8.1**	<5.0	<0.50	<5.0	**29.0**	**42.8**
RSB-19-1	1	12/16/2020	<5.0	<5.0	**97.9**	<0.50	**1.4**	**14.3**	NA	**7.2**	**10.2**	**2.3**	<0.02	<0.50	**8.7**	<5.0	<0.50	<5.0	**32.7**	**41.5**
RSB-19-3	3	12/16/2020	<5.0	<5.0	**84.9**	<0.50	**1.4**	**14.0**	NA	**6.8**	**10.4**	**3.3**	<0.02	<0.50	**8.7**	<5.0	<0.50	<5.0	**32.6**	**38.3**
RSB-19-5	5	12/16/2020	<5.0	<5.0	**90.5**	<0.50	**1.4**	**14.8**	NA	**7.4**	**11.4**	**2.3**	<0.02	<0.50	**9.1**	<5.0	<0.50	<5.0	**34.8**	**39.7**
RSB-20-1	1	12/14/2020	<5.0	<5.0	**160**	<0.50	**1.5**	**27.9**	NA	**9.9**	**20.7**	**4.1**	<0.02	<0.50	**16.1**	<5.0	<0.50	<5.0	**46.4**	**37.4**
RSB-20-2	2	12/14/2020	<5.0	<5.0	**136**	<0.50	**1.4**	**22.1**	NA	**8.2**	**14.6**	**3.9**	<0.02	<0.50	**13.9**	<5.0	<0.50	<5.0	**40.2**	**35.6**
RSB-20-3	3	1/7/2021	<5.0	<5.0	**117**	<0.50	**1.3**	**34.0**	NA	**6.6**	**17.6**	**3.4**	**0.024**	<0.50	**12.4**	<5.0	<0.50	<5.0	**35.8**	**39.0**
RSB-20-5	5	1/7/2021	<5.0	<5.0	**104**	<0.50	**1.3**	**13.5**	NA	**7.2**	**10.6**	**1.8**	<0.02	<0.50	**7.9**	<5.0	<0.50	<5.0	**31.2**	**41.4**
RSB-20-Stepout-1	1	12/16/2020	<5.0	<5.0	**145**	<0.50	**1.6**	**79.5**	NA	**6.6**	**18.1**	**7.4**	**0.025**	<0.50	**11.6**	<5.0	<0.50	<5.0	**38.4**	**59.0**
RSB-20-Stepout-3	3	12/16/2020	<5.0	<5.0	**115**	<0.50	**1.3**	**16.4**	NA	**7.3**	**11.3**	**4.0**	<0.02	<0.50	**11.0**	<5.0	<0.50	<5.0	**35.9**	**36.0**
RSB-21-1	1	12/16/2020	<5.0	<5.0	**75.2**	<0.50	**1.3**	**16.3**	NA	**6.2**	**8.4**	**3.4**	<0.02	<0.50	**7.2**	<5.0	<0.50	<5.0	**34.3**	**40.7**
RSB-21-3	3	12/16/2020	<5.0	<5.0	**97.3**	<0.50	**1.4**	**14.5**	NA	**7.4**	**11.0**	**2.6**	<0.02	<0.50	**8.8**	<5.0	<0.50	<5.0	**34.9**	**39.1**
RSB-21-5	5	12/16/2020	<5.0	<5.0	**100**	<0.50	**1.4**	**14.2**	NA	**7.6**	**10.8**	**2.2**	<0.02	<0.50	**9.1**	<5.0	<0.50	<5.0	**33.7**	**38.5**
RSB-22-1	1	12/14/2020	<5.0	<5.0	**91.8**	<0.50	**1.4**	**13.4**	NA	**7.6**	**9.8**	**3.0**	<0.02	<0.50	**8.7**	<5.0	<0.50	<5.0	**31.9**	**40.5**
RSB-22-3	3	12/14/2020	<5.0	<5.0	**92.0**	<0.50	**1.4**	**13.1**	NA	**7.3**	**9.6**	**2.7**	<0.02	<0.50	**8.6**	<5.0	<0.50	<5.0	**30.9**	**40.3**
RSB-22-5	5	12/14/2020	<5.0	<5.0	**140**	<0.50	**2.0**	**21.2**	NA	**11.2**	**19.0**	**3.7**	<0.02	<0.50	**15.0**	<5.0	<0.50	<5.0	**45.9**	**62.2**
RSB-23-1	1	12/14/2020	<5.0	<5.0	**127**	<0.50	**1.3**	**20.5**	NA	**7.6**	**13.8**	**4.1**	<0.02	<0.50	**13.0**	<5.0	<0.50	<5.0	**37.6**	**35.4**
RSB-23-3	3	1/8/2021	<5.0	<5.0	**25.7**	<0.50	**0.7**	**11.0**	NA	**2.4**	**1.1**	**1.9**	<0.02	<0.50	**2.5**	<5.0	<0.50	<5.0	**7.4**	**28.1**
RSB-23-5	5	1/8/2021	<5.0	<5.0	**99.2**	<0.50	**1.8**	**18.0**	NA	**9.3**	**13.4**	**5.7**	<0.02	<0.50	**11.4**	<5.0	<0.50	<5.0	**39.4**	**53.2**
RSB-23-Stepout-1	1	12/15/2020	<5.0	<5.0	**92.6**	<0.50	**1.1**	**16.3**	NA	**6.5**	**11.6**	**2.9**	<0.02	<0.50	**10.5**	<5.0	<0.50	<5.0	**29.0**	**28.7**
RSB-23-Stepout-3	3	12/15/2020	<5.0	<5.0	**103**	<0.50	**1.2**	**16.9**	NA	**6.5**	**12.8**	**3.3**	<0.02	<0.50	**11.9**	<5.0	<0.50	<5.0	**30.6**	**33.5**
RSB-24-2	2	12/15/2020	<5.0	<5.0	**123**	<0.50	**2.1**	**52.2**	NA	**8.5**	**21.3**	**8.1**	**0.023**	**0.5**	**14.9**	<5.0	<0.50	<5.0	**42.9**	**58.8**
RSB-24-3	3	12/15/2020	<5.0	<5.0	**80.4**	<0.50	**1.7**	**18.5**	NA	**6.9**	**13.0**	**13.8**	**0.021**	<0.50	**11.7**	<5.0	<0.50	<5.0	**34.0**	**57.9**
RSB-24-5	5	12/15/2020	<5.0	<5.0	**57.7**	<0.50	**1.0**	**12.3**	NA	**4.6**	**6.9**	**2.1**	<0.02	<0.50	**6.2**	<5.0	<0.50	<5.0	**22.6**	**29.2**
RSB-25-1	1	12/24/2020	<5.0	<5.0	**193**	<0.50	**10.7**	**842**	NA	**8.9**	**282**	**130**	**0.167**	**17.8**	**99.1**	<5.0	<0.50	<5.0	**91.0**	**1,580**
RSB-25-3	3	12/24/2020	<5.0	<5.0	**101**	<0.50	**1.4**	**14.6**	NA	**7.9**	**11.4**	**2.6**	<0.02	<0.50	**8.9**	<5.0	<0.50	<5.0	**33.3**	**42.8**
RSB-25-5	5	12/24/2020	<5.0	<5.0	**86.7**	<0.50	**1.3**	**13.5**	NA	**7.5**	**10.2**	**2.4**	<0.02	<0.50	**8.1**	<5.0	<0.50	<5.0	**32.0**	**41.0**
RSB-25-10	10	12/24/2020	<5.0	<5.0	**91.2**	<0.50	**1.2**	**11.1**	NA	**6.7**	**9.1**	**1.8**	<0.02	<0.50	**7.2**	<5.0	<0.50	<5.0	**28.4**	**37.3**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-25-15	15	12/24/2020	<5.0	<5.0	**120**	<0.50	**1.5**	**9.4**	NA	**8.0**	**7.3**	**2.3**	<0.02	<0.50	**6.7**	<5.0	<0.50	<5.0	**32.4**	**40.4**
RSB-26-1	1	1/5/2021	<5.0	<5.0	**69.1**	<0.50	**1.1**	**9.7**	NA	**5.5**	**10.5**	**7.7**	<0.02	<0.50	**6.5**	<5.0	<0.50	<5.0	**24.0**	**66.9**
RSB-26-3	3	1/5/2021	<5.0	<5.0	**106**	<0.50	**1.8**	**17.4**	NA	**8.6**	**15.9**	**5.3**	**0.026**	<0.50	**10.5**	<5.0	<0.50	<5.0	**37.0**	**62.4**
RSB-26-5	5	1/5/2021	<5.0	<5.0	**82.0**	<0.50	**1.4**	**15.4**	NA	**6.3**	**23.4**	**13.7**	**0.020**	<0.50	**10.8**	<5.0	<0.50	<5.0	**27.9**	**91.8**
RSB-27-1	1	12/22/2020	<5.0	<5.0	**81.4**	<0.50	**1.6**	**11.7**	NA	**6.8**	**8.7**	**5.7**	<0.02	<0.50	**8.3**	<5.0	<0.50	<5.0	**33.3**	**63.0**
RSB-27-3	3	12/22/2020	<5.0	<5.0	**86.9**	<0.50	**1.4**	**11.6**	NA	**6.4**	**9.2**	**2.1**	<0.02	<0.50	**8.1**	<5.0	<0.50	<5.0	**29.9**	**48.0**
RSB-27-5	5	12/22/2020	<5.0	<5.0	**68.8**	<0.50	**1.4**	**11.6**	NA	**6.2**	**8.8**	**2.0**	<0.02	<0.50	**8.3**	<5.0	<0.50	<5.0	**30.4**	**48.1**
RSB-27-10	10	12/22/2020	<5.0	<5.0	**142**	<0.50	**2.2**	**13.7**	NA	**11.2**	**10.6**	**3.8**	<0.02	<0.50	**8.4**	<5.0	<0.50	<5.0	**46.2**	**45.2**
RSB-27-15	15	12/22/2020	<5.0	<5.0	**85.8**	<0.50	**1.2**	**8.9**	NA	**6.3**	**6.2**	**1.3**	<0.02	<0.50	**4.9**	<5.0	<0.50	<5.0	**25.8**	**34.6**
RSB-28-1	1	12/21/2020	<5.0	<5.0	**96.7**	<0.50	**5.7**	**136**	<0.040	**6.4**	**114**	**67.2**	<0.02	**3.9**	**23.6**	<5.0	<0.50	<5.0	**76.2**	**499**
RSB-28-3	3	12/21/2020	<5.0	<5.0	**134**	<0.50	**1.4**	**10.2**	NA	**6.1**	**10.7**	**3.4**	<0.02	<0.50	**7.0**	<5.0	<0.50	<5.0	**27.2**	**67.9**
RSB-28-5	5	12/21/2020	<5.0	<5.0	**82.3**	<0.50	**1.4**	**12.4**	NA	**7.0**	**11.4**	**3.2**	<0.02	**0.7**	**9.4**	<5.0	<0.50	<5.0	**28.1**	**42.9**
RSB-28-10	10	12/21/2020	<5.0	<5.0	**105**	<0.50	**1.7**	**15.8**	NA	**8.6**	**14.0**	**3.6**	<0.02	**0.6**	**10.6**	<5.0	<0.50	<5.0	**34.9**	**57.3**
RSB-28-15	15	12/21/2020	<5.0	<5.0	**162**	<0.50	**2.0**	**11.7**	NA	**11.6**	**7.9**	**3.2**	<0.02	**1.4**	**7.8**	<5.0	<0.50	<5.0	**45.6**	**36.6**
RSB-28-20	20	12/21/2020	<5.0	<5.0	**119**	<0.50	**1.8**	**10.8**	NA	**8.3**	**8.3**	**2.7**	<0.02	<0.50	**10.5**	<5.0	<0.50	<5.0	**37.5**	**39.8**
RSB-28-25	25	12/21/2020	<5.0	<5.0	**115**	<0.50	**1.5**	**10.4**	NA	**7.1**	**7.7**	**1.1**	<0.02	<0.50	**7.1**	<5.0	<0.50	<5.0	**32.2**	**33.2**
RSB-28-30	30	12/21/2020	<5.0	<5.0	**155**	<0.50	**1.8**	**12.5**	NA	**8.8**	**10.7**	**1.9**	<0.02	<0.50	**9.3**	<5.0	<0.50	<5.0	**41.2**	**45.8**
RSB-29-1	1	12/21/2020	<5.0	<5.0	**130**	<0.50	**2.2**	**17.3**	NA	**10.8**	**16.3**	**3.5**	<0.02	<0.50	**12.0**	<5.0	<0.50	<5.0	**42.6**	**58.7**
RSB-29-3	3	12/21/2020	<5.0	<5.0	**80.8**	<0.50	**1.4**	**11.6**	NA	**6.8**	**9.6**	**2.2**	<0.02	<0.50	**8.8**	<5.0	<0.50	<5.0	**28.5**	**39.8**
RSB-29-5	5	12/21/2020	<5.0	<5.0	**72.9**	<0.50	**1.3**	**10.5**	NA	**6.4**	**8.6**	**1.8**	<0.02	<0.50	**7.4**	<5.0	<0.50	<5.0	**28.8**	**35.1**
RSB-29-10	10	12/21/2020	<5.0	<5.0	**138**	<0.50	**1.9**	**12.7**	NA	**9.9**	**8.0**	**3.2**	<0.02	<0.50	**8.4**	<5.0	<0.50	<5.0	**46.2**	**37.9**
RSB-29-15	15	12/21/2020	<5.0	<5.0	**132**	<0.50	**1.6**	**10.2**	NA	**8.1**	**6.5**	**1.7**	<0.02	<0.50	**7.8**	<5.0	<0.50	<5.0	**37.9**	**37.4**
RSB-29-20	20	12/21/2020	<5.0	<5.0	**87.1**	<0.50	**1.5**	**8.7**	NA	**6.3**	**6.5**	**1.9**	<0.02	<0.50	**6.5**	<5.0	<0.50	<5.0	**34.2**	**33.6**
RSB-29-25	25	12/21/2020	<5.0	<5.0	**106**	<0.50	**1.7**	**9.5**	NA	**8.5**	**7.8**	**2.1**	<0.02	<0.50	**6.5**	<5.0	<0.50	<5.0	**35.4**	**42.8**
RSB-29-30	30	12/21/2020	<5.0	<5.0	**86.3**	<0.50	**1.6**	**7.9**	NA	**7.2**	**7.4**	**1.7**	<0.02	<0.50	**6.1**	<5.0	<0.50	<5.0	**31.3**	**40.3**
RSB-30-1	1	12/29/2020	<5.0	<5.0	**95.9**	<0.50	**3.5**	**24.5**	NA	**9.5**	**1450**	**153**	**0.076**	**2.8**	**22.0**	<5.0	<0.50	<5.0	**29.4**	**325**
RSB-30-3	3	12/29/2020	<5.0	<5.0	**94.5**	<0.50	**1.5**	**11.5**	NA	**7.7**	**11.4**	**3.8**	<0.02	<0.50	**7.8**	<5.0	<0.50	<5.0	**32.1**	**48**
RSB-30-5	5	12/29/2020	<5.0	<5.0	**74.6**	<0.50	**1.1**	**10.8**	NA	**6.6**	**8.5**	**1.8**	<0.02	<0.50	**7.3**	<5.0	<0.50	<5.0	**27.7**	**35.3**
RSB-30-10	10	12/29/2020	<5.0	<5.0	**77.9**	<0.50	**1.1**	**9.8**	NA	**6.6**	**5.7**	**1.9**	<0.02	<0.50	**6.1**	<5.0	<0.50	<5.0	**30.2**	**29.1**
RSB-30-15	15	12/29/2020	<5.0	<5.0	**108**	<0.50	**1.5**	**10.9**	NA	**9.2**	**7.5**	**2.7**	**0.020**	<0.50	**7.5**	<5.0	<0.50	<5.0	**37.9**	**36.4**
RSB-31-1	1	1/4/2021	<5.0	<5.0	**96**	<0.50	**1.5**	**12.3**	NA	**7.6**	**13.1**	**4.5**	<0.02	<0.50	**8.5**	<5.0	<0.50	<5.0	**31.6**	**50.0**
RSB-31-3	3	1/4/2021	<5.0	<5.0	**93.9**	<0.50	**1.5**	**13.3**	NA	**7.5**	**11.7**	**2.7**	<0.02	<0.50	**9.0**	<5.0	<0.50	<5.0	**31.0**	**44.5**
RSB-31-5	5	1/4/2021	<5.0	<5.0	**74.5**	<0.50	**1.2**	**10.9**	NA	**6.2**	**8.6**	**2.8**	<0.02	<0.50	**7.5**	<5.0	<0.50	<5.0	**25.5**	**40.5**
RSB-32-1	1	12/24/2020	<5.0	<5.0	**84.7**	<0.50	**1.9**	**18.8**	NA	**7.3**	**29.9**	**12.0**	<0.02	**0.7**	**14.4**	<5.0	<0.50	<5.0	**30.0**	**81.2**
RSB-32-3	3	12/24/2020	<5.0	<5.0	**82.1**	<0.50	**2.0**	**14.3**	NA	**7.3**	**18.2**	**29.7**	<0.02	<0.50	**10.5**	<5.0	<0.50	<5.0	**30.2**	**176**
RSB-32-5	5	12/24/2020	<5.0	<5.0	**66.2**	<0.50	**1.1**	**10.4**	NA	**5.4**	**11.5**	**6.1**	<0.02	<0.50	**7.8**	<5.0	<0.50	<5.0	**22.9**	**47.1**
RSB-32-10	10	12/24/2020	<5.0	<5.0	**82.9**	<0.50	**2.2**	**21.2**	NA	**7.6**	**34.1**	**16.7**	<0.02	**1.4**	**15.7**	<5.0	<0.50	<5.0	**28.9**	**101**
RSB-32-15	15	12/24/2020	<5.0	<5.0	**105**	<0.50	**1.2**	**8.8**	NA	**7.3**	**4.8**	**1.5**	<0.02	<0.50	**5.3**	<5.0	<0.50	<5.0	**34.1**	**29.2**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-32-20	20	12/24/2020	<5.0	<5.0	**138**	<0.50	**1.5**	**7.4**	NA	**8.5**	**6.2**	**1.1**	<0.02	<0.50	**5.9**	<5.0	<0.50	<5.0	**32.8**	**39.5**
RSB-32-25	25	12/24/2020	<5.0	<5.0	**199**	<0.50	**2.0**	**14.0**	NA	**11.3**	**14.6**	**3.9**	<0.02	<0.50	**10.8**	<5.0	<0.50	<5.0	**46.1**	**51.6**
RSB-32-30	30	12/24/2020	<5.0	<5.0	**91.3**	<0.50	**1.8**	**10.3**	NA	**9.9**	**6.9**	**<0.50**	<0.02	<0.50	**4.5**	<5.0	<0.50	<5.0	**42.7**	**47.6**
RSB-33-3	3	12/21/2020	<5.0	<5.0	**72**	<0.50	**1.2**	**9.7**	NA	**5.7**	**7.3**	**4.6**	<0.02	<0.50	**6.3**	<5.0	<0.50	<5.0	**24.2**	**42.2**
RSB-33-5	5	12/21/2020	<5.0	<5.0	**99.9**	<0.50	**1.9**	**16.8**	NA	**9.4**	**15.5**	**4.8**	**0.023**	<0.50	**10.9**	<5.0	<0.50	<5.0	**36.5**	**57.4**
RSB-33-10	10	12/21/2020	<5.0	<5.0	**72.2**	<0.50	**1.2**	**11.2**	NA	**5.6**	**9.2**	**1.9**	<0.02	<0.50	**6.6**	<5.0	<0.50	<5.0	**23.9**	**37.7**
RSB-33-15	15	12/21/2020	<5.0	<5.0	**60.2**	<0.50	**1.1**	**8.2**	NA	**5.4**	**4.9**	**1.4**	<0.02	<0.50	**5.2**	<5.0	<0.50	<5.0	**25.3**	**24.7**
RSB-34-1	1	12/28/2020	<5.0	<5.0	**134**	<0.50	**1.5**	**46.9**	NA	**6.5**	**20.5**	**5.0**	<0.02	<0.50	**12.7**	<5.0	<0.50	<5.0	**46.2**	**77.6**
RSB-34-3	3	1/7/2021	<5.0	<5.0	**136**	<0.50	**1.6**	**39.4**	NA	**6.9**	**13.1**	**2.2**	<0.02	<0.50	**9.0**	<5.0	<0.50	<5.0	**65.8**	**35.2**
RSB-34-5	5	1/7/2021	<5.0	<5.0	**123**	<0.50	**5.6**	**363**	NA	**6.2**	**55.2**	**121**	**0.032**	<0.50	**17.0**	<5.0	<0.50	<5.0	**48.4**	**682**
RSB-34-10	10	1/7/2021	<5.0	<5.0	**235**	<0.50	**3.2**	**267**	NA	**4.1**	**37.0**	**20**	<0.02	<0.50	**8.6**	<5.0	<0.50	<5.0	**52.3**	**229**
RSB-34-15	15	1/7/2021	<5.0	<5.0	**68.5**	<0.50	**0.9**	**8.5**	NA	**5.2**	**6.8**	**1.3**	<0.02	<0.50	**5.4**	<5.0	<0.50	<5.0	**21.4**	**31.2**
RSB-34-20	20	1/7/2021	<5.0	<5.0	**45.3**	<0.50	**1.1**	**5.5**	NA	**3.7**	**8.1**	**1.0**	<0.02	<0.50	**3.6**	<5.0	<0.50	<5.0	**16.0**	**27.7**
RSB-34-25	25	1/7/2021	<5.0	<5.0	**125**	<0.50	**1.3**	**9.0**	NA	**6.9**	**10.9**	**1.2**	<0.02	<0.50	**6.5**	<5.0	<0.50	<5.0	**26.5**	**38.9**
RSB-35-1	1	12/23/2020	<5.0	<5.0	**218**	<0.50	**1.3**	**23.2**	NA	**6.6**	**12.9**	**3.0**	<0.02	<0.50	**12.3**	<5.0	<0.50	<5.0	**37.0**	**73.4**
RSB-35-3	3	12/23/2020	<5.0	<5.0	**215**	<0.50	**1.4**	**11.6**	NA	**6.7**	**8.6**	**3.9**	<0.02	<0.50	**7.6**	<5.0	<0.50	<5.0	**31.9**	**95.5**
RSB-35-5	5	12/23/2020	<5.0	<5.0	**250**	<0.50	**1.9**	**23.2**	NA	**9.4**	**16.0**	**4.2**	<0.02	<0.50	**11.8**	<5.0	<0.50	<5.0	**38.9**	**113**
RSB-35-10	10	12/23/2020	<5.0	<5.0	**261**	<0.50	**1.7**	**15.4**	NA	**8.9**	**12.8**	**2.9**	<0.02	<0.50	**10.1**	<5.0	<0.50	<5.0	**38.6**	**107**
RSB-35-15	15	12/23/2020	<5.0	<5.0	**186**	<0.50	**0.8**	**7.4**	NA	**3.8**	**4.6**	**1.2**	<0.02	<0.50	**4.9**	<5.0	<0.50	<5.0	**19.2**	**78.0**
RSB-35-20	20	12/23/2020	<5.0	<5.0	**249**	<0.50	**1.5**	**8.2**	NA	**6.8**	**8.5**	**2.2**	<0.02	<0.50	**5.7**	<5.0	<0.50	<5.0	**31.1**	**89.6**
RSB-35-25	25	12/23/2020	<5.0	<5.0	**243**	<0.50	**1.9**	**13.6**	NA	**10.0**	**11.5**	**3.6**	**0.030**	<0.50	**9.6**	<5.0	<0.50	<5.0	**45.0**	**91.1**
RSB-36-1	1	12/23/2020	<5.0	<5.0	**301**	<0.50	**8.1**	**349**	NA	**6.1**	**69.4**	**262**	<0.02	**2.8**	**17.7**	<5.0	<0.50	<5.0	**73.7**	**1,370**
RSB-36-3	3	1/6/2021	<5.0	<5.0	**389**	<0.50	**11.0**	**1,060**	NA	**6.2**	**331**	**27**	**0.055**	**9.9**	**53.1**	<5.0	<0.50	<5.0	**232**	**203**
RSB-36-5	5	1/6/2021	<5.0	<5.0	**96.3**	<0.50	**6.5**	**67.2**	NA	**5.5**	**111**	**269**	<0.02	<0.50	**23.9**	<5.0	<0.50	<5.0	**31.6**	**1,140**
RSB-36-10	10	1/6/2021	<5.0	<5.0	**81.4**	<0.50	**0.9**	**6.4**	NA	**4.7**	**6.5**	**1.7**	<0.02	<0.50	**3.5**	<5.0	<0.50	<5.0	**22.3**	**25.9**
RSB-37-1	1	1/7/2021	<5.0	<5.0	**354**	<0.50	**8.0**	**127**	NA	**12.8**	**418**	**47.3**	<0.02	**20.2**	**126**	<5.0	<0.50	<5.0	**57.7**	**337**
RSB-37-3	3	1/7/2021	<5.0	<5.0	**198**	<0.50	**1.3**	**14.2**	NA	**7.4**	**12.1**	**13.5**	<0.02	<0.50	**8.5**	<5.0	<0.50	<5.0	**29.7**	**45.4**
RSB-37-5	5	1/7/2021	<5.0	<5.0	**128**	<0.50	**2.1**	**112**	NA	**5.1**	**33.9**	**2.9**	<0.02	<0.50	**11.2**	<5.0	<0.50	<5.0	**61.2**	**37.4**
RSB-37-10	10	1/7/2021	<5.0	<5.0	**91.4**	<0.50	**1.1**	**12.4**	NA	**6.2**	**9.1**	**1.2**	<0.02	<0.50	**6.9**	<5.0	<0.50	<5.0	**25.6**	**35.7**
RSB-38-1	1	12/29/2020	<5.0	<5.0	**94.9**	<0.50	**1.3**	**12.4**	NA	**7.5**	**10.4**	**2.2**	<0.02	<0.50	**8.3**	<5.0	<0.50	<5.0	**31.2**	**40.5**
RSB-38-3	3	12/29/2020	<5.0	<5.0	**90.2**	<0.50	**1.2**	**11.4**	NA	**7.2**	**9.3**	**2.4**	<0.02	<0.50	**8.0**	<5.0	<0.50	<5.0	**29.3**	**39.8**
RSB-38-5	5	12/29/2020	<5.0	<5.0	**83.4**	<0.50	**1.2**	**11.5**	NA	**6.7**	**8.6**	**1.9**	<0.02	<0.50	**7.4**	<5.0	<0.50	<5.0	**29.5**	**37.7**
RSB-39-1	1	1/4/2021	<5.0	<5.0	**102**	<0.50	**1.5**	**13.8**	NA	**7.3**	**11.5**	**7.3**	<0.02	<0.50	**8.2**	<5.0	<0.50	<5.0	**33.0**	**75.7**
RSB-39-3	3	1/4/2021	<5.0	<5.0	**93.5**	<0.50	**1.3**	**12.6**	NA	**7.0**	**10.9**	**2.4**	<0.02	<0.50	**9.4**	<5.0	<0.50	<5.0	**28.8**	**41.6**
RSB-39-5	5	1/4/2021	<5.0	<5.0	**87.9**	<0.50	**1.3**	**12.6**	NA	**6.7**	**11.0**	**4.7**	<0.02	<0.50	**8.1**	<5.0	<0.50	<5.0	**27.4**	**53.0**
RSB-40-1	1	12/29/2020	<5.0	<5.0	**32.6**	<0.50	<0.5	**7.1**	<0.040	**2.5**	**4.2**	**1.1**	<0.02	<0.50	**3.5**	<5.0	<0.50	<5.0	**12.5**	**18.9**
RSB-40-3	3	12/30/2020	<5.0	<5.0	**37.4**	<0.50	**0.7**	**16.9**	<0.040	**3.0**	**7.3**	**2.3**	<0.02	<0.50	**5.9**	<5.0	<0.50	<5.0	**12.9**	**27.4**
RSB-40-5	5	12/30/2020	<5.0	<5.0	**30.9**	<0.50	**0.5**	**6.6**	<0.040	**2.7**	**4.9**	**1.1**	<0.02	<0.50	**3.4**	<5.0	<0.50	<5.0	**10.7**	**18.5**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-41-1	1	12/30/2020	<5.0	<5.0	**86.4**	<0.50	**1.3**	**11.8**	<0.040	**6.3**	**11.1**	**3.4**	<0.02	<0.50	**7.5**	<5.0	<0.50	<5.0	**26.2**	**39.5**
RSB-41-3	3	12/30/2020	<5.0	<5.0	**82.2**	<0.50	**1.2**	**11.8**	<0.040	**6.3**	**10.2**	**1.9**	<0.02	<0.50	**7.4**	<5.0	<0.50	<5.0	**26.2**	**37.4**
RSB-41-5	5	12/30/2020	<5.0	<5.0	**78.6**	<0.50	**1.2**	**10.7**	<0.040	**6.2**	**8.9**	**1.8**	<0.02	<0.50	**6.8**	<5.0	<0.50	<5.0	**26.3**	**36.3**
RSB-42-1	1	12/30/2020	<5.0	<5.0	**110**	<0.50	**5.3**	**160**	<0.040	**8.4**	**230.0**	**35.7**	**0.022**	**5.5**	**32.1**	<5.0	<0.50	<5.0	**41.5**	**230**
RSB-42-Stepout-1	1	12/30/2020	<5.0	<5.0	**115**	<0.50	**4.2**	**148**	<0.040	**7.8**	**62.1**	**21.0**	<0.02	**2.8**	**21.0**	<5.0	<0.50	<5.0	**65.7**	**150**
RSB-42-Stepout-3	3	12/30/2020	<5.0	<5.0	**97.7**	<0.50	**4.5**	**141**	<0.040	**8.3**	**73.3**	**27.1**	<0.02	**3.2**	**23.5**	<5.0	<0.50	<5.0	**66.9**	**219**
RSB-42-Stepout-5	5	12/30/2020	<5.0	<5.0	**102**	<0.50	**4.4**	**148**	<0.040	**7.2**	**84.0**	**26.0**	<0.02	**3.6**	**24.9**	<5.0	<0.50	<5.0	**56.5**	**237**
RSB-43-1	1	12/23/2020	<5.0	<5.0	**253**	<0.50	**105**	**181**	NA	**7.9**	**82.6**	**190**	**0.050**	**2.5**	**26.3**	<5.0	<0.50	<5.0	**59.4**	**1,520**
RSB-43-3	3	12/23/2020	<5.0	<5.0	**224**	<0.50	**2.3**	**20**	NA	**6.2**	**14.1**	**35**	<0.02	<0.50	**12.5**	<5.0	<0.50	<5.0	**30.8**	**252**
RSB-43-5	5	12/23/2020	<5.0	<5.0	**265**	<0.50	**1.70**	**17**	NA	**8.6**	**15.3**	**3.2**	<0.02	<0.50	**10.8**	<5.0	<0.50	<5.0	**37.3**	**112**
RSB-43-10	10	12/23/2020	<5.0	<5.0	**199**	<0.50	**0.90**	**11**	NA	**4.6**	**6.9**	**1.5**	<0.02	<0.50	**6.1**	<5.0	<0.50	<5.0	**23.1**	**82**
RSB-43-15	15	12/23/2020	<5.0	<5.0	**168**	<0.50	**0.70**	**6.0**	NA	**3.8**	**4.2**	**1.0**	<0.02	<0.50	**3.7**	<5.0	<0.50	<5.0	**16.8**	**73**
RSB-44-1	1	12/21/2020	<5.0	<5.0	**87.4**	<0.50	**2.8**	**73.6**	NA	**6.5**	**29.6**	**40.2**	**0.021**	**0.8**	**12.2**	<5.0	<0.50	<5.0	**36.8**	**323**
RSB-44-3	3	12/21/2020	<5.0	<5.0	**118**	<0.50	**1.6**	**10.8**	NA	**8.0**	**8.6**	**2.2**	<0.02	<0.50	**7.0**	<5.0	<0.50	<5.0	**33.8**	**38.2**
RSB-44-5	5	12/21/2020	<5.0	<5.0	**99.4**	<0.50	**1.6**	**15.5**	NA	**8.1**	**14.2**	**2.9**	<0.02	<0.50	**10.7**	<5.0	<0.50	<5.0	**33.1**	**45.1**
RSB-44-10	10	12/21/2020	<5.0	<5.0	**104**	<0.50	**1.7**	**15.5**	NA	**8.4**	**14.4**	**3.3**	<0.02	<0.50	**10.6**	<5.0	<0.50	<5.0	**34.4**	**50.0**
RSB-44-15	15	12/21/2020	<5.0	<5.0	**66.1**	<0.50	**1.0**	**14.3**	NA	**5.2**	**6.1**	**1.2**	<0.02	**2.8**	**5.7**	<5.0	<0.50	<5.0	**22.7**	**27.3**
RSB-45-1	1	12/29/2020	<5.0	<5.0	**89.2**	<0.50	**1.5**	**14.0**	<0.040	**7.7**	**18.0**	**4.8**	<0.02	**1.4**	**11.5**	<5.0	<0.50	<5.0	**26.9**	**47.8**
RSB-45-3	3	12/29/2020	<5.0	<5.0	**127**	<0.50	**1.3**	**23.8**	<0.040	**7.6**	**14.1**	**3.2**	<0.02	<0.50	**14.1**	<5.0	<0.50	<5.0	**39.0**	**34.9**
RSB-45-5	5	12/29/2020	<5.0	<5.0	**105**	<0.50	**1.6**	**17.6**	<0.040	**9.1**	**16.0**	**3.3**	<0.02	<0.50	**12.0**	<5.0	<0.50	<5.0	**37.1**	**50.4**
RSB-46-1	1	12/18/2020	<5.0	<5.0	**107**	<0.50	**2.8**	**65.3**	NA	**7.2**	**54.1**	**32.7**	**0.062**	**1.6**	**22.3**	<5.0	<0.50	<5.0	**37.2**	**232**
RSB-46-3	3	12/18/2020	<5.0	<5.0	**143**	<0.50	**6.3**	**156**	NA	**11.2**	**157.0**	**58.6**	**0.051**	**8.1**	**52.9**	<5.0	<0.50	<5.0	**45.2**	**463**
RSB-46-Stepout-1	1	1/5/2021	<5.0	<5.0	**119**	<0.50	**1.8**	**15.0**	NA	**9.2**	**13.6**	**4.8**	<0.02	<0.50	**9.7**	<5.0	<0.50	<5.0	**38.5**	**59.1**
RSB-46-Stepout-3	3	1/5/2021	<5.0	<5.0	**120**	<0.50	**1.8**	**15.8**	NA	**9.4**	**13.4**	**3.0**	<0.02	<0.50	**10.3**	<5.0	<0.50	<5.0	**38.9**	**53.2**
RSB-46-Stepout-5	5	1/5/2021	<5.0	<5.0	**104**	<0.50	**1.5**	**16.4**	NA	**8.2**	**14.0**	**3.3**	<0.02	<0.50	**10.3**	<5.0	<0.50	<5.0	**34.0**	**47.4**
RSB-47-Stepout-1	1	1/5/2021	<5.0	<5.0	**98.9**	<0.50	**2.0**	**15.5**	NA	**9.5**	**28.4**	**9.7**	<0.02	<0.50	**13.1**	<5.0	<0.50	<5.0	**34.5**	**88.0**
RSB-47-Stepout-3	3	1/5/2021	<5.0	<5.0	**136**	<0.50	**2.0**	**17.7**	NA	**10.2**	**16.5**	**3.4**	<0.02	<0.50	**11.4**	<5.0	<0.50	<5.0	**43.8**	**59.6**
RSB-47-Stepout-5	5	1/5/2021	<5.0	<5.0	**103**	<0.50	**1.6**	**15.5**	NA	**8.6**	**15.0**	**3.2**	<0.02	<0.50	**10.4**	<5.0	<0.50	<5.0	**34.8**	**48.9**
RSB-48-1	1	12/28/2020	<5.0	<5.0	**102**	<0.50	**1.5**	**17.6**	NA	**8.8**	**14.6**	**3.3**	<0.02	<0.50	**9.0**	<5.0	<0.50	<5.0	**31.6**	**45.7**
RSB-48-3	3	12/28/2020	<5.0	<5.0	**90.2**	<0.50	**1.3**	**12.2**	NA	**6.9**	**11.8**	**2.3**	<0.02	<0.50	**8.1**	<5.0	<0.50	<5.0	**28.3**	**40.0**
RSB-48-5	5	12/28/2020	<5.0	<5.0	**85.6**	<0.50	**1.2**	**11.2**	NA	**6.5**	**10.1**	**1.7**	<0.02	<0.50	**7.4**	<5.0	<0.50	<5.0	**25.8**	**34.2**
RSB-49-1	1	12/28/2020	<5.0	<5.0	**96**	<0.50	**1.5**	**14.0**	NA	**7.7**	**15.9**	**4.2**	<0.02	<0.50	**9.1**	<5.0	<0.50	<5.0	**31.0**	**48.8**
RSB-49-3	3	12/28/2020	<5.0	<5.0	**89.6**	<0.50	**1.4**	**12.6**	NA	**7.3**	**12.6**	**2.8**	<0.02	<0.50	**8.3**	<5.0	<0.50	<5.0	**30.1**	**42.3**
RSB-49-5	5	12/28/2020	<5.0	<5.0	**99.8**	<0.50	**1.5**	**13.8**	NA	**8.0**	**11.8**	**2.2**	<0.02	<0.50	**8.8**	<5.0	<0.50	<5.0	**34.7**	**40.3**
RSB-50-1	1	12/29/2020	<5.0	<5.0	**83.6**	<0.50	**1.1**	**10.0**	NA	**6.2**	**9.1**	**2.1**	<0.02	<0.50	**7.1**	<5.0	<0.50	<5.0	**25.3**	**37.7**
RSB-50-3	3	12/29/2020	<5.0	<5.0	**103**	<0.50	**1.6**	**14.8**	NA	**8.9**	**13.7**	**3.3**	<0.02	<0.50	**10.4**	<5.0	<0.50	<5.0	**34.0**	**50.9**
RSB-50-5	5	12/29/2020	<5.0	<5.0	**94.1**	<0.50	**1.3**	**13.3**	NA	**7.6**	**11.4**	**2.0**	<0.02	<0.50	**8.7**	<5.0	<0.50	<5.0	**30.8**	**41.6**
RSB-51-1	1	12/28/2020	<5.0	<5.0	**83.5**	<0.50	**2.4**	**16.3**	NA	**7.0**	**81.7**	**4.5**	**0.021**	**0.5**	**11.3**	<5.0	<0.50	<5.0	**29.2**	**54.1**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-51-3	3	12/28/2020	<5.0	<5.0	**76.8**	<0.50	**1.2**	**13.3**	NA	**6.5**	**11.8**	**3.3**	<0.02	<0.50	**8.4**	<5.0	<0.50	<5.0	**28.5**	**40.3**
RSB-51-5	5	12/28/2020	<5.0	<5.0	**80.5**	<0.50	**1.4**	**16.4**	NA	**6.9**	**15.2**	**7.6**	<0.02	<0.50	**10.3**	<5.0	<0.50	<5.0	**29.8**	**53.9**
RSB-52-1	1	12/30/2020	<5.0	<5.0	**74.1**	<0.50	**1.3**	**11.9**	NA	**6.1**	**12.0**	**2.3**	<0.02	<0.50	**7.4**	<5.0	<0.50	<5.0	**25.2**	**37.0**
RSB-52-3	3	12/30/2020	<5.0	<5.0	**66.9**	<0.50	**1.2**	**11.6**	NA	**5.8**	**8.9**	**1.6**	<0.02	<0.50	**6.6**	<5.0	<0.50	<5.0	**24.8**	**32.8**
RSB-52-5	5	12/30/2020	<5.0	<5.0	**63.8**	<0.50	**1.2**	**11.0**	NA	**5.8**	**8.6**	**2.1**	<0.02	<0.50	**7.0**	<5.0	<0.50	<5.0	**25.1**	**34.5**
RSB-53-1	1	12/30/2020	<5.0	<5.0	**77.7**	<0.50	**1.2**	**10.4**	NA	**6.0**	**8.4**	**1.8**	<0.02	<0.50	**6.9**	<5.0	<0.50	<5.0	**25.5**	**36.0**
RSB-53-3	3	12/30/2020	<5.0	<5.0	**69.4**	<0.50	**1.2**	**9.6**	NA	**5.8**	**7.8**	**1.6**	<0.02	<0.50	**6.2**	<5.0	<0.50	<5.0	**25.1**	**33.2**
RSB-53-5	5	12/30/2020	<5.0	<5.0	**64.6**	<0.50	**1.2**	**9.2**	NA	**5.4**	**8.2**	**1.6**	<0.02	<0.50	**6.2**	<5.0	<0.50	<5.0	**23.9**	**31.3**
RSB-54-1	1	12/30/2020	<5.0	<5.0	**153**	<0.50	**2.1**	**14.9**	NA	**10.3**	**14.8**	**2.8**	<0.02	<0.50	**10.3**	<5.0	<0.50	<5.0	**41.6**	**56.9**
RSB-54-3	3	12/30/2020	<5.0	<5.0	**79.2**	<0.50	**1.3**	**10.8**	NA	**6.6**	**9.5**	**1.9**	<0.02	<0.50	**7.3**	<5.0	<0.50	<5.0	**27.5**	**34.4**
RSB-54-5	5	12/30/2020	<5.0	<5.0	**90.6**	<0.50	**1.5**	**12.0**	NA	**7.4**	**10.0**	**2.5**	<0.02	<0.50	**8.4**	<5.0	<0.50	<5.0	**31.5**	**39.8**
RSB-55-3	3	12/31/2020	<5.0	<5.0	**80.9**	<0.50	**1.2**	**9.6**	NA	**6.5**	**8.3**	**1.6**	<0.02	<0.50	**6.4**	<5.0	<0.50	<5.0	**27.7**	**34.5**
RSB-55-5	5	12/31/2020	<5.0	<5.0	**89.7**	<0.50	**1.4**	**11.9**	NA	**7.0**	**10.4**	**2.7**	<0.02	<0.50	**7.8**	<5.0	<0.50	<5.0	**30.0**	**41.6**
RSB-56-1	1	12/31/2020	<5.0	<5.0	**90.1**	<0.50	**2.0**	**20.9**	NA	**7.6**	**40.1**	**8.8**	<0.02	**1.6**	**15.1**	<5.0	<0.50	<5.0	**27.6**	**67.3**
RSB-56-3	3	12/31/2020	<5.0	<5.0	**86.1**	<0.50	**1.3**	**11.0**	NA	**7.7**	**11.2**	**5.2**	<0.02	<0.50	**7.3**	<5.0	<0.50	<5.0	**28.8**	**42.8**
RSB-56-5	5	12/31/2020	<5.0	<5.0	**80.7**	<0.50	**1.2**	**11.2**	NA	**6.5**	**10.0**	**2.1**	<0.02	<0.50	**7.2**	<5.0	<0.50	<5.0	**26.8**	**36.6**
RSB-57-1	1	1/7/2021	<5.0	<5.0	**297**	<0.50	<0.50	**203**	NA	**24.3**	**486**	**918**	**0.696**	**15.1**	**94.4**	<5.0	<0.50	<5.0	**33.6**	**2,310**
RSB-57-3	3	1/7/2021	<5.0	<5.0	**324**	<0.50	**10.8**	**60.4**	NA	**10.4**	**204**	**401**	**0.085**	<0.50	**66.7**	<5.0	<0.50	<5.0	**23.9**	**960**
RSB-57-5	5	1/7/2021	<5.0	<5.0	**80.5**	<0.50	**1.2**	**10.4**	NA	**6.4**	**9.7**	**5.6**	<0.02	<0.50	**7.7**	<5.0	<0.50	<5.0	**26.2**	**53.5**
RSB-57-N-1	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.7**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-N-3	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.3**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-N-5	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.6**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-W-1	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**692**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-W-3	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**53.1**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-W-5	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.5**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-S-1	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**775**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-S-3	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.2**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-S-5	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14.8**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-E-1	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**78.9**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-E-3	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-E-5	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.8**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R1-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.4**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R2-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**170**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R3-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**94**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R4-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**780**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R4-3	3	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2,300**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R5-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**330**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R5-3	3	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9.1**	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-58-1	1	12/16/2020	<5.0	<5.0	**130**	<0.50	**1.4**	**22.2**	NA	**7.6**	**13.3**	**3.5**	<0.02	<0.50	**12.4**	<5.0	<0.50	<5.0	**40.1**	**35.5**
RSB-58-3	3	12/16/2020	<5.0	<5.0	**153**	<0.50	**1.5**	**26.1**	NA	**8.0**	**15.2**	**4.1**	<0.02	<0.50	**14.0**	<5.0	<0.50	<5.0	**46.0**	**35.4**
RSB-58-5	5	12/16/2020	<5.0	<5.0	**107**	<0.50	**1.6**	**14.7**	NA	**8.6**	**12.0**	**3.0**	<0.02	<0.50	**10.0**	<5.0	<0.50	<5.0	**36.5**	**44.6**
RSB-58-S-1	1	11/3/2021	<2.7	**1.1**	**280**	**1.0**	<0.45	**100**	NA	**6.2**	**19**	**5.4**	<0.14	<0.91	**11**	<2.7	**0.74**	<2.7	**100**	**39**
RSB-58-S-3	1	11/3/2021	<2.8	<0.9	**160**	<0.5	<0.5	**33**	NA	**8.0**	**18**	**5.7**	<0.2	<0.9	**20**	<2.8	<0.5	<2.8	**46**	**40**
RSB-58-S-5	5	11/3/2021	<2.7	**1.3**	**130**	<0.45	<0.45	**22**	NA	**8.2**	**15**	**4.8**	<0.14	<0.91	**14**	<2.7	<0.45	<2.7	**44**	**53**
RSB-58-W-1	1	11/3/2021	<2.9	<1.0	**160**	<0.49	<0.49	**26**	NA	**7.9**	**17**	**5.7**	<0.14	<1.0	**17**	<2.9	<0.49	<2.9	**49**	**43**
RSB-58-W-3	3	11/3/2021	<2.6	<0.88	**160**	<0.44	<0.44	**29**	NA	**7.7**	**15**	**4.0**	<0.15	<0.88	**17**	<2.6	<0.44	<2.6	**48**	**40**
RSB-58-W-5	5	11/3/2021	<3.1	**1.8**	**170**	<0.52	<0.52	**23**	NA	**10**	**19**	**5.9**	<0.16	<1.0	**16**	<3.1	<0.52	<3.1	**56**	**64**
RSB-59-1	1	12/24/2020	<5.0	<5.0	**128**	<0.50	**1.7**	**60.0**	NA	**8.4**	**21.6**	**8.9**	<0.02	**1.0**	**13.1**	<5.0	<0.50	<5.0	**38.3**	**57.6**
RSB-59-3	3	12/24/2020	<5.0	<5.0	**127**	<0.50	**1.3**	**23.8**	NA	**7.5**	**14.3**	**2.9**	<0.02	<0.50	**14.1**	<5.0	<0.50	<5.0	**39.1**	**35.1**
RSB-59-5	5	1/6/2021	<5.0	<5.0	**99.4**	<0.50	**1.6**	**16.0**	NA	**7.8**	**13.2**	**2.9**	<0.02	<0.50	**9.6**	<5.0	<0.50	<5.0	**35.9**	**45.0**
RSB-59-10	10	1/6/2021	<5.0	<5.0	**108**	<0.50	**1.6**	**15.3**	NA	**8.6**	**13.0**	**3.0**	<0.02	<0.50	**12.6**	<5.0	<0.50	<5.0	**34.9**	**45.7**
RSB-59-15	15	1/6/2021	<5.0	<5.0	**87.4**	<0.50	**1.7**	**13.0**	NA	**9.2**	**8.7**	**3.8**	<0.02	<0.50	**7.0**	<5.0	<0.50	<5.0	**34.7**	**40.7**
RSB-60-1	1	12/28/2020	<5.0	<5.0	**83.4**	<0.50	**3.6**	**19.6**	NA	**7.4**	**32.7**	**48.1**	**0.041**	<0.50	**10.4**	<5.0	<0.50	<5.0	**29.9**	**229**
RSB-60-3	3	12/28/2020	<5.0	<5.0	**80.8**	<0.50	**1.5**	**12.1**	NA	**6.6**	**12.2**	**3.0**	<0.02	<0.50	**7.7**	<5.0	<0.50	<5.0	**28.9**	**39.9**
RSB-60-5	5	12/28/2020	<5.0	<5.0	**81.8**	<0.50	**3.6**	**25.4**	NA	**7.0**	**35.9**	**58.8**	**0.026**	**0.7**	**12.6**	<5.0	<0.50	<5.0	**28.0**	**264**
RSB-61-1	1	12/15/2020	<5.0	<5.0	**109.0**	<0.50	**1.2**	**19.5**	NA	**7.0**	**11.8**	**3.5**	<0.02	<0.50	**11.4**	<5.0	<0.50	<5.0	**32.7**	**30.4**
RSB-61-3	3	12/15/2020	<5.0	<5.0	**74.7**	<0.50	**1.6**	**14.1**	NA	**6.9**	**11.3**	**17.9**	<0.02	<0.50	**12.0**	<5.0	<0.50	<5.0	**33.6**	**67**
RSB-61-5	5	12/15/2020	<5.0	<5.0	**88.7**	<0.50	**1.6**	**13.1**	NA	**7.6**	**9.8**	**3.2**	<0.02	<0.50	**8.7**	<5.0	<0.50	<5.0	**34.5**	**40.3**
RSB-62-1	1	12/30/2020	<5.0	<5.0	**76.3**	<0.50	**1.7**	**18.8**	<0.040	**6.7**	**19.9**	**8.2**	<0.02	<0.50	**9.6**	<5.0	<0.50	<5.0	**29.6**	**68.4**
RSB-62-3	3	12/30/2020	<5.0	<5.0	**115**	<0.50	**2.9**	**30.2**	<0.040	**9.5**	**27.9**	**13.2**	<0.02	**1.8**	**11.5**	<5.0	<0.50	<5.0	**48.6**	**135**
RSB-62-5	5	12/30/2020	<5.0	<5.0	**106**	<0.50	**1.8**	**16.5**	<0.040	**8.9**	**16.5**	**3.3**	<0.02	<0.50	**10.9**	<5.0	<0.50	<5.0	**36.6**	**51.1**
RSB-63-1	1	12/29/2020	<5.0	<5.0	**138**	<0.50	**1.9**	**18.2**	NA	**10.1**	**15.4**	**3.5**	<0.02	<0.50	**10.8**	<5.0	<0.50	<5.0	**40.9**	**59.2**
RSB-63-3	3	12/29/2020	<5.0	<5.0	**98.9**	<0.50	**1.4**	**13.0**	NA	**7.9**	**12.2**	**2.6**	<0.02	<0.50	**9.2**	<5.0	<0.50	<5.0	**30.9**	**44.4**
RSB-63-5	5	12/29/2020	<5.0	<5.0	**78.8**	<0.50	**1.1**	**11.5**	NA	**6.5**	**8.7**	**1.9**	<0.02	<0.50	**7.5**	<5.0	<0.50	<5.0	**27.3**	**36.3**
RSB-64-3	3	1/4/2021	<5.0	<5.0	**68.7**	<0.50	**1.2**	**10.9**	NA	**6.2**	**11.0**	**2.9**	<0.02	<0.50	**7.6**	<5.0	<0.50	<5.0	**26.0**	**40.9**
RSB-64-5	5	1/4/2021	<5.0	<5.0	**49.6**	<0.50	**0.9**	**7.4**	NA	**4.4**	**7.9**	**1.8**	<0.02	<0.50	**5.6**	<5.0	<0.50	<5.0	**19.2**	**34.2**
RSB-64-10	10	1/4/2021	<5.0	<5.0	**96.2**	<0.50	**1.4**	**9.7**	NA	**7.6**	**7.6**	**2.5**	<0.02	<0.50	**6.5**	<5.0	<0.50	<5.0	**31.8**	**39.1**
RSB-64-15	15	1/4/2021	<5.0	<5.0	**114**	<0.50	**1.6**	**10.2**	NA	**9.0**	**8.4**	**2.1**	<0.02	<0.50	**7.0**	<5.0	<0.50	<5.0	**34.9**	**41.0**
RSB-65-1	1	12/29/2020	<5.0	<5.0	**115**	<0.50	**1.7**	**15.1**	NA	**9.2**	**12.9**	**3.8**	<0.02	<0.50	**9.9**	<5.0	<0.50	<5.0	**37.4**	**54.4**
RSB-65-3	3	12/29/2020	<5.0	<5.0	**118**	<0.50	**1.8**	**16.1**	NA	**9.9**	**15.2**	**3.7**	<0.02	<0.50	**11.2**	<5.0	<0.50	<5.0	**38.2**	**56.4**
RSB-65-5	5	12/29/2020	<5.0	<5.0	**97.4**	<0.50	**1.4**	**13.7**	NA	**8.1**	**12.8**	**2.8**	<0.02	<0.50	**9.4**	<5.0	<0.50	<5.0	**31.5**	**46.1**
RSB-66-2	2	1/6/2021	<5.0	<5.0	**424**	<0.50	**9.5**	**2,460**	NA	**5.5**	**163**	**8.8**	<0.02	**12.0**	**32.0**	<5.0	<0.50	<5.0	**305**	**77.5**
RSB-66-3	3	1/6/2021	<5.0	<5.0	**1,240**	<0.50	**6.2**	**199**	NA	**2.1**	**131**	**3.2**	<0.02	<0.50	**13.6**	<5.0	<0.50	<5.0	**228**	**18.3**
RSB-66-5	5	1/6/2021	<5.0	<5.0	**63.4**	<0.50	**0.9**	**10.5**	NA	**4.9**	**11.3**	**1.7**	<0.02	<0.50	**5.4**	<5.0	<0.50	<5.0	**21.2**	**32.5**
RSB-66-10	10	1/6/2021	<5.0	<5.0	**96.9**	<0.50	**1.4**	**12.8**	NA	**7.4**	**14.7**	**2.0**	<0.02	<0.50	**8.5**	<5.0	<0.50	<5.0	**29.9**	**40.8**
RSB-66-15	15	1/6/2021	<5.0	<5.0	**86.8**	<0.50	**1.2**	**10.0**	NA	**6.4**	**11.2**	**1.8**	<0.02	<0.50	**7.1**	<5.0	<0.50	<5.0	**26.2**	**37.0**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-66-20	20	1/6/2021	<5.0	<5.0	**73.8**	<0.50	**1.3**	**9.1**	NA	**6.7**	**7.8**	**1.8**	<0.02	<0.50	**5.4**	<5.0	<0.50	<5.0	**29.0**	**29.2**
RSB-66-25	25	1/6/2021	<5.0	<5.0	**86.6**	<0.50	**1.4**	**9.1**	NA	**6.4**	**9.0**	**2.4**	<0.02	<0.50	**6.1**	<5.0	<0.50	<5.0	**30.3**	**31.6**
RSB-67-1	1	1/6/2021	<5.0	<5.0	**292**	<0.50	**13.2**	**1,760**	NA	**10.2**	**374**	**60.9**	**0.035**	**23.2**	**97.6**	<5.0	<0.50	<5.0	**242**	**1,020**
RSB-67-3	3	1/6/2021	<5.0	<5.0	**270**	<0.50	**6.9**	**1,230**	NA	**5.4**	**177**	**47.0**	**0.031**	**8.9**	**33.8**	<5.0	<0.50	<5.0	**180**	**704**
RSB-67-5	5	1/6/2021	<5.0	<5.0	**53.1**	<0.50	**1.2**	**8.6**	NA	**5.0**	**9.1**	**6.7**	<0.02	<0.50	**7.3**	<5.0	<0.50	<5.0	**20.7**	**47.2**
RSB-67-10	10	1/6/2021	<5.0	<5.0	**100**	<0.50	**1.5**	**12.0**	NA	**7.3**	**13.6**	**1.8**	<0.02	<0.50	**8.0**	<5.0	<0.50	<5.0	**28.6**	**41.0**
RSB-67-15	15	1/6/2021	<5.0	<5.0	**81.1**	<0.50	**1.2**	**9.4**	NA	**5.6**	**10.3**	**1.7**	<0.02	<0.50	**6.4**	<5.0	<0.50	<5.0	**22.4**	**34.2**
RSB-67-20	20	1/6/2021	<5.0	<5.0	**52.3**	<0.50	**0.9**	**4.8**	NA	**4.2**	**5.4**	**1.3**	<0.02	<0.50	**3.8**	<5.0	<0.50	<5.0	**16.0**	**25.5**
RSB-67-25	25	1/6/2021	<5.0	<5.0	**73.9**	<0.50	**1.5**	**1.4**	NA	**4.9**	**3.7**	**1.0**	<0.02	<0.50	**1.0**	<5.0	<0.50	<5.0	**20.0**	**46.8**
RSB-68-1	1	12/22/2020	<5.0	<5.0	**75.9**	<0.50	**11.8**	**108**	<0.040	**26.3**	**344**	**46.7**	**0.030**	**14.7**	**82.9**	<5.0	<0.50	<5.0	**22.4**	**156**
RSB-68-3	3	12/22/2020	<5.0	<5.0	**130**	<0.50	**2.1**	**18.0**	NA	**9.2**	**13.2**	**2.6**	<0.02	<0.50	**10.0**	<5.0	<0.50	<5.0	**43.2**	**53.1**
RSB-68-5	5	12/22/2020	<5.0	<5.0	**87.9**	<0.50	**1.6**	**13.6**	NA	**7.2**	**10.2**	**2.1**	<0.02	<0.50	**8.7**	<5.0	<0.50	<5.0	**31.3**	**41.3**
RSB-68-10	10	12/22/2020	<5.0	<5.0	**87.9**	<0.50	**1.6**	**12.1**	NA	**7.2**	**7.8**	**1.9**	<0.02	<0.50	**7.3**	<5.0	<0.50	<5.0	**36.8**	**35.6**
RSB-68-15	15	12/22/2020	<5.0	<5.0	**107**	<0.50	**1.8**	**12.4**	NA	**7.8**	**9.0**	**1.8**	<0.02	<0.50	**8.2**	<5.0	<0.50	<5.0	**35.8**	**40.9**
RSB-68-20	20	12/22/2020	<5.0	<5.0	**215**	<0.50	**2.2**	**15.3**	NA	**10.9**	**14.3**	**2.6**	<0.02	<0.50	**15.4**	<5.0	<0.50	<5.0	**46.7**	**52.8**
RSB-68-25	25	12/22/2020	<5.0	<5.0	**105**	<0.50	**1.4**	**9.8**	NA	**6.8**	**6.8**	**1.7**	<0.02	<0.50	**6.6**	<5.0	<0.50	<5.0	**34.1**	**38.6**
RSB-69-1	1	12/21/2020	<5.0	<5.0	**111**	<0.50	**1.7**	**13.8**	NA	**8.3**	**12.0**	**2.3**	<0.02	<0.50	**9.2**	<5.0	<0.50	<5.0	**35.5**	**46.4**
RSB-69-3	3	12/21/2020	<5.0	<5.0	**97.2**	<0.50	**1.5**	**13.5**	NA	**7.6**	**9.8**	**2.0**	<0.02	<0.50	**9.4**	<5.0	<0.50	<5.0	**31.5**	**43.2**
RSB-69-5	5	12/21/2020	<5.0	<5.0	**77.7**	<0.50	**1.2**	**10.0**	NA	**6.1**	**8.4**	**1.9**	<0.02	<0.50	**7.0**	<5.0	<0.50	<5.0	**24.4**	**36.4**
RSB-69-10	10	12/21/2020	<5.0	<5.0	**79.9**	<0.50	**1.2**	**10.5**	NA	**6.4**	**8.9**	**1.7**	<0.02	<0.50	**7.2**	<5.0	<0.50	<5.0	**26.9**	**34.5**
RSB-69-15	15	12/21/2020	<5.0	<5.0	**108**	<0.50	**1.5**	**10.5**	NA	**7.5**	**6.3**	**2.0**	<0.02	<0.50	**7.3**	<5.0	<0.50	<5.0	**35.8**	**34.6**
RSB-70-W-1	1	11/3/2021	**9.0**	**9.5**	**300**	**0.45**	**1.0**	**1,200**	NA	**17**	**580**	**150**	**1.0**	**28**	**120**	**6.8**	**0.56**	**2.8**	**110**	**590**
RSB-70-W-3	3	11/3/2021	<3.0	**1.6**	**150**	<0.50	<0.50	**21**	NA	**10**	**19**	**6.1**	<0.17	<1.0	**15**	<3.0	<0.50	<3.0	**50**	**65**
RSB-70-W-5	5	11/3/2021	<2.9	**1.1**	**120**	<0.48	<0.48	**17**	NA	**8.0**	**14**	**4.5**	<0.15	<1.0	**12**	<2.9	<0.48	<2.9	**43**	**52**
RSB-70-E-1	1	11/3/2021	<3.1	**3.6**	**210**	<0.52	**1.5**	**370**	NA	**11**	**120**	**91**	**0.16**	**8.3**	**46**	<3.1	<0.52	<3.1	**73**	**510**
RSB-70-E-3	3	11/3/2021	<2.9	**1.9**	**150**	<0.48	<0.48	**46**	NA	**9.9**	**30**	**13**	<0.15	**1.5**	**19**	<2.9	<0.48	<2.9	**52**	**99**
RSB-70-E-5	5	11/3/2021	<2.7	**1.1**	**110**	<0.44	<0.44	**17**	NA	**7.3**	**13**	**4.4**	<0.16	<0.88	**11**	<2.7	<0.44	<2.7	**40**	**49**
SB-1-1	1	11/4/2021	**2.8**	**6.1**	**82.0**	<0.43	<0.43	**110**	NA	**13**	**160**	**33**	<0.16	**11**	**83**	<2.6	<0.43	<2.6	**44**	**180**
SB-1-3	3	11/4/2021	<2.9	**1.3**	**130**	<0.48	<0.48	**29**	NA	**8.1**	**16**	**4.2**	<0.14	<0.96	**13**	<2.9	<0.48	<2.9	**46**	**53**
SB-2-1	1	11/4/2021	**4.8**	**3.9**	**310**	**0.77**	<0.52	**640**	NA	**13**	**280**	**69**	<0.15	**22**	**110**	**4.1**	<0.52	<3.1	**140**	**390**
SB-2-3	3	11/4/2021	**2.8**	**4.3**	**180**	<0.45	**2.6**	**190**	NA	**11**	**190**	**320**	**0.25**	**8.7**	**50**	<2.7	<0.45	<2.7	**59**	**730**
SB-3-1	1	11/4/2021	<2.8	**2.6**	**240**	**0.49**	<0.47	**310**	NA	**9.3**	**100**	**41**	<0.16	**7.2**	**43**	<2.8	<0.47	<2.8	**100**	**380**
SB-3-3	3	11/4/2021	<2.8	**2.8**	**150**	<0.46	<0.46	**100**	NA	**10**	**110**	**61**	<0.14	**5.7**	**43**	<2.8	<0.46	<2.8	**55**	**250**
RR-1-.5	0.5	11/8/2021	<2.8	**3.2**	**340**	**2.40**	<0.46	**170**	NA	**5.9**	**130**	**24**	<0.16	**9.4**	**48**	<2.8	**0.53**	<2.8	**53**	**180**
RR-1-1.5	1.5	11/8/2021	<2.8	**3.3**	**270**	**1.70**	<0.47	**190**	NA	**6.7**	**120**	**21**	<0.15	**9.0**	**46**	<2.8	**0.61**	<2.8	**66**	**170**
RR-2-.5	0.5	11/8/2021	<2.8	**4.9**	**160**	**0.83**	**1.2**	**85**	NA	**9.1**	**92**	**54**	<0.14	**7.9**	**48**	<2.8	<0.47	<2.8	**43**	**310**
RR-2-1.5	1.5	11/8/2021	<2.9	**3.9**	**130**	**0.59**	<0.49	**62**	NA	**11**	**91**	**33**	<0.15	**6.8**	**42**	<2.9	<0.49	<2.9	**44**	**190**
RR-3-.5	0.5	11/8/2021	**8.8**	**12**	**310**	**0.62**	**13**	**1,100**	NA	**24**	**530**	**330**	<0.16	**37**	**180**	**4.3**	**0.98**	**2.9**	**120**	**1,900**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A/7199**																	
Unit			**mg/kg**																	
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**6.2**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**6.3**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RR-3-1.5	1.5	11/8/2021	**5.7**	**8.9**	**250**	**0.77**	**5.8**	**420**	NA	**20**	**320**	**290**	**0.16**	**20**	**87**	<2.9	<0.49	<2.9	**49**	**1,200**
RR-4-.5	0.5	11/8/2021	**5.7**	**8.7**	**340**	**0.56**	**3.0**	**600**	NA	**17**	**300**	**190**	**0.15**	**20**	**95**	**4.1**	**0.70**	<3.0	**99**	**1,000**
RR-4-1.5	1.5	11/8/2021	<2.8	**1.8**	**130**	<0.47	<0.47	**110**	NA	**7.4**	**35**	**19**	<0.14	**2.1**	**16**	<2.8	<0.47	<2.8	**48**	**130**
RR-5-.5	0.5	11/8/2021	**5.3**	**5.7**	**190**	**0.53**	**1.2**	**500**	NA	**14**	**300**	**110**	<0.16	**20**	**79**	**5.8**	**0.81**	<2.8	**110**	**450**
RR-5-1.5	1.5	11/8/2021	**5.4**	**8.2**	**240**	**0.50**	**3.5**	**500**	NA	**21**	**440**	**170**	<0.17	**24**	**120**	**3.4**	**0.65**	<2.8	**110**	**840**
RR-6-.5	0.5	11/8/2021	**3.9**	**4.5**	**240**	<0.47	**0.55**	**430**	NA	**11**	**210**	**67**	<0.16	**13**	**68**	**3.1**	<0.47	<2.8	**96**	**470**
RR-6-1.5	1.5	11/8/2021	<3.1	**1.2**	**110**	<0.52	<0.52	**48**	NA	**7.0**	**24**	**9.0**	<0.14	**1.1**	**14**	<3.1	<0.52	<3.1	**46**	**70**
RR-7-.5	0.5	11/8/2021	<2.8	**5.9**	**170**	<0.47	**1.9**	**250**	NA	**14**	**230**	**160**	<0.15	**11**	**63**	<2.8	<0.47	<2.8	**61**	**570**
RR-7-1.5	1.5	11/8/2021	<3.1	**6.0**	**140**	<0.52	**1.7**	**170**	NA	**17**	**210**	**150**	<0.14	**10**	**74**	<3.1	<0.52	<3.1	**57**	**480**
RR-8-.5	0.5	11/8/2021	<3.3	**4.5**	**99**	<0.55	<0.55	**110**	NA	**5.3**	**42**	**18**	<0.16	**3.1**	**20**	<3.3	<0.55	<3.3	**41**	**120**
RR-8-1.5	1.5	11/8/2021	<2.9	**3.9**	**77**	<0.48	<0.48	**69**	NA	**4.5**	**25**	**13**	<0.17	**2.2**	**16**	<2.9	<0.48	<2.9	**63**	**79**
RR-9-.5	0.5	11/8/2021	**4.7**	**5.3**	**300**	**0.71**	**3.0**	**500**	NA	**22**	**320**	**200**	**0.23**	**16**	**77**	**4.5**	**1.0**	<2.9	**210**	**870**
RR-9-1.5	1.5	11/8/2021	**3.3**	**4.9**	**210**	**0.51**	**4.4**	**350**	NA	**23**	**290**	**220**	**0.39**	**11**	**61**	**4.1**	**0.79**	<2.6	**110**	**1,400**
RR-10-.5	0.5	11/8/2021	<3.1	**1.9**	**90**	<0.52	<0.52	**36**	NA	**5.9**	**20**	**5.9**	<0.15	**2.2**	**16**	<3.1	<0.52	<3.1	**41**	**46**
RR-10-1.5	1.5	11/8/2021	<3.0	**1.7**	**120**	<0.50	<0.50	**15**	NA	**7.1**	**12**	**4.0**	<0.16	<0.99	**9.3**	<3.0	<0.50	<3.0	**44**	**43**
RR-11-.5	0.5	11/8/2021	<2.8	**4.6**	**93**	<0.46	<0.46	**54**	NA	**6.0**	**21**	**9.9**	<0.15	**1.3**	**14**	<2.8	<0.46	<2.8	**37**	**76**
RR-11-1.5	1.5	11/8/2021	<2.8	**3.9**	**73**	<0.47	<0.47	**34**	NA	**3.7**	**15**	**9.0**	<0.15	**1.2**	**12**	<2.8	<0.47	<2.8	**23**	**64**
RR-12-.5	0.5	11/8/2021	**8.0**	**13**	**300**	**0.79**	<0.44	**710**	NA	**18**	**450**	**67**	<0.16	**33**	**170**	**4.9**	**0.85**	<2.7	**150**	**560**
RR-12-1.5	1.5	11/8/2021	**9.7**	**14**	**250**	**0.65**	<0.50	**770**	NA	**23**	**520**	**71**	<0.15	**39**	**250**	**4.0**	<0.50	**3.1**	**120**	**370**
RR-13-.5	0.5	11/8/2021	<2.8	**2.5**	**280**	**2.5**	<0.46	**19**	NA	**4.9**	**15**	**6.5**	<0.16	<0.93	**8.2**	<2.8	<0.46	<2.8	**33**	**83**
RR-13-1.5	1.5	11/8/2021	<2.9	**1.5**	**120**	**0.61**	<0.48	**15**	NA	**6.6**	**12**	**3.9**	<0.16	<0.95	**10**	<2.9	<0.48	<2.9	**41**	**46**
RR-14-.5	0.5	11/8/2021	<2.9	**15**	**50**	<0.48	<0.48	**28**	NA	**5.4**	**18**	**18**	<0.14	**1.2**	**17**	<2.9	<0.48	<2.9	**28**	**76**
RR-14-1.5	1.5	11/8/2021	<3.0	**11**	**95**	<0.51	**0.60**	**38**	NA	**7.5**	**44**	**35**	<0.16	**2.7**	**20**	<3.0	<0.51	<3.0	**31**	**150**
RR-15-.5	0.5	11/8/2021	<2.7	**1.4**	**130**	<0.45	<0.45	**19**	NA	**8.2**	**16**	**4.7**	<0.14	<0.90	**13**	<2.7	<0.45	<2.7	**46**	**53**
RR-15-1.5	1.5	11/8/2021	<2.8	**1.1**	**150**	<0.47	<0.47	**23**	NA	**9.1**	**19**	**6.8**	<0.16	<0.94	**17**	<2.8	<0.47	<2.8	**49**	**60**
RR-16-.5	0.5	11/8/2021	<3.0	<1.0	**100**	<0.51	<0.51	**13**	NA	**5.7**	**10**	**3.9**	<0.14	<1.0	**8.5**	<3.0	<0.51	<3.0	**38**	**36**
RR-16-1.5	1.5	11/8/2021	<2.8	**1.6**	**110**	<0.46	<0.46	**17**	NA	**7.3**	**13**	**5.2**	<0.17	<0.92	**11**	<2.8	<0.46	<2.8	**45**	**45**
RR-17-.5	0.5	11/8/2021	<3.1	**2.4**	**290**	**2.2**	**1.1**	**190**	NA	**4.2**	**53**	**52**	<0.16	**2.9**	**18**	<3.1	<0.52	<3.1	**48**	**290**
RR-17-1.5	1.5	11/8/2021	<3.1	**2.5**	**300**	**2.1**	<0.52	**200**	NA	**6.5**	**110**	**37**	<0.16	**7.0**	**39**	<3.1	<0.52	<3.1	**68**	**250**
RR-18-.5	0.5	11/8/2021	<3.0	**1.2**	**120**	<0.51	<0.51	**17**	NA	**6.9**	**14**	**5.9**	<0.15	<1.0	**11**	<3.0	<0.51	<3.0	**42**	**52**
RR-18-1.5	1.5	11/8/2021	<2.9	**1.0**	**110**	<0.48	<0.48	**17**	NA	**6.3**	**12**	**4.6**	<0.15	<0.96	**11**	<2.9	<0.48	<2.9	**40**	**44**
RR-19-.5	0.5	11/8/2021	**6.2**	**7.1**	**530**	**0.78**	**5.50**	**830**	NA	**11**	**330**	**210**	<0.14	**24**	**92**	**8.7**	**1.8**	**3.4**	**150**	**1,500**
RR-19-1.5	1.5	11/8/2021	**3.5**	**5.3**	**350**	**0.94**	**3.70**	**540**	NA	**7.9**	**190**	**140**	<0.16	**13**	**55**	**4.8**	**1.0**	<2.9	**100**	**970**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Notes:
ft bgs = feet below ground surface
USEPA = United States Environmental Protection Agency
mg/kg = milligrams per kilogram
DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)
USEPA Commercial/Industrial Soil RSL = USEPA Regional Screening Level for Commercial/Industrial Soil (May 2022)
[1]California Upper Confidence Limit = background arsenic concentration of 12.0 mg/kg; DTSC HERO HHRA Note 11 (December 2020)
NS = no standard established
NA = not applicable
Shading indicates sample collected by Ramboll
Bold indicates that value exceeds laboratory reporting limit
Italics indicate sample is a duplicate
<X = analyte not detected above laboratory reporting limit
Cells highlighted in orange exceed either one or both SLs
Lowest of the cancer and non-cancer endpoint screening levels are listed

Table 3
Soil Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1,2,4-Trimethylbenzene	Acetone	Benzene	Ethylbenzene	m,p-Xylenes	Methylene Chloride	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Other Analyzed VOCs
Analytical Method			USEPA Method 8260B												
Unit			µg/kg												
DTSC Commercial/Industrial Soil SL			NS	NS	1,400	NS	NS	26,000	6,500	NS	NS	2,700	5,300,000	NS	varies
USEPA Industrial Soil RSL			1,800,000	1,100,000,000	5,100	25,000	2,400,000	1,000,000	8,600	2,800,000	6,500,000	100,000	47,000,000	6,000	varies
RSB-01-1	1	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-01-3	3	12/18/2020	<1.0	NA	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-01-5	5	1/6/2021	<1.0	NA	**2.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-02-1	1	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-02-3	3	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-02-5	5	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-03-1	1	1/7/2021	<1.0	NA	**3.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**2.1**	<1.0	ND
RSB-03-3	3	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-03-5	5	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-04-1	1	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-04-3	3	1/6/2021	<1.0	NA	**1.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-04-5	5	1/6/2021	<1.0	NA	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-05-1	1	12/18/2020	<1.0	NA	**1.8**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-05-3	3	12/18/2020	<1.0	NA	**1.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-05-5	5	12/18/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-06-1	1	12/29/2020	<1.0	NA	**3.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.3**	<1.0	ND
RSB-06-3	3	12/29/2020	<1.0	NA	**2.4**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	**1.0**	<1.0	ND
RSB-06-5	5	12/29/2020	<1.0	NA	**3.8**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.6**	<1.0	ND
RSB-07-1	1	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-07-3	3	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-07-5	5	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-08-1	1	12/17/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-08-3	3	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-08-5	5	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-09-1	1	12/17/2020	<1.0	NA	**1.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-09-3	3	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-09-5	5	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-10-1	1	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-10-3	3	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-10-5	5	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-11-1	1	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-11-3	3	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-11-5	5	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-12-1	1	1/5/2021	<1.0	NA	**1.2**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	**1.5**	<1.0	ND
RSB-12-3	3	1/5/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-12-5	5	1/5/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-13-1	1	12/18/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-13-3	3	1/6/2021	<1.0	NA	**2.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-13-5	5	1/6/2021	<1.0	NA	**6.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.5**	<1.0	ND
RSB-14-1	1	12/17/2020	<1.0	NA	**2.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-14-3	3	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-14-5	5	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-15-1	1	12/17/2020	<1.0	NA	**1.9**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-15-3	3	12/17/2020	<1.0	NA	**1.9**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-15-5	5	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-16-1	1	12/16/2020	<1.0	NA	**19.5**	**1.4**	<2.0	<1.0	<1.0	**3.4**	<50	<1.0	**4.5**	<1.0	ND
RSB-16-3	3	12/16/2020	<1.0	NA	**2.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-16-4	4	12/16/2020	<1.0	NA	**5.8**	<1.0	<2.0	<1.0	<1.0	**1.2**	<50	<1.0	**2.2**	<1.0	ND
RSB-16-5	5	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-17-1	1	12/16/2020	<1.0	NA	**2.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-17-3	3	1/7/2021	<1.0	NA	**3.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-17-5	5	1/7/2021	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-18-1	1	12/17/2020	<1.0	NA	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-18-3	3	12/17/2020	<1.0	NA	**2.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-18-5	5	12/17/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-19-1	1	12/16/2020	<1.0	NA	**1.8**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**2.0**	<1.0	ND
RSB-19-3	3	12/16/2020	<1.0	NA	**1.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.5**	<1.0	ND
RSB-19-5	5	12/16/2020	<1.0	NA	**1.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-20-1	1	12/14/2020	<1.0	NA	**1.4**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-20-2	2	12/14/2020	<1.0	NA	**1.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-20-3	3	1/7/2021	<1.0	NA	**1.4**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-20-5	5	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-20-Stepout-1	1	12/16/2020	<1.0	NA	**2.7**	<1.0	**2.5**	<1.0	<1.0	<1.0	<50	<1.0	**3.6**	<1.0	ND
RSB-20-Stepout-3	3	12/16/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.7**	<1.0	ND
RSB-21-1	1	12/16/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.6**	<1.0	ND
RSB-21-3	3	12/16/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-21-5	5	12/16/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**2.5**	<1.0	ND
RSB-22-1	1	12/14/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-22-3	3	12/14/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-22-5	5	12/14/2020	<1.0	NA	**2.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-23-1	1	12/14/2020	<1.0	NA	**1.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.3**	<1.0	ND
RSB-23-3	3	1/8/2021	<1.0	NA	**2.4**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-23-5	5	1/8/2021	<1.0	NA	**1.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-23-Stepout-1	1	12/15/2020	<1.0	NA	**2.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-23-Stepout-3	3	12/15/2020	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-24-2	2	12/15/2020	<1.0	NA	**1.9**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-24-3	3	12/15/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-24-5	5	12/15/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-25-1	1	12/24/2020	<1.0	NA	**1.8**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-25-3	3	12/24/2020	<1.0	NA	**1.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-25-5	5	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-25-10	10	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-25-15	15	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-26-1	1	1/5/2021	<1.0	NA	**2.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-26-3	3	1/5/2021	<1.0	NA	**2.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.5**	<1.0	ND
RSB-26-5	5	1/5/2021	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-27-1	1	12/22/2020	<1.0	NA	**1.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-27-3	3	12/22/2020	<1.0	NA	**1.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-27-5	5	12/22/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-27-10	10	12/22/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-27-15	15	12/22/2020	<1.0	NA	**2.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.3**	<1.0	ND
RSB-28-1	1	12/21/2020	<1.0	NA	**4.1**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	**2.5**	<1.0	ND
RSB-28-3	3	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-28-5	5	12/21/2020	<1.0	NA	<1.0	**1.9**	**5.6**	<1.0	<1.0	**1.7**	<50	<1.0	<1.0	<1.0	ND
RSB-28-10	10	12/21/2020	**2.8**	NA	**3.3**	<1.0	**3.0**	<1.0	<1.0	**1.5**	<50	<1.0	**2.9**	<1.0	ND

Table 3
Soil Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1,2,4-Trimethylbenzene	Acetone	Benzene	Ethylbenzene	m,p-Xylenes	Methylene Chloride	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Other Analyzed VOCs
Analytical Method			**USEPA Method 8260B**												
Unit			**µg/kg**												
DTSC Commercial/Industrial Soil SL			**NS**	**NS**	**1,400**	**NS**	**NS**	**26,000**	**6,500**	**NS**	**NS**	**2,700**	**5,300,000**	**NS**	**varies**
USEPA Industrial Soil RSL			**1,800,000**	**1,100,000,000**	**5,100**	**25,000**	**2,400,000**	**1,000,000**	**8,600**	**2,800,000**	**6,500,000**	**100,000**	**47,000,000**	**6,000**	**varies**
RSB-28-15	15	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-28-20	20	12/21/2020	**1.3**	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-28-25	25	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-28-30	30	12/21/2020	**1.3**	NA	**1.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.3**	<1.0	ND
RSB-28-R4-5	5	3/2/2022	<7.6	<150	<7.6	<7.6	<15	<7.6	<7.6	<7.6	<15	<7.6	<7.6	<7.6	ND
RSB-28-R4-15	15	3/2/2022	<5.0	<100	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	ND
RSB-28-R5-5	5	3/3/2022	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-28-R5-15	15	3/3/2022	<3.8	<76	<3.8	<3.8	<7.6	<3.8	<3.8	<3.8	<7.6	<3.8	<3.8	<3.8	ND
RSB-28-R6-5	5	3/2/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-28-R6-15	15	3/2/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-28-R7-5	5	3/2/2022	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	ND
RSB-28-R7-15	15	3/2/2022	<13	<260	<13	<13	<26	<13	<13	<13	<26	<13	<13	<13	ND
RSB-28-R8-15	15	3/2/2022	<5.3	<110	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	ND
RSB-29-1	1	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**2.1**	<1.0	ND
RSB-29-3	3	12/21/2020	<1.0	NA	**2.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-29-5	5	12/21/2020	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-29-10	10	12/21/2020	<1.0	NA	<1.0	<1.0	**2.1**	<1.0	<1.0	**2.3**	<50	<1.0	<1.0	<1.0	ND
RSB-29-15	15	12/21/2020	<1.0	NA	**2.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.5**	<1.0	ND
RSB-29-20	20	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-29-25	25	12/21/2020	**2.1**	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-29-30	30	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-29-R4-5	5	3/2/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-29-R4-15	15	3/2/2022	<3.8	<77	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	ND
RSB-29-R5-5	5	3/2/2022	<3.7	<74	<3.7	<3.7	<7.4	<3.7	<3.7	<3.7	<7.4	<3.7	<3.7	<3.7	ND
RSB-29-R5-15	15	3/2/2022	<4.5	<91	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RSB-29-R6-5	5	3/3/2022	<4.4	<88	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	ND
RSB-29-R6-15	15	3/3/2022	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-29-R7-5	5	3/2/2022	<6.4	<130	<6.4	<6.4	<13	<6.4	<6.4	<6.4	<13	<6.4	<6.4	<6.4	ND
RSB-29-R7-15	15	3/2/2022	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
RSB-29-R8-15	15	3/2/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-29-R9-15	15	3/2/2022	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-30-1	1	12/21/2020	<1.0	NA	**2.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.6**	<1.0	ND
RSB-30-3	3	12/21/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-30-5	5	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-30-10	10	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-30-15	15	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-30-R4-5	5	3/4/2022	<6.0	<120	<6.0	<6.0	<12	<6.0	<6.0	<6.0	**14**	<6.0	<6.0	<6.0	ND
RSB-30-R4-15	15	3/4/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-30-R5-5	5	3/4/2022	<5.0	<100	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	ND
RSB-30-R5-15	15	3/4/2022	<6.9	<140	<6.9	<6.9	<14	<6.9	<6.9	<6.9	<14	<6.9	<6.9	<6.9	ND
RSB-30-R6-35	35	3/4/2022	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
RSB-31-1	1	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-31-3	3	1/4/2021	<1.0	NA	**1.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-31-5	5	1/4/2021	<1.0	NA	**1.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-32-1	1	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-32-3	3	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-32-5	5	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-32-10	10	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-32-15	15	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-32-20	20	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-32-25	25	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-32-30	30	12/24/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-33-3	3	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-33-5	5	12/21/2020	<1.0	NA	**4.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-33-10	10	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-33-15	15	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-34-1	1	12/28/2020	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-34-3	3	1/7/2021	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-34-5	5	1/7/2021	<1.0	NA	**7.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**3.3**	<1.0	ND
RSB-34-10	10	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-34-15	15	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-34-20	20	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-34-25	25	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-35-1	1	12/23/2020	<1.0	NA	**1.4**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-35-3	3	12/23/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-35-5	5	12/23/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-35-10	10	12/23/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-35-15	15	12/23/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-35-20	20	12/23/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-35-25	25	12/23/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-36-1	1	12/23/2020	**1.7**	NA	**35.2**	**4.0**	**5.5**	<1.0	<1.0	**2.9**	<50	<1.0	**22**	<1.0	ND
RSB-36-3	3	1/6/2021	<1.0	NA	**3.4**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**2.0**	<1.0	ND
RSB-36-5	5	1/6/2021	<1.0	NA	**1.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-36-10	10	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-37-1	1	1/7/2021	<1.0	NA	**3.1**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	**1.9**	<1.0	ND
RSB-37-3	3	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-37-5	5	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-37-10	10	1/7/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-38-1	1	12/29/2020	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.3**	<1.0	ND
RSB-38-3	3	12/29/2020	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-38-5	5	12/29/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-38-R4-5	5	3/4/2022	<6.8	<140	<6.8	<6.8	<14	<6.8	<6.8	<6.8	<14	<6.8	<6.8	<6.8	ND
RSB-38-R4-15	15	3/4/2022	<6.4	<130	<6.4	<6.4	<13	<6.4	<6.4	<6.4	<13	<6.4	<6.4	<6.4	ND
RSB-38-R5-5	5	3/4/2022	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	**8.6**	<4.2	<4.2	<4.2	ND
RSB-38-R5-15	15	3/4/2022	<5.6	<110	<5.6	<5.6	<11	<5.6	<5.6	<5.6	**14**	<5.6	<5.6	<5.6	ND
RSB-38-R6-5	5	3/3/2022	<5.3	<110	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	ND
RSB-38-R6-15	15	3/3/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-38-R7-35	35	3/3/2022	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	ND
RSB-39-1	1	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-39-3	3	1/4/2021	<1.0	NA	**1.7**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-39-5	5	1/4/2021	<1.0	NA	**1.9**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-43-1	1	12/23/2020	<1.0	NA	**3.2**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-43-3	3	12/23/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-43-5	5	12/23/2020	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-43-10	10	12/23/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND

Table 3
Soil Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1,2,4-Trimethylbenzene	Acetone	Benzene	Ethylbenzene	m,p-Xylenes	Methylene Chloride	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Other Analyzed VOCs
Analytical Method			**USEPA Method 8260B**												
Unit			**µg/kg**												
DTSC Commercial/Industrial Soil SL			**NS**	**NS**	**1,400**	**NS**	**NS**	**26,000**	**6,500**	**NS**	**NS**	**2,700**	**5,300,000**	**NS**	**varies**
USEPA Industrial Soil RSL			**1,800,000**	**1,100,000,000**	**5,100**	**25,000**	**2,400,000**	**1,000,000**	**8,600**	**2,800,000**	**6,500,000**	**100,000**	**47,000,000**	**6,000**	**varies**
RSB-43-15	15	12/23/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-44-1	1	12/21/2020	<1.0	NA	**3.9**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.7**	<1.0	ND
RSB-44-3	3	12/21/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-44-5	5	12/21/2020	<1.0	NA	**3.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-44-10	10	12/21/2020	<1.0	NA	**3.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**2.1**	<1.0	ND
RSB-44-15	15	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-46-1	1	12/18/2020	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-46-3	3	12/18/2020	<1.0	NA	**6.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**3.5**	<1.0	ND
RSB-46-Stepout-1	1	1/5/2021	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-46-Stepout-3	3	1/5/2021	<1.0	NA	**2.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.4**	<1.0	ND
RSB-46-Stepout-5	5	1/5/2021	<1.0	NA	**2.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-47-Stepout-1	1	1/5/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-47-Stepout-3	3	1/5/2021	<1.0	NA	**3.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.5**	<1.0	ND
RSB-47-Stepout-5	5	1/5/2021	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-48-1	1	12/28/2020	<1.0	NA	**1.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-48-3	3	12/28/2020	<1.0	NA	**1.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-48-5	5	12/28/2020	<1.0	NA	**1.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-49-1	1	12/28/2020	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-49-3	3	12/28/2020	<1.0	NA	**1.8**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-49-5	5	12/28/2020	<1.0	NA	**1.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-50-1	1	12/29/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-50-3	3	12/29/2020	<1.0	NA	**3.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-50-5	5	12/29/2020	<1.0	NA	**1.9**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-51-1	1	12/28/2020	<1.0	NA	**1.5**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-51-3	3	12/28/2020	<1.0	NA	**1.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-51-5	5	12/28/2020	<1.0	NA	**1.8**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-52-1	1	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-52-3	3	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-52-5	5	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-53-1	1	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-53-3	3	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-53-5	5	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-53-R8-5	5	3/3/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-53-R8-15	15	3/3/2022	<4.3	<86	<4.3	<4.3	<8.6	<4.3	<4.3	<4.3	<8.6	<4.3	<4.3	<4.3	ND
RSB-53-R9-5	5	3/2/2022	<6.4	<130	<6.4	<6.4	<13	<6.4	<6.4	<6.4	<13	<6.4	<6.4	<6.4	ND
RSB-53-R9-15	15	3/2/2022	<6.3	<130	<6.3	<6.3	<13	<6.3	<6.3	<6.3	**13**	<6.3	<6.3	<6.3	ND
RSB-53-R10-5	5	3/3/2022	<5.7	<110	<5.7	<5.7	<11	<5.7	<5.7	<5.7	**13**	<5.7	<5.7	<5.7	ND
RSB-53-R10-15	15	3/3/2022	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RSB-53-R11-5	5	3/3/2022	<4.8	<96	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	ND
RSB-53-R11-15	15	3/3/2022	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
RSB-53-R12-15	15	3/3/2022	<4.8	<96	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	ND
RSB-53-R13-15	15	3/3/2022	<5.1	<100	<5.1	<5.1	<10	<5.1	<5.1	<5.1	<10	<5.1	<5.1	<5.1	ND
RSB-53-R14-35	35	3/3/2022	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
RSB-53-R15-15	15	3/3/2022	<5.1	<100	<5.1	<5.1	<10	<5.1	<5.1	<5.1	<10	<5.1	<5.1	<5.1	ND
RSB-53-R15-35	35	3/3/2022	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	ND
RSB-54-1	1	12/30/2020	<1.0	NA	**2.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	**53.8**	**1.0**	<1.0	ND
RSB-54-3	3	12/30/2020	<1.0	NA	**1.4**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-54-5	5	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	**29.3**	<1.0	<1.0	ND
RSB-54-E3-35	35	3/3/2022	<5.0	<100	<5.0	<5.0	<10	<5.0	<5.0	<5.0	**23**	<5.0	<5.0	<5.0	ND
RSB-54-E4-5	5	3/3/2022	<5.6	<110	<5.6	<5.6	<11	<5.6	<5.6	<5.6	**13**	<5.6	<5.6	<5.6	ND
RSB-54-E4-15	15	3/3/2022	<4.4	<88	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	ND
RSB-54-E4-35	35	3/3/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-54-NE-5	5	3/3/2022	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RSB-54-NE-15	15	3/3/2022	<4.0	<81	<4.0	<4.0	<8.1	<4.0	<4.0	<4.0	<8.1	<4.0	<4.0	<4.0	ND
RSB-54-NE-35	35	3/3/2022	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RSB-54-S2-5	5	3/3/2022	<7.6	<150	<7.6	<7.6	<15	<7.6	<7.6	<7.6	<15	<7.6	<7.6	<7.6	ND
RSB-54-S2-15	15	3/3/2022	<4.1	<82	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	ND
RSB-54-S2-35	35	3/3/2022	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-54-SE-5	5	3/3/2022	<6.1	<120	<6.1	<6.1	<12	<6.1	<6.1	<6.1	**17**	<6.1	<6.1	<6.1	ND
RSB-54-SE-15	15	3/3/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-54-SE-35	35	3/3/2022	<4.8	<96	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	ND
RSB-55-3	3	12/31/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-55-5	5	12/31/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-56-1	1	12/31/2020	<1.0	NA	**1.5**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-56-3	3	12/31/2020	<1.0	NA	1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-56-5	5	12/31/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-57-1	1	12/31/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	**0.9**	**2.0**	<1.0	ND
RSB-57-3	3	1/7/2021	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-57-5	5	1/7/2021	<1.0	NA	**1.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-58-1	1	12/16/2020	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.8**	<1.0	ND
RSB-58-3	3	12/16/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-58-5	5	12/16/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-58-S-1	1	11/3/2021	<4.5	<91	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RSB-58-S-3	3	11/3/2021	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-58-S-5	5	11/3/2021	<5.2	<100	<5.2	<5.2	<10	<5.2	<5.2	<5.2	<10	<5.2	<5.2	<5.2	ND
RSB-58-W-1	1	11/3/2021	<4.1	<82	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	ND
RSB-58-W-3	3	11/3/2021	<4.5	<91	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RSB-58-W-5	5	11/3/2021	<5.3	<110	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	ND
RSB-59-1	1	12/24/2020	<1.0	NA	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-59-3	3	12/24/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-59-5	5	1/6/2021	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-59-10	10	1/6/2021	<1.0	NA	**3.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-59-15	15	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-60-1	1	12/28/2020	<1.0	NA	**4.9**	**1.1**	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**2.6**	<1.0	ND
RSB-60-3	3	12/28/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-60-5	5	12/28/2020	<1.0	NA	**1.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-60-R5-5	5	3/4/2022	<4.7	<94	<4.7	<4.7	<9.4	<4.7	<4.7	<4.7	**19**	<4.7	<4.7	<4.7	ND
RSB-60-R5-15	15	3/4/2022	<3.9	<78	<3.9	<3.9	<7.8	<3.9	<3.9	<3.9	<7.8	<3.9	<3.9	<3.9	ND
RSB-60-R6-5	5	3/4/2022	<4.4	<88	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	ND
RSB-60-R6-15	15	3/4/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-60-R8-15	15	3/4/2022	<3.8	<77	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	**8.1**	<3.8	<3.8	<3.8	ND
RSB-60-R8-35	35	3/4/2022	<2.4	<48	<2.4	<2.4	<4.8	<2.4	<2.4	<2.4	<4.8	<2.4	<2.4	<2.4	ND
RSB-61-1	1	12/15/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-61-3	3	12/15/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-61-5	5	12/15/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND

Table 3
Soil Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1,2,4-Trimethylbenzene	Acetone	Benzene	Ethylbenzene	m,p-Xylenes	Methylene Chloride	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Other Analyzed VOCs
Analytical Method			**USEPA Method 8260B**												
Unit			**µg/kg**												
DTSC Commercial/Industrial Soil SL			**NS**	**NS**	**1,400**	**NS**	**NS**	**26,000**	**6,500**	**NS**	**NS**	**2,700**	**5,300,000**	**NS**	**varies**
USEPA Industrial Soil RSL			**1,800,000**	**1,100,000,000**	**5,100**	**25,000**	**2,400,000**	**1,000,000**	**8,600**	**2,800,000**	**6,500,000**	**100,000**	**47,000,000**	**6,000**	**varies**
RSB-63-1	1	12/29/2020	<1.0	NA	**2.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-63-3	3	12/29/2020	<1.0	NA	**2.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-63-5	5	12/29/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-64-3	3	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-64-5	5	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-64-10	10	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-64-15	15	1/4/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-65-1	1	12/29/2020	<1.0	NA	**1.9**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-65-3	3	12/29/2020	<1.0	NA	**4.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.4**	<1.0	ND
RSB-65-5	5	12/29/2020	<1.0	NA	**1.9**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-66-2	2	1/6/2021	<1.0	NA	**1.7**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-66-3	3	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-66-5	5	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-66-10	10	1/6/2021	<1.0	NA	**2.4**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-66-15	15	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-66-20	20	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-66-25	25	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-67-1	1	1/6/2021	<1.0	NA	**3.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.3**	<1.0	ND
RSB-67-3	3	1/6/2021	<1.0	NA	**2.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-67-5	5	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-67-10	10	1/6/2021	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-67-15	15	1/6/2021	<1.0	NA	**1.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-67-20	20	1/6/2021	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-67-25	25	1/6/2021	<1.0	NA	**1.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-68-1	1	12/22/2020	<1.0	NA	**3.6**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	**2.7**	<1.0	ND
RSB-68-3	3	12/22/2020	<1.0	NA	**1.8**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-68-5	5	12/22/2020	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-68-10	10	12/22/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-68-15	15	12/22/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-68-20	20	12/22/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-68-25	25	12/22/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-69-1	1	12/21/2020	<1.0	NA	**2.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-69-3	3	12/21/2020	<1.0	NA	**2.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**2.5**	<1.0	ND
RSB-69-5	5	12/21/2020	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-69-10	10	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-69-15	15	12/21/2020	<1.0	NA	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-70-W-1	1	11/3/2021	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	<8	<4.2	<4.2	<4.2	ND
RSB-70-W-3	3	11/3/2021	<5.6	<110	<5.6	<5.6	<11	<5.6	<5.6	<5.6	<11	<5.6	<5.6	<5.6	ND
RSB-70-W-5	5	11/3/2021	<4.8	<96	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	ND
RSB-70-E-1	1	11/3/2021	<5.2	<100	<5.2	<5.2	<10	<5.2	<5.2	<5.2	<10	<5.2	<5.2	<5.2	ND
RSB-70-E-3	3	11/3/2021	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
RSB-70-E-5	5	11/3/2021	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
SB-1-1	1	11/4/2021	<5.1	<100	<5.1	<5.1	<10	<5.1	<5.1	<5.1	**13**	<5.1	<5.1	<5.1	ND
SB-1-3	3	11/4/2021	<6.0	<120	<6.0	<6.0	<12	<6.0	<6.0	<6.0	<12	<6.0	<6.0	<6.0	ND
SB-2-1	1	11/4/2021	<5.0	<100	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	ND
SB-2-3	3	11/4/2021	<13.0	<260	<13	<13	<26	<13.0	<13.0	<13.0	**28**	<13	<13	<13	ND
SB-3-1	1	11/4/2021	<5.4	<110	**6.2**	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
SB-3-3	3	11/4/2021	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RR-1-.5	0.5	11/8/2021	<4.2	<85	<4.2	<4.2	<8.5	<4.2	**5.0**	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RR-1-1.5	1.5	11/8/2021	<5.3	<110	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	ND
RR-2-.5	0.5	11/8/2021	<6.6	<130	<6.6	<6.6	<13	<6.6	<6.6	<6.6	<13	<6.6	<6.6	<6.6	ND
RR-2-1.5	1.5	11/8/2021	<4.5	<91	<4.5	<4.5	<9	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RR-3-.5	0.5	11/8/2021	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RR-3-1.5	1.5	11/8/2021	<5.6	<110	<5.6	<5.6	<11	<5.6	<5.6	<5.6	<11	<5.6	<5.6	<5.6	ND
RR-4-.5	0.5	11/8/2021	<4.5	<91	<4.5	<4.5	<9	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RR-4-1.5	1.5	11/8/2021	<6.9	<140	<6.9	<6.9	<14	<6.9	<6.9	<6.9	**19**	<6.9	<6.9	<6.9	ND
RR-5-.5	0.5	11/8/2021	<14	<280	<14	<14	<28	<14	<14	<14	<28	<14	<14	<14	ND
RR-5-1.5	1.5	11/8/2021	<3.5	<70	<3.5	<3.5	<7	<3.5	<3.5	<3.5	<7.0	<3.5	<3.5	<3.5	ND
RR-6-.5	0.5	11/8/2021	<5.1	<100	<5.1	<5.1	<10	<5.1	**27**	<5.1	<10	<5.1	<5.1	<5.1	ND
RR-6-1.5	1.5	11/8/2021	<5.7	<110	<5.7	<5.7	<11	<5.7	<5.7	<5.7	<11	<5.7	<5.7	<5.7	ND
RR-7-.5	0.5	11/8/2021	<9.6	**220**	<9.6	<9.6	<19	<9.6	<9.6	<9.6	**44**	<9.6	<9.6	<9.6	ND
RR-7-1.5	1.5	11/8/2021	<6.3	**180**	<6.3	<6.3	<13	<6.3	<6.3	<6.3	**31**	<6.3	<6.3	<6.3	ND
RR-8-.5	0.5	11/8/2021	<5.7	**150**	<5.7	<5.7	<11	<5.7	**24**	<5.7	<11	<5.7	<5.7	<5.7	ND
RR-8-1.5	1.5	11/8/2021	<8.1	**190**	<8.1	<8.1	<16	<8.1	**69**	<8.1	**24**	<8.1	<8.1	<8.1	ND
RR-9-.5	0.5	11/8/2021	<7.4	<150	<7.4	<7.4	<15	<7.4	**8.9**	<7.4	<15	<7.4	<7.4	<7.4	ND
RR-9-1.5	1.5	11/8/2021	<5.0	<100	<5.0	<5.0	<10	<5.0	<5.0	<5.0	**12**	<5.0	<5.0	<5.0	ND
RR-10-.5	0.5	11/8/2021	<5.3	<110	<5.3	<5.3	<11	<5.3	**7.4**	<5.3	**13**	<5.3	<5.3	<5.3	ND
RR-10-1.5	1.5	11/8/2021	<6.1	<120	<6.1	<6.1	<12	<6.1	<6.1	<6.1	<12	<6.1	<6.1	<6.1	ND
RR-11-.5	1	11/8/2021	<5.7	<110	<5.7	<5.7	<11	<5.7	<5.7	<5.7	<11	<5.7	<5.7	<5.7	ND
RR-11-1.5	1.5	11/8/2021	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RR-12-.5	0.5	11/8/2021	<6.4	**140**	<6.4	<6.4	<13	<6.4	**22**	<6.4	<13	<6.4	<6.4	<6.4	ND
RR-12-1.5	1.5	11/8/2021	<6.1	<120	<6.1	<6.1	<12	<6.1	**52**	<6.1	<12	<6.1	<6.1	<6.1	ND
RR-13-.5	0.5	11/8/2021	<7.1	<140	<7.1	<7.1	<14	<7.1	<7.1	<7.1	<14	<7.1	<7.1	<7.1	ND
RR-13-1.5	1.5	11/8/2021	<5.7	<110	<5.7	<5.7	<11	<5.7	<5.7	<5.7	<11	<5.7	<5.7	<5.7	ND
RR-14-.5	0.5	11/8/2021	<7.4	<150	<7.4	<7.4	<15	<7.4	**71**	<7.4	**22**	<7.4	<7.4	<7.4	ND
RR-14-1.5	1.5	11/8/2021	<6.4	<130	<6.4	<6.4	<13	<6.4	**57**	<6.4	**25**	<6.4	<6.4	<6.4	ND
RR-15-.5	0.5	11/8/2021	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RR-15-1.5	1.5	11/8/2021	<5.8	<120	<5.8	<5.8	<12	<5.8	<5.8	<5.8	**14**	<5.8	<5.8	<5.8	ND
RR-16-.5	0.5	11/8/2021	<5.2	<100	<5.2	<5.2	<10	<5.2	<5.2	<5.2	<10	<5.2	<5.2	<5.2	ND
RR-16-1.5	1.5	11/8/2021	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RR-17-.5	0.5	11/8/2021	<16	<310	<16	<16	<31	<16	<16	<16	<31	<16	<16	<16	ND
RR-17-1.5	1.5	11/8/2021	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	**10**	<4.9	<4.9	<4.9	ND
RR-18-.5	0.5	11/8/2021	<5.6	<110	<5.6	<5.6	<11	<5.6	<5.6	<5.6	**12**	<5.6	<5.6	<5.6	ND
RR-18-1.5	1.5	11/8/2021	<5.0	**400 E**	<5.0	<5.0	<10	**1200 E**	<5.0	<5.0	<10	<5.0	<5.0	<5.0	ND
RR-19-.5	0.5	11/8/2021	<6.1	<120	<6.1	<6.1	<12	<6.1	<6.1	<6.1	<12	<6.1	<6.1	<6.1	ND
RR-19-1.5	1.5	11/8/2021	<6.9	<140	<6.9	<6.9	<14	<6.9	<6.9	<6.9	**14**	<6.9	<6.9	<6.9	ND

Notes:

ft bgs = feet below ground surface

Shading indicates data collected by Ramboll

µg/kg = micrograms per kilogram

USEPA = United States Environmental Protection Agency

USEPA Industrial Soil RSL = USEPA Regional Screening Level for Industrial Soil (May 2022)

DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Screening Level for Commercial/Industrial Soil (June 2020)

NS = No standard established

NA = Not Analyzed

ND = Not detected above laboratory reporting limits

Bold indicates that value exceeds laboratory reporting limit

<X = analyte not detected above laboratory reporting limit

Lowest of the cancer and non-cancer endpoint screening levels are listed

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RSB-01-1	1	12/17/2020	<0.2	**55.6**	**79**
RSB-01-3	3	12/18/2020	<0.2	**51**	**64.6**
RSB-01-5	5	1/6/2021	<0.2	<1.0	<1.0
RSB-02-1	1	1/4/2021	<0.2	<1.0	<1.0
RSB-02-3	3	1/4/2021	<0.2	<1.0	<1.0
RSB-02-5	5	1/4/2021	<0.2	<1.0	<1.0
RSB-03-1	1	1/7/2021	<0.2	**9,230**	**11,000**
RSB-03-3	3	1/7/2021	<0.2	<10	<10
RSB-03-5	5	1/7/2021	<0.2	<10	<10
RSB-03-N-1	1	1/26/2021	<0.2	**48.8**	**348**
RSB-03-N-3	3	1/26/2021	<0.2	**138**	**4,140**
RSB-03-W-1	1	1/26/2021	<0.2	**113**	**141**
RSB-03-W-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-03-E-1	1	1/26/2021	<0.2	**2,520**	**4,920**
RSB-03-E-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-03-S-1	1	1/27/2021	<0.2	**811**	**1,110**
RSB-03-S-3	3	1/27/2021	<0.2	<1.0	<1.0
RSB-03-R1-1	1	11/5/2021	<2.1	**5,700**	**4,900**
RSB-03-R1-3	3	11/5/2021	NA	**850**	NA
RSB-03-R2-1	1	11/5/2021	<2.9	**2,900**	**1,300**
RSB-03-R2-3	3	11/5/2021	NA	**650**	NA
RSB-03-R3-1	1	11/5/2021	<3.3	**650**	**440**
RSB-03-R3-3	3	11/5/2021	NA	**560**	NA
RSB-03-R4-1	1	11/5/2021	<2.6	**740**	**460**
RSB-03-R4-3	3	11/5/2021	NA	**660**	NA
RSB-03-R5-1	1	11/5/2021	<2.8	**4,500**	**3,700**
RSB-03-R5-3	3	11/5/2021	NA	**370**	NA
RSB-04-1	1	12/17/2020	<0.2	**83.7**	**91.4**
RSB-04-3	3	1/6/2021	<0.2	<1.0	**22.2**
RSB-04-5	5	1/6/2021	<0.2	<1.0	**121**
RSB-05-1	1	12/18/2020	<0.2	**2,210**	**1,810**
RSB-05-3	3	12/18/2020	<0.2	<1.0	<1.0
RSB-05-5	5	12/18/2020	<0.2	<1.0	<1.0
RSB-05-N-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-05-W-1	1	1/26/2021	<0.2	<1.0	<1.0

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RSB-05-W-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-05-E-1	1	1/26/2021	<0.2	<1.0	<1.0
RSB-05-E-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-05-S-1	1	1/26/2021	<0.2	**672**	**607**
RSB-05-S-3	3	1/26/2021	<0.2	**6,000**	**7,310**
RSB-05-SCL-0.5	0.5	2/11/2021	NA	<10	NA
RSB-05-SCL-3	3	2/11/2021	NA	<10	NA
RSB-05-SCL-5	5	2/11/2021	NA	<10	NA
RSB-05-SCL-10	10	2/11/2021	NA	<10	NA
RSB-05-SSW-0.5	0.5	2/11/2021	NA	**1,800**	NA
RSB-05-SSW-3	3	2/11/2021	NA	<10	NA
RSB-05-SSW-5	5	2/11/2021	NA	<10	NA
RSB-05-SSW-10	10	2/11/2021	NA	<10	NA
RSB-05-SSE-0.5	0.5	2/11/2021	NA	**1,040**	NA
RSB-05-SSE-3	3	2/11/2021	NA	<10	NA
RSB-05-SSE-5	5	2/11/2021	NA	<10	NA
RSB-05-SSE-10	10	2/11/2021	NA	<10	NA
RSB-05-S2-0.5	0.5	2/11/2021	NA	**7,590**	NA
RSB-05-S2-3	3	2/11/2021	NA	<10	NA
RSB-05-S2-5	5	2/11/2021	NA	<10	NA
RSB-05-S2-10	10	2/11/2021	NA	<10	NA
RSB-05-R1-1	1	11/4/2021	<2.6	**2,300**	**850**
RSB-05-R1-3	3	11/4/2021	NA	<10	NA
RSB-05-R2-1	1	11/4/2021	<2.4	**2,200**	**1,300**
RSB-05-R2-3	3	11/4/2021	NA	**20**	NA
RSB-05-R3-1	1	11/4/2021	<3.0	**1,000**	**350**
RSB-05-R3-3	3	11/4/2021	NA	<10	NA
RSB-05-R4-1	1	11/4/2021	<3.2	**440**	<10
RSB-05-R5-5	5	11/4/2021	<2.9	<10	<10
RSB-05-R6-1	1	11/4/2021	<2.2	**3,100**	**2,200**
RSB-05-R7-1	1	11/4/2021	<2.5	**52**	**19**
RSB-06-1	1	12/29/2020	<0.2	<1.0	<1.0
RSB-06-3	3	12/29/2020	<0.2	<1.0	<1.0
RSB-06-5	5	12/29/2020	<0.2	<1.0	<1.0
RSB-07-1	1	1/4/2021	<0.2	<1.0	<1.0

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RSB-07-3	3	1/4/2021	<0.2	<1.0	<1.0
RSB-07-5	5	1/4/2021	<0.2	<1.0	<1.0
RSB-08-1	1	12/17/2020	<0.2	<1.0	<1.0
RSB-08-3	3	12/17/2020	<0.2	<1.0	<1.0
RSB-08-5	5	12/17/2020	<0.2	<1.0	<1.0
RSB-09-1	1	12/17/2020	<0.2	<1.0	<1.0
RSB-09-3	3	12/17/2020	<0.2	<1.0	<1.0
RSB-09-5	5	12/17/2020	<0.2	<1.0	<1.0
RSB-10-1	1	12/17/2020	<0.2	**15.8**	**117**
RSB-10-3	3	12/17/2020	<0.2	<1.0	<1.0
RSB-10-5	5	12/17/2020	<0.2	<1.0	<1.0
RSB-11-1	1	1/4/2021	<0.2	<1.0	<1.0
RSB-11-3	3	1/4/2021	<0.2	<1.0	<1.0
RSB-11-5	5	1/4/2021	<0.2	<1.0	<1.0
RSB-12-1	1	1/5/2021	<0.2	<1.0	<1.0
RSB-12-3	3	1/5/2021	<0.2	<1.0	<1.0
RSB-12-5	5	1/5/2021	<0.2	**79.7**	**67.2**
RSB-13-1	1	12/18/2020	<0.2	<1.0	<1.0
RSB-13-3	3	1/6/2021	<0.2	<1.0	<1.0
RSB-13-5	5	1/6/2021	<0.2	<1.0	<1.0
RSB-14-1	1	12/17/2020	<0.2	<1.0	<1.0
RSB-14-3	3	12/17/2020	<0.2	<1.0	<1.0
RSB-14-5	5	12/17/2020	<0.2	<1.0	<1.0
RSB-15-1	1	12/17/2020	<0.2	<1.0	<1.0
RSB-15-3	3	12/17/2020	<0.2	<1.0	<1.0
RSB-15-5	5	12/17/2020	<0.2	<1.0	<1.0
RSB-16-1	1	12/16/2020	<0.2	<1.0	<1.0
RSB-16-3	3	12/16/2020	<0.2	**40**	**191**
RSB-16-4	4	12/16/2020	<0.2	**40.1**	**145**
RSB-16-5	5	1/6/2021	<0.2	<1.0	<1.0
RSB-17-1	1	12/16/2020	<0.2	**26.6**	**45.9**
RSB-17-3	3	1/7/2021	<0.2	<10	<10
RSB-17-5	5	1/7/2021	<0.2	<10	<10
RSB-18-1	1	12/17/2020	<0.2	<1.0	<1.0
RSB-18-3	3	12/17/2020	<0.2	<1.0	<1.0

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RSB-18-5	5	12/17/2020	<0.2	<1.0	<1.0
RSB-19-1	1	12/16/2020	<0.2	<1.0	<1.0
RSB-19-3	3	12/16/2020	<0.2	<1.0	<1.0
RSB-19-5	5	12/16/2020	<0.2	<1.0	<1.0
RSB-20-1	1	12/14/2020	<0.2	NA	NA
RSB-20-2	2	12/14/2020	<0.2	NA	NA
RSB-20-3	3	1/7/2021	<0.2	<10	<10
RSB-20-5	5	1/7/2021	<0.2	<10	<10
RSB-20-Stepout-1	1	12/16/2020	<0.2	<1.0	<1.0
RSB-20-Stepout-3	3	12/16/2020	<0.2	**11.8**	**207**
RSB-21-1	1	12/16/2020	<0.2	<1.0	<1.0
RSB-21-3	3	12/16/2020	<0.2	<1.0	<1.0
RSB-21-5	5	12/16/2020	<0.2	<1.0	<1.0
RSB-22-1	1	12/14/2020	<0.2	NA	NA
RSB-22-3	3	12/14/2020	<0.2	NA	NA
RSB-22-5	5	12/14/2020	<0.2	NA	NA
RSB-23-1	1	12/14/2020	<0.2	NA	NA
RSB-23-3	3	1/8/2021	<0.2	<1.0	<1.0
RSB-23-5	5	1/8/2021	<0.2	<1.0	<1.0
RSB-23-Stepout-1	1	12/15/2020	<0.2	NA	NA
RSB-23-Stepout-3	3	12/15/2020	<0.2	NA	NA
RSB-24-2	2	12/15/2020	<0.2	NA	NA
RSB-24-3	3	12/15/2020	<0.2	NA	NA
RSB-24-5	5	12/15/2020	<0.2	NA	NA
RSB-25-1	1	12/24/2020	<0.2	**54.5**	**166**
RSB-25-3	3	12/24/2020	<0.2	<1.0	<1.0
RSB-25-5	5	12/24/2020	<0.2	<1.0	<1.0
RSB-25-10	10	12/24/2020	<0.2	<1.0	<1.0
RSB-25-15	15	12/24/2020	<0.2	<1.0	<1.0
RSB-26-1	1	1/5/2021	<0.2	<1.0	<1.0
RSB-26-3	3	1/5/2021	<0.2	<1.0	<1.0
RSB-26-5	5	1/5/2021	<0.2	<1.0	<1.0
RSB-27-1	1	12/22/2020	<0.2	<1.0	<1.0
RSB-27-3	3	12/22/2020	<0.2	<1.0	<1.0
RSB-27-5	5	12/22/2020	<0.2	<1.0	<1.0

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RSB-27-10	10	12/22/2020	<0.2	<1.0	<1.0
RSB-27-15	15	12/22/2020	<0.2	<1.0	<1.0
RSB-28-1	1	12/21/2020	<0.2	<1.0	<1.0
RSB-28-3	3	12/21/2020	<0.2	**144**	**2,120**
RSB-28-5	5	12/21/2020	<0.2	<1.0	<1.0
RSB-28-10	10	12/21/2020	<0.2	<1.0	<1.0
RSB-28-15	15	12/21/2020	<0.2	<1.0	<1.0
RSB-28-20	20	12/21/2020	<0.2	<1.0	<1.0
RSB-28-25	25	12/21/2020	<0.2	<1.0	<1.0
RSB-28-30	30	12/21/2020	<0.2	<1.0	<1.0
RSB-29-1	1	12/21/2020	<0.2	<1.0	<1.0
RSB-29-3	3	12/21/2020	<0.2	<1.0	<1.0
RSB-29-5	5	12/21/2020	<0.2	<1.0	<1.0
RSB-29-10	10	12/21/2020	<0.2	<1.0	<1.0
RSB-29-15	15	12/21/2020	<0.2	<1.0	<1.0
RSB-29-20	20	12/21/2020	<0.2	<1.0	<1.0
RSB-29-25	25	12/21/2020	<0.2	<1.0	<1.0
RSB-29-30	30	12/21/2020	<0.2	<1.0	<1.0
RSB-30-1	1	12/29/2020	<0.2	<1.0	<1.0
RSB-30-3	3	12/29/2020	<0.2	<1.0	<1.0
RSB-30-5	5	12/29/2020	<0.2	<1.0	<1.0
RSB-30-10	10	12/29/2020	<0.2	<1.0	<1.0
RSB-30-15	15	12/29/2020	<0.2	<1.0	<1.0
RSB-31-1	1	1/4/2021	<0.2	<1.0	<1.0
RSB-31-3	3	1/4/2021	<0.2	<1.0	<1.0
RSB-31-5	5	1/4/2021	<0.2	<1.0	<1.0
RSB-32-1	1	12/24/2020	<0.2	<1.0	<1.0
RSB-32-3	3	12/24/2020	<0.2	<1.0	<1.0
RSB-32-5	5	12/24/2020	<0.2	<1.0	<1.0
RSB-32-10	10	12/24/2020	<0.2	<1.0	<1.0
RSB-32-15	15	12/24/2020	<0.2	<1.0	<1.0
RSB-32-20	20	12/24/2020	<0.2	<1.0	<1.0
RSB-32-25	25	12/24/2020	<0.2	<1.0	<1.0
RSB-32-30	30	12/24/2020	<0.2	<1.0	<1.0
RSB-33-3	3	12/21/2020	<0.2	<1.0	<1.0

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RSB-33-5	5	12/21/2020	<0.2	<1.0	<1.0
RSB-33-10	10	12/21/2020	<0.2	<1.0	<1.0
RSB-33-15	15	12/21/2020	<0.2	<1.0	<1.0
RSB-34-1	1	12/28/2020	<0.2	<1.0	<1.0
RSB-34-3	3	1/7/2021	<0.2	<10	<10
RSB-34-5	5	1/7/2021	<0.2	<10	<10
RSB-34-10	10	1/7/2021	<0.2	<10	<10
RSB-34-15	15	1/7/2021	<0.2	<10	<10
RSB-34-20	20	1/7/2021	<0.2	<10	<10
RSB-34-25	25	1/7/2021	<0.2	<10	<10
RSB-35-1	1	12/23/2020	<0.2	<1.0	<1.0
RSB-35-3	3	12/23/2020	<0.2	<1.0	<1.0
RSB-35-5	5	12/23/2020	<0.2	<1.0	<1.0
RSB-35-10	10	12/23/2020	<0.2	<1.0	<1.0
RSB-35-15	15	12/23/2020	<0.2	<1.0	<1.0
RSB-35-20	20	12/23/2020	<0.2	<1.0	<1.0
RSB-35-25	25	12/23/2020	<0.2	<1.0	<1.0
RSB-36-1	1	12/23/2020	<0.2	**80.5**	**108**
RSB-36-3	3	1/6/2021	<0.2	<1.0	<1.0
RSB-36-5	5	1/6/2021	<0.2	<1.0	<1.0
RSB-36-10	10	1/6/2021	<0.2	<1.0	<1.0
RSB-37-1	1	1/7/2021	<0.2	<10	**95**
RSB-37-3	3	1/7/2021	<0.2	<10	<10
RSB-37-5	5	1/7/2021	<0.2	<10	<10
RSB-37-10	10	1/7/2021	<0.2	<10	<10
RSB-38-1	1	12/29/2020	<0.2	<1.0	<1.0
RSB-38-3	3	12/29/2020	<0.2	<1.0	<1.0
RSB-38-5	5	12/29/2020	<0.2	<1.0	<1.0
RSB-39-1	1	1/4/2021	<0.2	<1.0	<1.0
RSB-39-3	3	1/4/2021	<0.2	<1.0	<1.0
RSB-39-5	5	1/4/2021	<0.2	<1.0	<1.0
RSB-43-1	1	12/23/2020	<0.2	<1.0	<1.0
RSB-43-3	3	12/23/2020	<0.2	<1.0	<1.0
RSB-43-5	5	12/23/2020	<0.2	<1.0	<1.0
RSB-43-10	10	12/23/2020	<0.2	<1.0	<1.0

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RSB-43-15	15	12/23/2020	<0.2	<1.0	<1.0
RSB-44-1	1	12/21/2020	<0.2	<1.0	<1.0
RSB-44-3	3	12/21/2020	<0.2	<1.0	<1.0
RSB-44-5	5	12/21/2020	<0.2	<1.0	<1.0
RSB-44-10	10	12/21/2020	<0.2	<1.0	<1.0
RSB-44-15	15	12/21/2020	<0.2	<1.0	<1.0
RSB-46-1	1	12/18/2020	<0.2	<1.0	<1.0
RSB-46-3	3	12/18/2020	**0.34**	<1.0	<1.0
RSB-46-Stepout-1	1	1/5/2021	<0.2	<1.0	<1.0
RSB-46-Stepout-3	3	1/5/2021	<0.2	<1.0	<1.0
RSB-46-Stepout-5	5	1/5/2021	<0.2	<1.0	<1.0
RSB-47-Stepout-1	1	1/5/2021	<0.2	<1.0	<1.0
RSB-47-Stepout-3	3	1/5/2021	<0.2	<1.0	<1.0
RSB-47-Stepout-5	5	1/5/2021	<0.2	<1.0	<1.0
RSB-48-1	1	12/28/2020	<0.2	<1.0	<1.0
RSB-48-3	3	12/28/2020	<0.2	<1.0	<1.0
RSB-48-5	5	12/28/2020	<0.2	<1.0	<1.0
RSB-49-1	1	12/28/2020	<0.2	<1.0	<1.0
RSB-49-3	3	12/28/2020	<0.2	<1.0	<1.0
RSB-49-5	5	12/28/2020	<0.2	<1.0	<1.0
RSB-50-1	1	12/29/2020	<0.2	<1.0	<1.0
RSB-50-3	3	12/29/2020	<0.2	<1.0	<1.0
RSB-50-5	5	12/29/2020	<0.2	<1.0	<1.0
RSB-51-1	1	12/28/2020	<0.2	<1.0	<1.0
RSB-51-3	3	12/28/2020	<0.2	<1.0	<1.0
RSB-51-5	5	12/28/2020	<0.2	<1.0	<1.0
RSB-52-1	1	12/30/2020	<0.2	<1.0	<1.0
RSB-52-3	3	12/30/2020	<0.2	<1.0	<1.0
RSB-52-5	5	12/30/2020	<0.2	<1.0	<1.0
RSB-53-1	1	12/30/2020	<0.2	<1.0	<1.0
RSB-53-3	3	12/30/2020	<0.2	<1.0	<1.0
RSB-53-5	5	12/30/2020	<0.2	<1.0	<1.0
RSB-54-1	1	12/30/2020	<0.2	<1.0	<1.0
RSB-54-3	3	12/30/2020	<0.2	<1.0	<1.0
RSB-54-5	5	12/30/2020	<0.2	<1.0	<1.0

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RSB-55-3	3	12/31/2020	<0.2	<1.0	<1.0
RSB-55-5	5	12/31/2020	<0.2	<1.0	<1.0
RSB-56-1	1	12/31/2020	<0.2	<1.0	<1.0
RSB-56-3	3	12/31/2020	<0.2	<1.0	<1.0
RSB-56-5	5	12/31/2020	<0.2	<1.0	<1.0
RSB-57-1	1	12/31/2020	<0.2	<1.0	<1.0
RSB-57-3	3	1/7/2021	<0.2	<10	<10
RSB-57-5	5	1/7/2021	<0.2	<10	<10
RSB-58-1	1	12/16/2020	<0.2	<1.0	<1.0
RSB-58-3	3	12/16/2020	<0.2	<1.0	<1.0
RSB-58-6	5	12/16/2020	<0.2	<1.0	<1.0
RSB-58-S-1	1	11/3/2021	<2.7	**19**	**32**
RSB-58-S-3	3	11/3/2021	<2.8	<10	<10
RSB-58-S-5	5	11/3/2021	<3.2	<10	<10
RSB-58-W-1	1	11/3/2021	<2.1	**13**	**26**
RSB-58-W-3	3	11/3/2021	<2.7	<10	<10
RSB-58-W-5	5	11/3/2021	<2.9	<10	<10
RSB-59-1	1	12/24/2020	<0.2	<1.0	<1.0
RSB-59-3	3	12/24/2020	<0.2	<1.0	<1.0
RSB-59-5	5	1/6/2021	<0.2	<1.0	<1.0
RSB-59-10	10	1/6/2021	<0.2	<1.0	<1.0
RSB-59-15	15	1/6/2021	<0.2	<1.0	<1.0
RSB-60-1	1	12/28/2020	<0.2	<1.0	<1.0
RSB-60-3	3	12/28/2020	<0.2	<1.0	<1.0
RSB-60-5	5	12/28/2020	<0.2	<1.0	<1.0
RSB-61-1	1	12/15/2020	<0.2	NA	NA
RSB-61-3	3	12/15/2020	<0.2	NA	NA
RSB-61-5	5	12/15/2020	<0.2	NA	NA
RSB-63-1	1	12/29/2020	<0.2	<1.0	<1.0
RSB-63-3	3	12/29/2020	<0.2	<1.0	<1.0
RSB-63-5	5	12/29/2020	<0.2	<1.0	<1.0
RSB-64-3	3	1/4/2021	<0.2	<1.0	<1.0
RSB-64-5	5	1/4/2021	<0.2	<1.0	<1.0
RSB-64-10	10	1/4/2021	<0.2	<1.0	<1.0
RSB-64-15	15	1/4/2021	<0.2	<1.0	<1.0

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RSB-65-1	1	12/29/2020	<0.2	<1.0	<1.0
RSB-65-3	3	12/29/2020	<0.2	<1.0	<1.0
RSB-65-5	5	12/29/2020	<0.2	<1.0	<1.0
RSB-66-2	2	1/6/2021	<0.2	**29.4**	**19.8**
RSB-66-3	3	1/6/2021	<0.2	<1.0	<1.0
RSB-66-5	5	1/6/2021	<0.2	<1.0	<1.0
RSB-66-10	10	1/6/2021	<0.2	<1.0	<1.0
RSB-66-15	15	1/6/2021	<0.2	<1.0	<1.0
RSB-66-20	20	1/6/2021	<0.2	<1.0	<1.0
RSB-66-25	25	1/6/2021	<0.2	<1.0	<1.0
RSB-67-1	1	1/6/2021	<0.2	**63**	**89.1**
RSB-67-3	3	1/6/2021	<0.2	<1.0	<1.0
RSB-67-5	5	1/6/2021	<0.2	<1.0	<1.0
RSB-67-10	10	1/6/2021	<0.2	<1.0	<1.0
RSB-67-15	15	1/6/2021	<0.2	<1.0	<1.0
RSB-67-20	20	1/6/2021	<0.2	<1.0	<1.0
RSB-67-25	25	1/6/2021	<0.2	<1.0	<1.0
RSB-68-1	1	12/22/2020	<0.2	<1.0	<1.0
RSB-68-3	3	12/22/2020	<0.2	<1.0	<1.0
RSB-68-5	5	12/22/2020	<0.2	<1.0	<1.0
RSB-68-10	10	12/22/2020	<0.2	<1.0	<1.0
RSB-68-15	15	12/22/2020	<0.2	<1.0	<1.0
RSB-68-20	20	12/22/2020	<0.2	<1.0	<1.0
RSB-68-25	25	12/22/2020	<0.2	<1.0	<1.0
RSB-69-1	1	12/21/2020	<0.2	<1.0	<1.0
RSB-69-3	3	12/21/2020	<0.2	<1.0	<1.0
RSB-69-5	5	12/21/2020	<0.2	<1.0	<1.0
RSB-69-10	10	12/21/2020	<0.2	<1.0	<1.0
RSB-69-15	15	12/21/2020	<0.2	<1.0	<1.0
RSB-70-W-1	1	11/3/2021	<3.7	**90**	**170**
RSB-70-W-3	3	11/3/2021	<2.9	<10	<10
RSB-70-W-5	5	11/3/2021	<2.8	<10	<10
RSB-70-E-1	1	11/3/2021	<3.0	**150**	**250**
RSB-70-E-3	3	11/3/2021	<3.0	**17**	**32**
RSB-70-E-5	5	11/3/2021	<2.8	<10	<10

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
SB-1-1	1	11/4/2021	<3.1	<200	**820**
SB-1-3	3	11/4/2021	<3.3	<10	<10
SB-2-1	1	11/4/2021	<2.8	**32**	**65**
SB-2-3	3	11/4/2021	<3.6	**37**	**34**
SB-3-1	1	11/4/2021	<4.5	**17**	**53**
SB-3-3	3	11/4/2021	<3.0	**110**	**200**
SB-4-1	1	11/5/2021	<2.6	**49**	**18**
SB-4-3	3	11/5/2021	<2.6	<10	<10
RR-1-.5	0.5	11/8/2021	<2.7	**170**	**520**
RR-1-1.5	1.5	11/8/2021	<3.2	**220**	**660**
RR-2-.5	0.5	11/8/2021	<2.8	**610**	**2,500**
RR-2-1.5	1.5	11/8/2021	<3.4	**370**	**1,200**
RR-3-.5	0.5	11/8/2021	<1.9	**1,000**	**930**
RR-3-1.5	1.5	11/8/2021	<2.8	**720**	**570**
RR-4-.5	0.5	11/8/2021	<3.3	**880**	**840**
RR-4-1.5	1.5	11/8/2021	<2.5	**45**	**41**
RR-5-.5	0.5	11/8/2021	<2.9	**1,700**	**1,000**
RR-5-1.5	1.5	11/8/2021	<2.8	**420**	**260**
RR-6-.5	0.5	11/8/2021	<2.7	**970**	**850**
RR-6-1.5	1.5	11/8/2021	<3.1	**58**	**54**
RR-7-.5	0.5	11/8/2021	<3.3	**130**	**250**
RR-7-1.5	1.5	11/8/2021	<3.9	**530**	**990**
RR-8-.5	0.5	11/8/2021	<3.3	**2,700**	**2,400**
RR-8-1.5	1.5	11/8/2021	<3.4	**420**	**260**
RR-9-.5	0.5	11/8/2021	<3.9	**1,300**	**3,200**
RR-9-1.5	1.5	11/8/2021	<2.9	**1,300**	**2,100**
RR-10-.5	0.5	11/8/2021	<3.3	**180**	**480**
RR-10-1.5	1.5	11/8/2021	<3.5	<10	<10
RR-11-.5	0.5	11/8/2021	<3.6	**340**	**330**
RR-11-1.5	1.5	11/8/2021	<4.7	**130**	**130**
RR-12-.5	0.5	11/8/2021	<3.1	**400**	**370**
RR-12-1.5	1.5	11/8/2021	<2.8	**300**	**260**
RR-13-.5	0.5	11/8/2021	<3.4	**15**	**25**
RR-13-1.5	1.5	11/8/2021	<4.3	<10	<10
RR-14-.5	0.5	11/8/2021	<4.9	**480**	**1,400**

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		SFRWQCB ESLs	1,800	1,200	54,000
RR-14-1.5	1.5	11/8/2021	<3.2	**760**	**2,200**
RR-15-.5	0.5	11/8/2021	<3.6	<10	<10
RR-15-1.5	1.5	11/8/2021	<3.6	<10	<10
RR-16-.5	0.5	11/8/2021	<3.1	<10	<10
RR-16-1.5	1.5	11/8/2021	<3.2	<10	<10
RR-17-.5	0.5	11/8/2021	<7.5	**190**	**130**
RR-17-1.5	1.5	11/8/2021	<3.7	**910**	**280**
RR-18-.5	0.5	11/8/2021	<3.2	<10	<10
RR-18-1.5	1.5	11/8/2021	<3.0	<10	<10
RR-19-.5	0.5	11/8/2021	<3.9	**36**	**53**
RR-19-1.5	1.5	11/8/2021	<3.6	**16**	**22**

Notes:
ft bgs = feet below ground surface
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics
SFRWQCB = San Francisco Regional Water Quality Control Board
ESL = Environmental Screening Level for Commercial/Industrial: Shallow Soil Exposure (2019)
Bold indicates that value exceeds laboratory reporting limit
Italics indicate sample is a duplicate
<X = analyte not detected above laboratory reporting limit
NA = Not applicable
Shading indicates data collected by Ramboll
Cells highlighted in orange exceed the SFRWQCB ESL

Table 5
Soil Analytical Results - Polychlorinated Biphenyls (PCBs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Aroclor-1242	Aroclor-1260	Other Analyzed PCBs
		Analytical Method	USEPA Method 8082		
		Unit	mg/kg		
		USEPA Industrial Soil RSL	0.95	0.99	varies
	DTSC Commercial/Industrial Soil SL		0.58	0.60	varies
RR-1-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-1-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-2-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-2-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-3-.5	0.5	11/8/2021	**130**	<0.050	ND
RR-3-1.5	1.5	11/8/2021	**170**	<0.100	ND
RR-4-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-4-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-7-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-7-1.5	1.5	11/8/2021	<0.050	**0.13**	ND
RR-9-.5	0.5	11/8/2021	<0.050	**0.22**	ND
RR-9-1.5	1.5	11/8/2021	<0.050	**0.32**	ND
RR-12-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-12-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-13-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-13-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-15-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-15-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-17-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-17-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-18-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-18-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-19-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-19-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RSB-51-1	1	12/28/2020	<0.050	<0.050	ND
RSB-51-3	3	12/28/2020	<0.050	<0.050	ND
RSB-51-5	5	12/28/2020	<0.050	<0.050	ND
RSB-65-1	1	12/28/2020	<0.050	<0.050	ND
RSB-65-3	3	12/28/2020	<0.050	<0.050	ND
RSB-65-5	5	12/28/2020	<0.050	<0.050	ND

Notes:
ft bgs = feet below ground surface
USEPA = United States Environmental Protection Agency
mg/kg = milligrams per kilogram
USEPA Industrial Soil RSL = USEPA Regional Screening Level for Industrial Soil (May 2021)
DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)
Bold indicates that value exceeds laboratory reporting limit
<X = analyte not detected above laboratory reporting limit
Cells highlighted in orange exceed either one or both SLs
Shading indicates sample collected by Ramboll
ND = Not detected above laboratory reporting limits

Table 6
Soil Analytical Results - Organochlorine Pesticides (OCPs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Endrin Ketone	Other Analyzed OCPs
		Analytical Method	**USEPA Method 8081A**	
		Unit	**mg/kg**	
		USEPA Industrial Soil RSL	NS	NS
		DTSC Commercial/Industrial Soil SL	NS	NS
RR-1-.5	0.5	11/8/2021	<0.025	ND
RR-1-1.5	1.5	11/8/2021	<0.005	ND
RR-2-.5	0.5	11/8/2021	<0.050	ND
RR-2-1.5	1.5	11/8/2021	<0.050	ND
RR-3-.5	0.5	11/8/2021	<0.005	ND
RR-3-1.5	1.5	11/8/2021	<0.010	ND
RR-4-.5	0.5	11/8/2021	<0.010	ND
RR-4-1.5	1.5	11/8/2021	<0.005	ND
RR-7-.5	0.5	11/8/2021	**0.011**	ND
RR-7-1.5	1.5	11/8/2021	<0.010	ND
RR-12-.5	0.5	11/8/2021	<0.005	ND
RR-12-1.5	1.5	11/8/2021	<0.005	ND
RR-13-.5	0.5	11/8/2021	<0.005	ND
RR-13-1.5	1.5	11/8/2021	<0.005	ND
RR-15-.5	0.5	11/8/2021	<0.005	ND
RR-15-1.5	1.5	11/8/2021	<0.005	ND
RR-17-.5	0.5	11/8/2021	<0.005	ND
RR-17-1.5	1.5	11/8/2021	<0.005	ND
RR-18-.5	0.5	11/8/2021	<0.005	ND
RR-18-1.5	1.5	11/8/2021	<0.005	ND
RR-19-.5	0.5	11/8/2021	<0.005	ND
RR-19-1.5	1.5	11/8/2021	<0.005	ND

Notes:
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
USEPA = United States Environmental Protection Agency
USEPA Industrial Soil RSL = USEPA Regional Screening Level for Commercial/Industrial Soil (May 2021)
DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)
NS = No standard established
Bold indicates that value exceeds laboratory reporting limit
ND = Not detected above laboratory reporting limits
<X = analyte not detected above laboratory reporting limit

Table 7
Soil Analytical Results - Semi-Volatile Organic Compounds (SVOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis(2-Ethylhexyl)phthalate	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Other Analyzed SVOCs
Analytical Method			USEPA Method 8270C																					
Unit			mg/kg																					
USEPA Industrial Soil RSL			**73**	**3,000**	**45,000**	**NS**	**230,000**	**21**	**2.1**	**21**	**NS**	**210**	**160**	**NS**	**2,100**	**2.1**	**1,200**	**30,000**	**30,000**	**21**	**8.6**	**NS**	**23,000**	**varies**
DTSC Commercial/Industrial Soil SL			**30**	**1,300**	**23,000**	**NS**	**130,000**	**12**	**1.3**	**13**	**NS**	**130**	**110**	**NS**	**1,300**	**0.31**	**650**	**18,000**	**17,000**	**13**	**6.5**	**NS**	**13,000**	**varies**
RR-1-.5	0.5	11/8/2021	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ND
RR-1-1.5	1.5	11/8/2021	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	ND
RR-2-.5	0.5	11/8/2021	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	ND
RR-2-1.5	1.5	11/8/2021	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	ND
RR-3-.5	0.5	11/8/2021	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
RR-3-1.5	1.5	11/8/2021	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**1.7 J**	<5.0	<5.0	<5.0	<5.0	**1.5 J**	ND
RR-4-.5	0.5	11/8/2021	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND
RR-4-1.5	1.5	11/8/2021	<0.25	<0.25	<0.25	<0.25	<0.25	**0.042 J**	<0.25	<0.25	**0.058 J**	<0.25	<0.25	<0.25	**0.055 J**	<0.25	<0.25	**0.14 J**	<0.25	<0.25	<0.25	<0.25	**0.16 J**	ND
RR-7-.5	0.5	11/8/2021	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**1.5 J**	<5.0	<5.0	<5.0	<5.0	**1.4 J**	ND
RR-7-1.5	1.5	11/8/2021	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	ND
RR-9-.5	0.5	11/8/2021	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	ND
RR-9-1.5	1.5	11/8/2021	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	ND
RR-12-.5	0.5	11/8/2021	**0.74**	**1.4**	**3.2**	<0.50	**4.4**	**2.2**	**0.67**	**1.0**	**0.26 J**	**0.76**	**0.26 J**	**1.3**	**2.3**	**0.059 J**	**2.3**	**9.1**	**3.0**	**0.26 J**	**0.21 J**	**11**	**5.8**	ND
RR-12-1.5	1.5	11/8/2021	**0.92**	**1.8**	**3.5**	**0.15 J**	**2.7**	**6.0**	**1.8**	**3.4**	**0.96**	**2.3**	**0.15 J**	**0.58**	**6.4**	**0.3 J**	**2.1**	**18**	**2.4**	**0.86**	**0.32 J**	**6.1**	**17**	ND
RR-13-.5	0.5	11/8/2021	<0.25	<0.25	0.11 J	<0.25	<0.25	**0.52**	**1.0**	**0.66**	**0.93**	**0.85**	<0.25	<0.25	**0.63**	0.19 J	<0.25	**0.36**	<0.25	**0.92**	<0.25	0.083 J	**0.48**	ND
RR-13-1.5	1.5	11/8/2021	<0.25	<0.25	<0.25	<0.25	<0.25	0.062 J	0.13 J	0.079 J	0.11 J	0.1 J	<0.25	<0.25	0.074 J	<0.25	<0.25	<0.25	<0.25	0.11 J	<0.25	<0.25	0.055 J	ND
RR-15-.5	0.5	11/8/2021	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	ND
RR-15-1.5	1.5	11/8/2021	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	ND
RR-17-.5	0.5	11/8/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
RR-17-1.5	1.5	11/8/2021	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	ND
RR-18-.5	0.5	11/8/2021	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	ND
RR-18-1.5	1.5	11/8/2021	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	ND
RR-19-.5	0.5	11/8/2021	<0.25	<0.25	<0.25	<0.25	<0.25	0.14 J	0.16 J	0.14 J	0.13 J	0.14 J	<0.25	<0.25	0.22 J	<0.25	<0.25	0.21 J	<0.25	0.13 J	**0.054 J**	0.13 J	0.22 J	ND
RR-19-1.5	1.5	11/8/2021	<0.25	<0.25	<0.25	<0.25	<0.25	0.043 J	0.045 J	<0.25	0.056 J	<0.25	<0.25	<0.25	0.062 J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	ND

Notes:
ft bgs = feet below ground surface
USEPA = United States Environmental Protection Agency
mg/kg = milligrams per kilogram
USEPA Industrial Soil RSL = USEPA Regional Screening Level for Industrial Soil (May 2021)
DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)
NS = No standard established
Bold indicates that value exceeds laboratory reporting limit
<X = analyte not detected above laboratory reporting limit
Cells highlighted in orange exceed either one or both SLs
ND = Not detected above laboratory reporting limits
Lowest of the cancer and non-cancer endpoint screening levels are listed
J = Estimated concentration above the method detection limit but below the laboratory reporting limit

Table 8
Soil Analytical Results - Chlorinated Herbicides
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Pentachlorophenol (PCP)	Other Chlorinated Herbicides
		Analytical Method	USEPA Method 8151A	
		Unit	mg/kg wet	
USEPA Commercial/Industrial Soil RSL			4	varies
DTSC Commercial/ Industrial Soil RSL			2	varies
RR-1-.5	0.5	11/8/2021	<0.10	ND
RR-1-1.5	1.5	11/8/2021	<0.10	ND
RR-2-.5	0.5	11/8/2021	<0.10	ND
RR-2-1.5	1.5	11/8/2021	<0.10	ND
RR-3-.5	0.5	11/8/2021	<0.01	ND
RR-3-1.5	1.5	11/8/2021	<0.01	ND
RR-4-.5	0.5	11/8/2021	**0.0526**	ND
RR-4-1.5	1.5	11/8/2021	**0.0145**	ND
RR-7-.5	0.5	11/8/2021	<0.05	ND
RR-7-1.5	1.5	11/8/2021	<0.10	ND
RR-9-.5	0.5	11/8/2021	<0.10	ND
RR-9-1.5	1.5	11/8/2021	<0.05	ND
RR-12-.5	0.5	11/8/2021	<0.05	ND
RR-12-1.5	1.5	11/8/2021	**0.0102**	ND
RR-13-.5	0.5	11/8/2021	<0.02	ND
RR-13-1.5	1.5	11/8/2021	<0.01	ND
RR-15-.5	0.5	11/8/2021	<0.01	ND
RR-15-1.5	1.5	11/8/2021	<0.01	ND
RR-17-.5	0.5	11/8/2021	<0.02	ND
RR-17-1.5	1.5.	11/8/2021	<0.01	ND
RR-18-.5	0.5	11/8/2021	<0.01	ND
RR-18-1.5	1.5	11/8/2021	<0.01	ND
RR-19-.5	0.5	11/8/2021	<0.01	ND
RR-19-1.5	1.5	11/8/2021	<0.01	ND

Notes:
USEPA = United States Environmental Protection Agency
mg/kg = milligrams per kilogram
Bold indicates that value exceeds laboratory reporting limit
Italics indicate sample is a duplicate
<X = analyte not detected above laboratory reporting limit
DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)
USEPA Commercial/Industrial Soil RSL = USEPA Regional Screening Level for Commercial/Industrial Soil (May 2021)
Bold indicates that value exceeds laboratory reporting limit
ND = Not detected above laboratory reporting limits

Table 9
Soil Vapor Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft)	Date Sampled	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	2-Hexanone	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Carbon Disulfide	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Freon 113	Freon 12	Isopropanol (IPA)	m,p-Xylenes	Methylene Chloride	n-Hexane	o-Xylene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Xylene (total)	1,1-Difluoroethane (LCC)	Other Analyzed VOCs
Analytical Method			USEPA Method TO-15																											
Unit			µg/m^3																											
USEPA Industrial Indoor Air RSL (AF=0.03)			NS	8,667	8,667	733,333	4,333	NS	433,333	NS	53	103,333	18	6,000	163	733,333	14,667	29,333	14,667	40,000	103,333	14,667	146,667	1,567	733,333	100	NS	14,667	14,667	Varies
DTSC Industrial Indoor Air SL (AF=0.03)			10,333	NS	NS	NS	NS	NS	NS	NS	14	NS	NS	1,167	NS	NS	NS	NS	NS	400	NS	NS	130,000	67	43,333	100*	176,667	NS	NS	Varies
RSB-25-5	5	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	60	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	30	<13	<13	NA	NA	NA	ND
RSB-25-15	15	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	260	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	50	<13	NA	NA	NA	ND
RSB-27-5	5	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	30	<13	NA	NA	NA	ND
RSB-27-15	15	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	10	NA	<13	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	20	<13	NA	NA	NA	ND
RSB-28-5	5	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	20	NA	<13	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-28-15	15	11/4/2021	<380	<470	<470	<1,400	<980	<470	<390	<1,100	71 J	<300	<470	<380	<420	<740	<470	<1,200	30 BJ	95 BJ	5,800	<420	<410	190 BJ	<360	<520	<540	30 J	ND	ND
RSB-28-15-DUP	15	11/4/2021	<380	<470	<470	<1,400	<980	<470	<390	<1,100	66 J	<300	<470	<380	<420	<740	<470	<1,200	30 BJ	100 BJ	6,000	<420	<410	200 BJ	<360	<520	<540	30 J	ND	ND
RSB-28-30	30	1/6/2021	NA	NA	<13	NA	NA	NA	NA	NA	10	NA	<13	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	NA	<13	<13	NA	NA	NA	ND
RSB-28-R1-5	5	11/4/2021	<380	<470	<470	<1,400	<980	<470	<390	<1,100	130 J	<300	<470	<380	<420	<740	<470	<1,200	47 BJ	98 BJ	8,400	<420	<410	210 BJ	<360	<520	<540	47 J	ND	ND
RSB-28-R2-5	5	11/4/2021	<480	<590	<590	<1,800	<1,200	<590	<490	<1,400	190 J	<370	<590	<480	<520	<920	<590	<1,500	55 BJ	170 BJ	11,000	<520	<510	250 BJ	130 J	<640	<670	55 J	ND	ND
RSB-28-R3-5	5	11/4/2021	<240	<290	<290	<880	<610	<290	<250	<710	170 J	<190	<290	<240	<260	<460	<300	<740	31 BJ	73 BJ	18,000	<260	<260	160 BJ	<230	<320	<340	31 J	ND	ND
RSB-28-R4-5	5	3/7/2022	<1.2	**<1.5**	<1.5	<4.4	<3.1	<1.5	<1.2	**13**	<1.0	**1.0**	<1.5	<1.2	<1.3	<2.3	**2.4**	**5.8**	<2.6	<1.0	<1.1	<1.3	<1.3	**11.0**	<1.1	<1.6	**2.6**	<1.3	<4.1	ND
RSB-28-R4-15	15	3/7/2022	<1.2	<1.5	<1.5	**6.9**	<3.1	<1.5	**4.2**	**17**	**3.2**	**25**	<1.5	<1.2	<1.3	<2.3	**2.4**	**6.5**	<2.6	<1.0	**1.5**	<1.3	<1.3	**6.7**	**3.8**	<1.6	**2.5**	<1.3	<4.1	ND
RSB-28-R5-5	5	3/7/2022	<1.2	<1.5	<1.5	**4.6**	<3.1	<1.5	<1.2	**10**	**1.7**	**3.3**	**1.9**	<1.2	<1.3	<2.3	**2.2**	**3.7**	<2.6	<1.0	**1.1**	<1.3	<1.3	**6.5**	**4.7**	<1.6	<1.7	<1.3	<4.1	ND
RSB-28-R5-15	15	3/7/2022	<1.2	<1.5	<1.5	**8.7**	<3.1	<1.5	<1.2	**14**	**1.5**	**3.3**	<1.5	<1.2	<1.3	<2.3	**2.1**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**16**	**2.1**	<1.6	<1.7	<1.3	<4.1	ND
RSB-28-R6-5	5	3/7/2022	<1.2	<1.5	<1.5	**5.8**	<3.1	<1.5	<1.2	**9.8**	**1.1**	**6.3**	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**61**	**4.3**	<1.6	<1.7	<1.3	<4.1	ND
RSB-28-R6-15	15	3/7/2022	<1.2	**1.9**	<1.5	**11**	<3.1	<1.5	**3.5**	**14**	**2.8**	**12**	<1.5	<1.2	<1.3	<2.3	**2.2**	**4.0**	<2.6	<1.0	**1.3**	<1.3	<1.3	**81**	**7.2**	<1.6	<1.7	<1.3	<4.1	ND
RSB-28-R7-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**11**	<1.0	**1.2**	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**9.7**	<1.1	<1.6	<1.7	<1.3	<4.1	ND
RSB-28-R7-15	15	3/7/2022	<1.2	**3.4**	<1.5	**11**	<3.1	<1.5	**2.8**	**24**	**1.0**	**4.4**	<1.5	<1.2	<1.3	<2.3	**2.4**	**6.7**	**3.4**	<1.0	<1.1	**1.4**	<1.3	**13**	**7.3**	<1.6	**2.0**	**4.8**	<4.1	ND
RSB-28-R8-15	15	3/7/2022	<1.2	<1.5	<1.5	**9.7**	<3.1	<1.5	**1.3**	**9.5**	<1.0	**3.9**	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**160**	**2.2**	<1.6	**3.5**	<1.3	<4.1	ND
RSB-28-R8-15-DUP	15	3/7/2022	<1.2	<1.5	<1.5	**9.4**	<3.1	<1.5	<1.2	**9.2**	<1.0	**3.7**	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**170**	**2.2**	<1.6	**3.6**	<1.3	<4.1	ND
RSB-29-5	5	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	**220**	NA	<13	NA	**20**	NA	NA	NA	**20**	NA	NA	**20**	NA	<13	<13	<13	NA	NA	NA	ND
RSB-29-15	15	11/4/2021	<120	<150	<150	<440	<310	<150	<120	<360	**130**	23 J	<150	<120	<130	<230	<150	<370	53 J	39 BJ	**1,400**	<130	<130	84 BJ	<110	<160	<170	53 J	ND	ND
RSB-29-15-DUP	15	11/4/2021	<120	<150	<150	<440	<310	<150	<120	<360	**140**	<93	<150	<120	<130	<230	<150	<370	53 J	44 BJ	**1,500**	<130	<130	75 BJ	<110	<160	<170	53 J	ND	ND
RSB-29-30	30	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	**10**	**60**	<13	NA	NA	NA	ND
RSB-29-R1-5	5	11/4/2021	<190	<240	<240	<710	<490	<240	<200	<570	140 J	74 J	<230	<190	<210	<370	<240	<590	36 BJ	47 BJ	**3,100**	46 J	<200	130 BJ	<180	<260	<270	82 J	ND	ND
RSB-29-R2-5	5	11/4/2021	<120	<150	<150	<440	<310	<150	<120	<360	62 J	<93	<150	<120	<130	<230	<150	<370	28 BJ	32 BJ	**2,100**	<130	<130	81 BJ	<110	<160	<170	28 J	ND	ND
RSB-29-R3-5	5	11/4/2021	<120	**12**	**18 J**	**93 J**	<310	<150	<120	<360	**150**	5.4 BJ	<150	<120	16 J	33 J	<150	38 J	77 J	39 BJ	**970**	<130	<130	<200	**17 J**	<160	<170	77 J	ND	ND
RSB-29-R4-5	5	3/7/2022	<1.2	**4.6**	<1.5	<4.4	<3.1	<1.5	<1.2	**14**	<1.0	<0.9	<1.5	<1.2	<1.3	<2.3	**2.1**	**4.8**	<2.6	<1.0	<1.1	<1.3	<1.3	**5.3**	**1.4**	<1.6	<1.7	<1.3	<4.1	ND
RSB-29-R4-5-DUP	5	3/7/2022	<1.2	**4.6**	<1.5	<4.4	<3.1	<1.5	<1.2	**6.2**	<1.0	<0.9	<1.5	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**6.6**	<1.1	<1.6	<1.7	<1.3	<4.1	ND
RSB-29-R4-15	15	3/7/2022	<1.2	<1.5	<1.5	**6.1**	<3.1	<1.5	**1.3**	**29**	<1.0	**4.1**	<1.5	<1.2	<1.3	<2.3	**2.2**	**6.4**	<2.6	<1.0	<1.1	<1.3	<1.3	**11**	**30**	<1.6	<1.7	<1.3	<4.1	ND
RSB-29-R5-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	**3.1**	**1.1**	<1.5	<1.2	<1.3	<2.3	**2.1**	**8.9**	<2.6	**3.5**	**1.3**	<1.3	<1.3	**6.0**	**4.8**	<1.6	<1.7	<1.3	**7.5**	ND
RSB-29-R5-15	15	3/7/2022	<1.2	<1.5	<1.5	**11**	<3.1	<1.5	**4.2**	**18**	**2.2**	**13**	<1.5	<1.2	<1.3	<2.3	**2.1**	**6.1**	**2.8**	<1.0	**1.2**	<1.3	<1.3	**14**	**12.0**	<1.6	<1.7	**2.8**	<4.1	ND
RSB-29-R6-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**9.3**	<1.0	**2.6**	<1.5	<1.2	<1.3	<2.3	**2.1**	**6.0**	<2.6	<1.0	<1.1	<1.3	<1.3	**2.5**	**2**	<1.6	<1.7	<1.3	<4.1	ND
RSB-29-R6-15	15	3/7/2022	<1.2	**1.6**	<1.5	**9.9**	<3.1	<1.5	**5.2**	**8.6**	**3.7**	**24**	**2.1**	<1.2	<1.3	<2.3	**1.9**	**6.3**	**3.5**	<1.0	**2.2**	<1.3	<1.3	**8.5**	**6.0**	<1.6	<1.7	**3.5**	<4.1	ND
RSB-29-R7-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**14**	**2.0**	<0.9	<1.5	<1.2	<1.3	<2.3	**1.9**	**6.6**	<2.6	**2.5**	**20**	<1.3	<1.3	<2.0	**1.8**	<1.6	<1.7	<1.3	<4.1	ND
RSB-29-R7-15	15	3/7/2022	<1.2	**1.9**	<1.5	**6.6**	<3.1	<1.5	<1.2	**14**	**4.1**	<0.9	<1.5	<1.2	**1.8**	<2.3	**1.9**	**6.2**	**3.3**	<1.0	**100**	**1.9**	<1.3	**6.5**	**5.1**	<1.6	<1.7	**5.1**	<4.1	ND
RSB-29-R8-15	15	3/7/2022	<3.8	<4.7	<4.7	**22**	<9.8	<4.7	<3.9	**160**	**13**	**93**	<4.7	<3.8	**4.9**	<7.4	<4.7	<12	<8.3	<3.3	**470**	**4.9**	<4.1	**15**	**3.9**	<5.2	<5.4	**4.9**	<13	ND
RSB-29-R9-15	15	3/7/2022	<1.2	**2.5**	**2.6**	**9.9**	<3.1	<1.5	**1.6**	**25**	**35**	**73**	<1.5	<1.2	<1.3	<2.3	<1.5	**4.4**	**5.4**	**1.1**	**14**	**2.6**	<1.3	<2.0	**2.0**	**2.6**	<1.7	**8.0**	<4.1	ND
RSB-30-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**100**	**10**	**13**	NA	NA	NA	ND
RSB-30-15	15	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**80**	**30**	**40**	NA	NA	NA	ND
RSB-30-15	15	11/2/2021	<1.2	3.1	2.0	<4.4	<3.1	<1.5	<1.2	**10**	11.0	1.5	<1.5	<1.2	7.2	<2.3	2.7	25 b	19	<1.0	5.4	7.3	<1.3	**300**	54	9.9	2.4	27	ND	ND
RSB-30-R1-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**7.9**	<0.96	<0.9	<1.5	<1.2	<1.3	<2.3	**2.6**	**32 b**	<2.6	<1.0	<1.1	<1.3	<1.3	**130**	<1.1	**8.1**	**2.1**	<1.3	ND	ND
RSB-30-R1-15	15	11/5/2021	<1.3	**7.7**	**1.8**	**85**	**4.7**	**2.5**	**32**	**110**	**11**	**91**	**13**	<1.3	**7.1**	<2.5	**3.1**	<3.9	**17**	<1.1	**7.6**	**6.6**	**1.6**	**65**	**51**	**86**	**4.5**	**23**	ND	ND
RSB-30-R1-15-DUP	15	11/5/2021	<1.3	**9.4**	**2.7**	**89**	**4.7**	**2.6**	**36**	**110**	**10**	**70**	**12**	<1.3	**7.6**	<2.5	**3.2**	<3.9	**19**	<1.1	**5.7**	**7.2**	**2.0**	**72**	**52**	**91**	**4.2**	**27**	ND	ND
RSB-30-R2-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**8.1**	<1.0	**2.1**	<1.5	<1.2	<1.3	<2.3	**2.7**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**230**	<1.1	**9.0**	**2.1**	<1.3	NA	ND
RSB-30-R2-15	15	11/5/2021	**1.6**	**5.2**	<1.5	**48**	**4.1**	<1.5	**30**	**48**	**1.7**	**21**	**17**	<1.2	**3.3**	<2.3	**3.2**	**7.3 b**	**9.3**	<1.0	<1.1	**3.4**	<1.3	**240**	**12**	**170**	**3.3**	**13**	ND	ND
RSB-30-R3-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**4.3**	<0.96	**1.6**	<1.5	<1.2	<1.3	<2.3	**2.7**	**4.2 b**	<2.6	<1.0	<1.1	<1.3	<1.3	**680**	<1.1	**9.9**	**1.8**	<1.3	ND	ND
RSB-30-R3-15	15	11/5/2021	<1.2	**6.2**	**1.7**	**48**	**4.5**	**1.6**	**23**	**60**	**5.3**	**29**	**11**	<1.2	**5.0**	<2.3	**3.0**	<3.7	**11**	<1.0	**2.2**	**4.7**	<1.3	**540**	**25**	**81**	**2.5**	**16**	ND	ND
RSB-30-R4-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**10**	<1.0	<0.9	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**27**	**1.5**	<1.6	<1.7	<1	<4	ND
RSB-30-R4-5-DUP	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**4.9**	<1.0	<0.9	<1.5	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**29**	**1.4**	<1.6	<1.7	<1.3	<4.1	ND
RSB-30-R4-15	15	3/8/2022	**3.5**	**1.7**	**1.7**	**6.4**	<3.1	<1.5	**1.4**	**14**	**8.1**	**4.1**	**20**	<1.2	**2.9**	<2.3	**2.5**	<3.7	**7.1**	<1.0	**4.7**	**3.9**	<1.3	**73**	**16**	**76**	<1.7	**11**	<4	ND
RSB-30-R5-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**20**	**1.5**	<0.9	<1.5	<1.2	<1.3	<2.3	**2.3**	**5.5**	<2.6	<1.0	<1.1	<1.3	<1.3	**66**	**1.8**	**5.0**	<1.7	<1.3	<4.1	ND
RSB-30-R5-15	15	3/8/2022	**1.8**	<1.5	<1.5	**5.9**	<3.1	<1.5	**4.9**	**13**	**11**	**7.9**	**6.9**	<1.2	**2.5**	<2.3	**2.3**	**5.8**	**5.3**	**1.4**	**1.8**	**2.0**	**1.6**	**67**	**19**	**23**	<1.7	**7.4**	<4.1	ND
RSB-30-R6-35	35	3/8/2022	**28**	<1.5	<1.5	**18**	<3.1	<1.5	**4.5**	**22**	**3.3**	**5.7**	**86**	<1.2	**2.9**	<2.3	**3.0**	<3.7	**10**	**1.4**	**3.6**	**3.1**	**1.3**	**88**	**7.4**	**550**	**3.8**	**13**	<4	ND
RSB-31-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	20	<13	<13	NA	NA	NA	ND
RSB-32-5	5	1/7/2021	<13	<13	<13	NA	NA	NA	NA	NA	<13	NA	**10**	<13	<13	NA	NA	NA	<13	NA	NA	<13	NA	<13	**10**	<13	NA	NA	NA	ND
RSB-32-30	30	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	**100**	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	**10**	<13	NA	NA	NA	ND
RSB-33-5	5	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-33-15	15	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	**50**	<13	NA	NA	NA	ND
RSB-38-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<12	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**650**	<13	<13	NA	NA	NA	ND
RSB-38-15	15	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**40**	<1.0	**1.9**	<1.5	<1.2	<1.3	<2.3	**2.7**	**35 b**	<2.6	<1.0	<1.1	<1.3	<1.3	**1,000**	<1.1	**8.8**	**3.7**	<1.3	ND	ND
RSB-38-15-DUP	15	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	<1.0	**2.0**	<1.5	<1.2	<1.3	<2.3	**2.3**	**9.9 b**	<2.6	<1.0	<1.1	<1.3	<1.3	**1,000**	<1.1	**1.8**	**3.7**	<1.3	ND	ND
RSB-38-R1-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**10**	<1.0	**3.2**	<1.5	<1.2	<1.3	<2.3	**2.4**	**19 b**	<2.6	<1.0	<1.1	<1.3	<1.3	**570**	**1.3**	<1.6	**3.1**	<1.3	ND	ND
RSB-38-R2-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**19**	<1.0	**9.3**	**8.0**	<1.2	<1.3	<2.3	**2.3**	**9.8 b**	<2.6	<1.0	<1.1	<1.3	<1.3	**170**	<1.1	<1.6	**5.6**	<1.3	ND	ND
RSB-38-R3-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**15**	<1.0	**1.6**	<1.5	<1.2	<1.3	<2.3	**2.8**	**24 b**	<2.6	**1.2**	<1.1	<1.3	<1.3	**110**	<1.1	**4.1**	**4.7**	<1.3	ND	ND
RSB-38-R4-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	<1.0	**1.9**	<1.5	<1.2	<1.3	<2.3	**2.3**	**4.3**	<2.6	<1.0	<1.1	<1.3	<1.3	**2.3**	**2.2**	<1.6	**2.4**	<1.3	**5.0**	ND
RSB-38-R4-15	15	3/8/2022	<1.2	<1.5	<1.5	**4.7**	<3.1	<1.5	<1.2	**12**	**1.3**	**5.1**	<1.5	<1.2	<1.3	<2.3	**2.4**	<3.7	<2.6	**1.3**	<1.1	<1.3	<1.3	**3.1**	**5.3**	<1.6	**3.1**	<1.3	<4.1	ND
RSB-38-R5-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**16**	**1.4**	**12**	<1.5	<1.2	<1.3	<2.3	**2.8**	**4.9**	<2.6	<1.0	**1.1**	<1.3	<1.3	**3.7**	**5.1**	<1.6	**6.3**	<1.3	<4.1	ND
RSB-38-R5-15	15	3/8/2022	<1.2	<1.5	<1.5	**8.2**	<3.1	**2.0**	<1.2	**22**	**2.1**	**18**	<1.5	<1.2	<1.3	<2.3	**3.0**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**6.1**	**7.4**	<1.6	**7.8**	<1.3	<4.1	ND

Table 9
Soil Vapor Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft)	Date Sampled	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	2-Hexanone	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Carbon Disulfide	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Freon 113	Freon 12	Isopropanol (IPA)	m,p-Xylenes	Methylene Chloride	n-Hexane	o-Xylene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Xylene (total)	1,1-Difluoroethane (LCC)	Other Analyzed VOCs
Analytical Method			USEPA Method TO-15																											
Unit			µg/m^3																											
USEPA Industrial Indoor Air RSL (AF=0.03)			NS	8,667	8,667	733,333	4,333	NS	433,333	NS	53	103,333	18	6,000	163	733,333	14,667	29,333	14,667	40,000	103,333	14,667	146,667	1,567	733,333	100	NS	14,667	14,667	Varies
DTSC Industrial Indoor Air SL (AF=0.03)			10,333	NS	NS	NS	NS	NS	NS	NS	14	NS	NS	1,167	NS	NS	NS	NS	NS	400	NS	NS	130,000	67	43,333	100*	176,667	NS	NS	Varies
RSB-38-R6-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**21**	**1.1**	**2.0**	<1.5	<1.2	<1.3	<2.3	**3.0**	<3.7	<2.6	<1.0	**1.5**	<1.3	<1.3	**17**	**2.1**	<1.6	**8.6**	<1.3	<4.1	ND
RSB-38-R6-15	15	3/8/2022	<1.2	<1.5	<1.5	**5.1**	<3.1	<1.5	<1.2	**17**	**5.5**	**20**	<1.5	<1.2	<1.3	<2.3	**3.4**	<3.7	<2.6	<1.0	**2.1**	<1.3	<1.3	**24**	**6.9**	**13**	**11**	<1.3	<4.1	ND
RSB-38-R7-35	35	3/8/2022	**9.9**	<1.5	<1.5	**7.9**	<3.1	<1.5	<1.2	**12**	<1.0	**3.0**	**25**	<1.2	<1.3	<2.3	**3.7**	<3.7	<2.6	<1.0	**1.1**	<1.3	<1.3	**45**	<1.1	**270**	**7.8**	<1.3	<4.1	ND
RSB-43-5	5	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-43-15	15	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	**30**	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	40	<13	NA	NA	NA	ND
RSB-44-5	5	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-44-15	15	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-44-15	15	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-46-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**20**	<13	<13	NA	NA	NA	ND
RSB-47-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-48-5	5	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	**10**	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**60**	<13	**20**	NA	NA	NA	ND
RSB-49-5	5	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**20**	**20**	<13	NA	NA	NA	ND
RSB-51-15	15	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-52-5	5	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-52-5-DUP	5	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-53-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**210**	<13	<13	NA	NA	NA	ND
RSB-53-15	15	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**4.2**	<1.0	<0.9	<1.5	<1.2	<1.3	<2.3	**2.0**	<3.7	<2.6	**1.4**	<1.1	<1.3	<1.3	**1,100**	**6.4**	<1.6	<1.7	<1.3	ND	ND
RSB-53-R1-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	<3.6	<1.0	**1.9**	<1.5	<1.2	<1.3	<2.3	**2.5**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**88**	**1.3**	<1.6	**3.2**	<1.3	ND	ND
RSB-53-R2-5	5	11/2/2021	<2.4	<2.9	<2.9	<8.8	<6.1	<2.9	<2.5	<7.1	<1.9	<1.9	<2.9	<2.4	<2.6	<4.6	<3.0	<7.4	<5.2	<2.1	**250**	<2.6	<2.6	**82**	**3.4**	<3.2	**4.3**	<2.6	ND	ND
RSB-53-R3-5	5	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**10**	<1.0	**1.9**	<1.5	<1.2	<1.3	<2.3	**2.2**	**7.7**	<2.6	**1.3**	<1.1	<1.3	<1.3	**200**	**2.4**	**11**	<1.7	<1.3	ND	ND
RSB-53-R4-5	5	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	<3.6	<1.0	**1.7**	<1.5	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**1,300**	**1.3**	<1.6	<1.7	<1.3	ND	ND
RSB-53-R5-5	5	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**16**	<1.0	**2.9**	<1.5	<1.2	<1.3	<2.3	**2.1**	**3.7**	<2.6	**1.1**	<1.1	<1.3	<1.3	**93**	**4.7**	<1.6	<1.7	<1.3	ND	ND
RSB-53-R6-5	5	11/3/2021	<1.3	<1.6	<1.6	<4.7	<3.3	<1.6	<1.3	**7.5**	<1.0	**2.7**	<1.6	<1.3	<1.4	<2.5	**1.9**	**41**	<2.8	**1.3**	<1.1	<1.4	<1.4	**100**	**5.7**	<1.7	<1.8	<1.4	ND	ND
RSB-53-R7-5	5	11/3/2021	<1.6	<2.0	<2.0	**6.3**	<4.1	<2.0	<1.6	**42**	<1.3	**5.2**	<2.0	<1.6	<1.7	<3.1	**2.1**	**7.2**	<3.5	**9.0**	**1.8**	<1.7	<1.7	**190**	**3.9**	<2.1	<2.2	<1.7	ND	ND
RSB-53-R10-5	5	3/7/2022	<1.2	**1.7**	<1.5	**6.3**	<3.1	<1.5	<1.2	**21**	<1.0	<0.9	<1.5	<1.2	<1.3	<2.3	**2.3**	**6.0**	<2.6	<1.0	<1.1	<1.3	<1.3	**55**	**1.7**	**12**	**1.8**	<1.3	<4.1	ND
RSB-53-R10-15	15	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	**1.1**	**1.4**	<1.5	<1.2	<1.3	<2.3	**2.4**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**24**	**2.1**	<1.6	<1.7	<1.3	<4.1	ND
RSB-53-R11-5	5	3/7/2022	<1.2	**3.2**	<1.5	**4.8**	<3.1	<1.5	<1.2	**18**	<1.0	**1.1**	<1.5	<1.2	<1.3	<2.3	**2.5**	**8.1**	<2.6	<1.0	<1.1	<1.3	<1.3	**23**	<1.1	<1.6	**3.4**	<1.3	<4.1	ND
RSB-53-R11-15	15	3/7/2022	<1.2	**2.3**	<1.5	**9.5**	<3.1	<1.5	<1.2	**27**	<1.0	**1.0**	<1.5	<1.2	<1.3	<2.3	**2.5**	**7.8**	<2.6	<1.0	<1.1	<1.3	<1.3	**44**	<1.1	**13**	**3.7**	<1.3	<4.1	ND
RSB-53-R12-15	15	3/7/2022	<1.2	**4.6**	<1.5	**6.4**	<3.1	<1.5	<1.2	**6.3**	<1	**1.3**	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**210**	**1.2**	**7.1**	<1.7	<1.3	<4.1	ND
RSB-53-R13-15	15	3/7/2022	<3.0	<3.7	<3.7	<11	<7.7	<3.7	<3.1	**18**	<2.4	<2.3	<3.7	<3.0	<3.3	<5.7	<3.7	<9.2	<6.5	<2.6	<2.6	<3.3	<3.2	**880**	<2.8	<4.0	<4.2	<3.3	<10	ND
RSB-53-R13-15-DUP	15	3/7/2022	<3.0	<3.7	<3.7	<11	<7.7	<3.7	<3.1	**16**	<2.4	<2.3	<3.7	<3.0	<3.3	<5.7	<3.7	<9.2	<6.5	<2.6	<2.6	<3.3	<3.2	**970**	<2.8	<4.0	<4.2	<3.3	<10	ND
RSB-53-R14-35	35	3/7/2022	<1.2	**2.7**	<1.5	**12**	<3.1	<1.5	**2.2**	**23**	**3.7**	**6.5**	<1.5	<1.2	**1.3**	<2.3	**2.3**	<3.7	**3.1**	<1.0	<1.1	<1.3	<1.3	**540**	**11**	**12**	**1.8**	**3.1**	<4.1	ND
RSB-53-R15-15	15	3/7/2022	<1.2	**4.9**	<1.5	**9.3**	<3.1	<1.5	**1.6**	**51**	**1.3**	**3.8**	<1.5	<1.2	<1.3	<2.3	**2.3**	**7.7**	**5.0**	**1.1**	**3.1**	**1.9**	<1.3	**660**	**42**	**5.3**	<1.7	**6.9**	<4.1	ND
RSB-53-R15-35	35	3/7/2022	<1.2	**5.5**	<1.5	**7.0**	<3.1	<1.5	**1.5**	**40**	**1.2**	**4.3**	<1.5	<1.2	**1.5**	<2.3	**2.4**	**4.2**	**6.2**	<1.0	**1.3**	**2.3**	<1.3	**840**	**64**	**31**	**1.8**	**8.5**	<4.1	ND
RSB-53-R8-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**7.3**	<1.0	<0.9	<1.5	**1.2**	<1.3	<2.3	**2.4**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**440**	<1.1	<1.6	**7.1**	<1.3	<4.1	ND
RSB-53-R8-15	15	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**11**	<1.0	**2.2**	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**460**	**2.0**	**4.3**	**3.4**	<1.3	<4.1	ND
RSB-53-R9-5	5	3/7/2022	<1.2	**2.5**	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	<1.0	<0.9	<1.5	<1.2	<1.3	<2.3	**2.3**	**6.4**	<2.6	<1.0	<1.1	<1.3	<1.3	**25**	<1.1	<1.6	<1.7	<1.3	<4.1	ND
RSB-53-R9-15	15	3/7/2022	<1.2	<1.5	<1.5	**7.7**	<3.1	<1.5	<1.2	**14**	<1.0	**1.0**	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**45**	<1.1	**3.5**	<1.7	<1.3	<4.1	ND
RSB-54-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**100,000**	<13	<13	NA	NA	NA	ND
RSB-54-CL-5	5	2/1/2021	NA	<500	<500	NA	NA	NA	NA	NA	<500	NA	<500	<500	<500	NA	NA	NA	<26	NA	NA	<500	NA	**34,000**	<500	<1	NA	NA	NA	ND
RSB-54-CL-15	15	2/1/2021	NA	<25	<25	NA	NA	NA	NA	NA	<25	NA	<25	<25	<25	NA	NA	NA	<50	NA	NA	<25	NA	**7,800**	<25	<25	NA	NA	NA	ND
RSB-54-CL-35	35	2/1/2021	NA	<25	<25	NA	NA	NA	NA	NA	<25	NA	<25	<25	<25	NA	NA	NA	<50	NA	NA	<25	NA	**240**	<25	<25	NA	NA	NA	ND
RSB-54-E-5	5	2/1/2021	NA	<25	<25	NA	NA	NA	NA	NA	<25	NA	<25	<25	<25	NA	NA	NA	<50	NA	NA	<25	NA	**3,100**	<25	<25	NA	NA	NA	ND
RSB-54-E-15	15	2/1/2021	NA	<25	<25	NA	NA	NA	NA	NA	<25	NA	<25	<25	<25	NA	NA	NA	<50	NA	NA	<25	NA	**1,900**	**40**	<26	NA	NA	NA	ND
RSB-54-E-35	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**80**	**10**	<13	NA	NA	NA	ND
RSB-54-E1-5	5	11/3/2021	<1.3	<1.6	<1.6	<4.7	<3.3	<1.6	**1.4**	**17**	<1.0	**1.8**	<1.6	<1.3	<1.4	<2.5	**2.3**	**7.0**	<2.8	**1.5**	<1.1	<1.4	<1.4	**790**	**1.3**	<1.7	<1.8	<1.4	ND	ND
RSB-54-E1-15	15	11/3/2021	<13	<16	<16	<47	<33	<16	<13	<38	<10	<10	<16	<13	<14	<25	<16	<39	<28	<11	<11	<14	<14	**2,500**	<12	**23**	<18	<14	ND	ND
RSB-54-E2-5	5	11/3/2021	<6.3	<7.9	<7.9	<24	<16	<7.9	<6.6	<19	<5.1	<5.0	<7.8	<6.3	<6.9	<12	<7.9	**25**	<14	<5.6	<5.6	<6.9	<6.8	**1,500**	<6.0	<8.6	<9.0	<6.9	ND	ND
RSB-54-E2-15	15	11/3/2021	<6.3	<7.9	<7.9	<24	<16	<7.9	<6.6	<19	<5.1	<5.0	<7.8	<6.3	<6.9	<12	<7.9	<20	<14	<5.6	<5.6	<6.9	<6.8	**1,700**	<6.0	**24**	<9.0	<6.9	ND	ND
RSB-54-E3-35	35	3/7/2022	<4.8	<5.9	<5.9	<18	<12	<5.9	<4.9	**18**	<3.8	<3.7	<5.9	<4.8	<5.2	<9.2	<5.9	<15	<10	<4.2	<4.2	<5.2	<5.1	**860**	<4.5	**170**	<6.7	<5.2	<16	ND
RSB-54-E4-5	5	3/7/2022	<1.2	<1.5	<1.5	**6.0**	<3.1	<1.5	<1.2	**18**	<1.0	**1.1**	<1.5	<1.2	<1.3	<2.3	**2.6**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**2.7**	<1.1	**2.4**	<1.7	<1.3	<4.1	ND
RSB-54-E4-15	15	3/7/2022	<1.2	<1.5	<1.5	**12**	<3.1	<1.5	<1.2	**27**	**1.2**	**17**	<1.5	<1.2	<1.3	<2.3	**2.6**	<3.7	<2.6	<1.0	**1.9**	<1.3	<1.3	**2.2**	**1.3**	**2.4**	**2.2**	<1.3	<4.1	ND
RSB-54-E4-35	35	3/7/2022	<1.2	<1.5	<1.5	**18**	<3.1	<1.5	<1.2	**36**	<1.0	**6.3**	<1.5	<1.2	<1.3	<2.3	**3.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**8.0**	**1.2**	**42**	**5.4**	<1.3	<4.1	ND
RSB-54-N-5	5	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**10**	<13	<13	NA	NA	NA	ND
RSB-54-N-15	15	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**110**	**90**	<13	NA	NA	NA	ND
RSB-54-N-35	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**100**	**20**	<13	NA	NA	NA	ND
RSB-54-N-35-DUP	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**130**	**40**	<13	NA	NA	NA	ND
RSB-54-N-R1-15	15	11/2/2021	<1.2	<1.5	<1.5	**5.1**	<3.1	<1.5	<1.2	**8.5**	<1.0	**1.7**	<1.5	<1.2	<1.3	<2.3	**2.4**	**16 b**	<2.6	<1.0	**2.3**	<1.3	<1.3	**150**	<1.1	<1.6	**3.6**	<1.3	ND	ND
RSB-54-N-R2-15	15	11/3/2021	<1.3	<1.6	<1.6	<4.7	<3.3	<1.6	<1.3	**6.3**	<1.0	**1.8**	<1.6	<1.3	<1.4	<2.5	**2.4**	**16**	<2.8	<1.1	<1.1	<1.4	<1.4	**35**	<1.2	<1.7	**4.9**	<1.4	ND	ND
RSB-54-N-R3-15	15	11/3/2021	<1.2	**1.7**	<1.5	<4.4	<3.1	<1.5	<1.2	**7.7**	<1.0	<0.9	<1.5	<1.2	<1.3	<2.3	**2.2**	<3.7	**3.3**	<1.0	<1.1	**1.7**	<1.3	**14**	**2.5**	<1.6	**3.3**	**5.0**	ND	ND
RSB-54-NE-5	5	3/7/2022	<1.2	**1.9**	<1.5	**7.4**	<3.1	<1.5	<1.2	**21**	<1.0	<0.9	<1.5	<1.2	<1.3	<2.3	**2.6**	**11**	<2.6	<1.0	<1.1	<1.3	<1.3	**12**	**1.5**	<1.6	**3.7**	<1.3	<4.1	ND
RSB-54-NE-15	15	3/7/2022	<1.2	<1.5	<1.5	**13**	<3.1	<1.5	<1.2	**30**	<1.0	**1.2**	<1.5	<1.2	<1.3	<2.3	**2.8**	**7.8**	<2.6	<1.0	<1.1	<1.3	<1.3	**47**	**2.4**	**8.5**	**4.8**	<1.3	<4.1	ND
RSB-54-NE-35	35	3/7/2022	<1.2	<1.5	<1.5	**17**	<3.1	<1.5	**2.1**	**38**	<1.0	**3.8**	<1.5	<1.2	<1.3	<2.3	**2.9**	**9.7**	<2.6	<1.0	**1.2**	<1.3	<1.3	**62**	**2.0**	**66**	**5.3**	<1.3	<4.1	ND
RSB-54-NE-35-DUP	35	3/7/2022	<1.2	<1.5	<1.5	**16**	<3.1	<1.5	**2.0**	**33**	**1.0**	**4.0**	<1.5	<1.2	<1.3	<2.3	**2.9**	**4.2**	<2.6	<1.0	**1.1**	<1.3	<1.3	**66**	**2.0**	**68**	**5.3**	<1.3	<4.1	ND
RSB-54-S-5	5	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**330**	<13	<13	NA	NA	NA	ND
RSB-54-S-15	15	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**180**	**20**	<13	NA	NA	NA	ND
RSB-54-S-35	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**50**	**10**	<13	NA	NA	NA	ND
RSB-54-S1-5	5	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	**1.4**	**13**	<1.0	**3.1**	<1.5	<1.2	<1.3	<2.3	**2.3**	**15.0**	**4.6**	**3.7**	**1.3**	**1.7**	<1.3	**180**	**2.1**	**5.3**	<1.7	**6.3**	0.44 J	ND
RSB-54-S1-15	15	11/3/2021	<1.2	**1.9**	<1.5	**7.7**	<3.1	<1.5	**5.1**	**27**	**1.2**	**5.5**	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	**4.2**	**1.1**	<1.1	**1.6**	<1.3	**570**	**6.1**	**53**	<1.7	**5.8**	ND	ND
RSB-54-S2-5	5	3/7/2022	<1.2	<1.5	<1.5	**8.0**	<3.1	<1.5	<1.2	**22**	**1.3**	**1.6**	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**23**	**1.7**	**5.0**	<1.7	<1.3	<4.1	ND

Table 9
Soil Vapor Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft)	Date Sampled	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	2-Hexanone	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Carbon Disulfide	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Freon 113	Freon 12	Isopropanol (IPA)	m,p-Xylenes	Methylene Chloride	n-Hexane	o-Xylene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Xylene (total)	1,1-Difluoroethane (LCC)	Other Analyzed VOCs
Analytical Method			USEPA Method TO-15																											
Unit			$\mu g/m^3$																											
USEPA Industrial Indoor Air RSL (AF=0.03)			NS	8,667	8,667	733,333	4,333	NS	433,333	NS	53	103,333	18	6,000	163	733,333	14,667	29,333	14,667	40,000	103,333	14,667	146,667	1,567	733,333	100	NS	14,667	14,667	Varies
DTSC Industrial Indoor Air SL (AF=0.03)			10,333	NS	NS	NS	NS	NS	NS	NS	14	NS	NS	1,167	NS	NS	NS	NS	NS	400	NS	NS	130,000	67	43,333	100*	176,667	NS	NS	Varies
RSB-54-S2-35	35	3/7/2022	<1.2	<1.5	<1.5	**5.9**	<3.1	<1.5	<1.2	**15**	**1.9**	**3.7**	<1.5	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	**1.8**	<1.3	<1.3	**12**	**4.0**	**35**	<1.7	<1.3	<4.1	ND
RSB-54-SE-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**11**	<1.0	**1.3**	<1.5	<1.2	<1.3	<2.3	**2.6**	<3.7	<2.6	<1.0	**1.3**	<1.3	<1.3	**3.8**	**20**	**2.4**	<1.7	<1.3	<4.1	ND
RSB-54-SE-15	15	3/7/2022	<1.2	<1.5	<1.5	**5.4**	<3.1	<1.5	<1.2	**14**	<1.0	**2.0**	<1.5	<1.2	<1.3	<2.3	**2.5**	**5.2**	<2.6	**1.8**	**1.2**	<1.3	<1.3	**14**	**3.7**	**83**	**2.3**	<1.3	<4.1	ND
RSB-54-SE-35	35	3/7/2022	<1.2	<1.5	<1.5	**5.7**	<3.1	<1.5	<1.2	**18**	<1.0	**2.5**	**3.6**	<1.2	<1.3	<2.3	**2.7**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**30**	**2.0**	**520**	**3.1**	<1.3	<4.1	ND
RSB-54-W-5	5	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**170**	**50**	<13	NA	NA	NA	ND
RSB-54-W-15	15	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**410**	<13	<13	NA	NA	NA	ND
RSB-54-W-35	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**580**	**380**	<13	NA	NA	NA	ND
RSB-55-5	5	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-56-5	5	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-59-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	**60**	<13	NA	NA	NA	ND
RSB-59-15	15	1/8/2021	NA	**30**	**30**	NA	NA	NA	NA	NA	**10**	NA	<13	<13	**10**	NA	NA	NA	**20**	NA	NA	20	NA	<13	**100**	<13	NA	NA	NA	ND
RSB-59-15-DUP	15	1/8/2021	NA	**40**	**30**	NA	NA	NA	NA	NA	**10**	NA	<13	<13	**10**	NA	NA	NA	**20**	NA	NA	20	NA	<13	**80**	<13	NA	NA	NA	ND
RSB-60-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**130**	<13	<13	NA	NA	NA	ND
RSB-60-15	15	11/1/2021	**4.0**	<1.6	<1.6	<4.7	<3.3	<1.6	<1.3	**5.8**	**1.4**	<1.0	<1.6	<1.3	**2.4**	**18**	**2.5**	**17 b**	**8.3**	**1.4**	**1.2**	**4.1**	<1.4	**470**	**11**	**15**	<1.8	**12**	ND	ND
RSB-60-R1-5	5	11/1/2021	<1.2	**2.8**	**2.1**	<4.4	<3.1	<1.5	<1.2	**7.0**	**1.7**	<0.9	<1.5	<1.2	**2.8**	<2.3	**2.5**	<3.7	**9.8**	<1.0	<1.1	**5.0**	<1.3	**300**	**13**	**3.8**	<1.7	**15**	ND	ND
RSB-60-R2-5	5	11/1/2021	<1.3	**3.6**	**2.2**	<4.7	<3.3	<1.6	<1.3	**6.4**	**12**	**1.2**	<1.6	<1.3	**8.3**	**4.6**	**2.6**	**14 b**	**22**	<1.1	**6.0**	**7.7**	<1.4	**350**	**56**	**8.5**	**2.4**	**30**	ND	ND
RSB-60-R3-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**13**	**29**	**2.8**	<1.5	<1.2	**1.9**	<2.3	**2.7**	**33 b**	**3.7**	<1.0	**6.4**	**1.4**	<1.3	**170**	**38**	**9.3**	**4.8**	**5.1**	ND	ND
RSB-60-R4-5	5	11/1/2021	<1.2	**2.8**	<1.5	<4.4	<3.1	**1.6**	<1.2	**11**	**1.1**	<0.9	<1.5	<1.2	**6.3**	<2.3	**2.5**	**7.6 b**	**13**	<1.0	<1.1	**5.2**	<1.3	**140**	**20**	**10**	**1.8**	**19**	ND	ND
RSB-60-R5-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**13**	**1.2**	<0.9	<1.5	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**150**	**1.9**	**4.2**	**1.9**	<1.3	<4.1	ND
RSB-60-R5-5-DUP	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**7.1**	**1.2**	<0.9	<1.5	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**160**	**1.6**	**4.2**	**1.9**	<1.3	<4.1	ND
RSB-60-R5-15	15	3/8/2022	<1.2	<1.5	<1.5	**6.4**	<3.1	<1.5	<1.2	**14**	**1.3**	**2.2**	**4.5**	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**200**	**3.9**	**46**	**2.2**	<1.3	<4.1	ND
RSB-60-R5-15-DUP	15	3/8/2022	<1.2	<1.5	<1.5	**4.7**	<3.1	<1.5	<1.2	**5.6**	**1.7**	**2.1**	**4.5**	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	**1.3**	<1.3	<1.3	**210**	**4.3**	**45**	**2.2**	<1.3	<4.1	ND
RSB-60-R6-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**16**	<1.0	**1.3**	<1.5	<1.2	<1.3	<2.3	**2.7**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**21**	**1.4**	**47**	**3.8**	<1.3	1,100	ND
RSB-60-R6-15	15	3/8/2022	<1.2	<1.5	<1.5	**6.3**	<3.1	<1.5	<1.2	**11**	**2.3**	**5.3**	**2.7**	<1.2	<1.3	<2.3	**3.1**	<3.7	<2.6	<1.0	**1.1**	<1.3	<1.3	**13**	**1.9**	**200**	**5.9**	<1.3	<4.1	ND
RSB-60-R8-15	15	3/8/2022	<1.2	**1.8**	<1.5	**6.0**	<3.1	<1.5	**2.6**	**21**	**3.7**	**2.9**	**2.6**	<1.2	**2.3**	<2.3	**2.3**	<3.7	**5.4**	<1.0	**1.3**	**2.2**	<1.3	**150**	**130**	**69**	<1.7	**7.6**	<4.1	ND
RSB-60-R8-35	35	3/8/2022	**5.8**	<1.5	<1.5	**7.1**	<3.1	<1.5	<1.2	**13**	<1.0	**2.1**	**28**	<1.2	<1.3	<2.3	**2.7**	<3.7	<2.6	<1.0	**1.4**	<1.3	<1.3	**190**	**2.1**	**480**	**2.5**	<1.3	<4.1	ND
RSB-61-5	5	1/28/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**90**	<13	<13	NA	NA	NA	ND
RSB-61-15	15	11/4/2021	<1.2	**1.3**	**0.3 J**	**8.1**	<3.1	<1.5	**10**	**18**	0.44 J	**3.2**	<1.5	<1.2	0.46 J	0.52 J	**2.5**	**10 b**	1.2 J	0.93 BJ	0.7 J	0.56 J	<1.3	**17**	**2.1**	<1.6	**5.7**	1.8 J	ND	ND
RSB-61-W-10	10	11/4/2021	<1.2	**2.0**	**0.54 J**	**3.1 J**	<3.1	<1.5	**7.7**	**12**	<1.0	**3.7**	0.31 J	<1.2	0.34 J	0.5 J	**2.5**	**13 b**	1.2 J	0.59 BJ	0.26 J	0.68 J	<1.3	**5.9**	**1.6**	<1.6	**3.5**	1.9 J	ND	ND
RSB-61-E-10	10	11/4/2021	<1.2	**1.2**	<1.5	<4.4	<3.1	<1.5	**2.9**	**5.8**	0.24 J	**2.8**	<1.5	<1.2	0.28 J	0.51 J	**2.5**	<3.7	0.94 J	0.33 BJ	<1.1	0.5 J	<1.3	**29**	**1.1 J**	<1.6	**7.0**	1.4 J	ND	ND
RSB-61-NW-10	10	11/4/2021	<1.2	**1.7**	<1.5	**12**	<3.1	<1.5	**1 J**	**8.2**	0.41 J	**2.8**	<1.5	<1.2	0.4 J	0.53 J	**2.6**	**29 b**	1.1 J	0.6 BJ	0.65 J	0.63 J	<1.3	**9.5**	**1.6**	<1.6	**12.0**	1.8 J	ND	ND
RSB-64-5	5	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**30**	<13	<13	NA	NA	NA	ND
RSB-64-15	15	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**20**	<13	<13	NA	NA	NA	ND
RSB-69-5	5	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND
RSB-69-15	15	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	NA	ND

Notes:

ft = feet

VOCs = volatile organic compounds

USEPA = United States Environmental Protection Agency

$\mu g/m^3$ = micrograms per cubic meter

USEPA Industrial Indoor Air RSL = USEPA Industrial Indoor Air Regional Screening Level with screening attenuation factor of 0.03, according to the California Department of Toxic Substances Control (DTSC) Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion (May 2021)

DTSC Commercial/Industrial Indoor Air SL = DTSC Commercial/Industrial Indoor Air SL with screening attenuation factor of 0.03, according to the DTSC Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion (June 2020)

AF = Attenuation Factor

NA = Not applicable

NS = No standard established

<X or ND = analyte not detected above laboratory reporting limit

J = Estimated concentration above the method detection limit but below the laboratory reporting limit

B = analyte was detected in the method blank

b = Data affected by high ICAL percent relative standard deviation for the analyte in the calibration analyzed

Bold indicates that value exceeds laboratory reporting limit

Italics indicate sample is a duplicate

** Trichloroethene DTSC SL from HHRA Note 5 - "HERO strongly recommends consulting with the HERO toxicologist" when indoor air concentrations exceed 3 ug/m3*

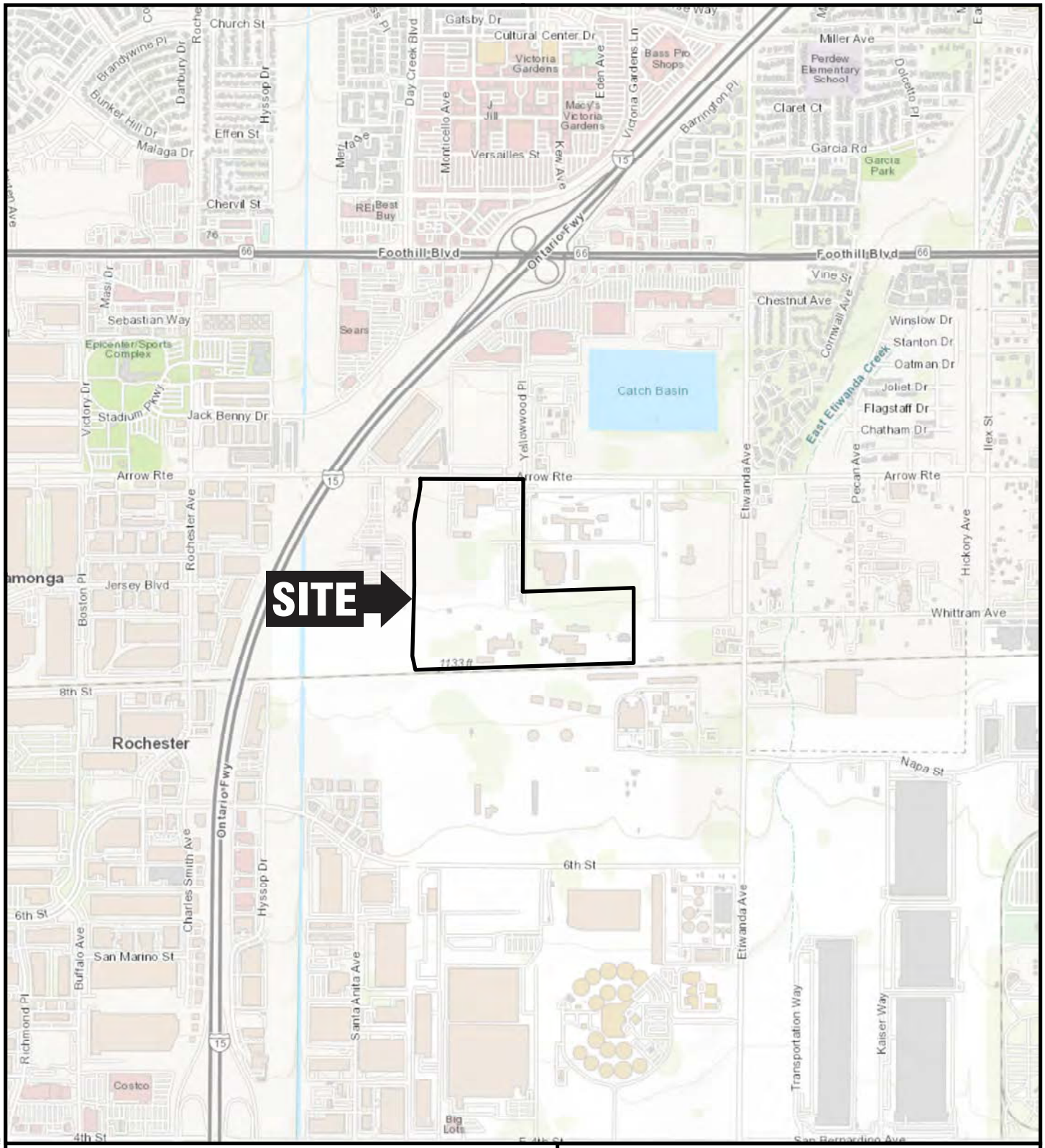
Cells highlighted in gray indicate that data may not be reliable for its intended purpose due to leak check compound detection greater than 10 times the reporting limit.

Cells highlighted in green indicates data collected by Ramboll

Cells highlighted in orange exceed either one or both SLs

FIGURES

1. Site Location Map
2. Site Plan
3. Proposed Development Plan
4. Sample Locations
5. Sample Locations – NW Portion of Site
6. Sample Locations – SW Portion of Site
7. Sample Locations – SE Portion of Site
8. Southern Portion of Parcel 3 – TPH in Soil
9. Parcel 2 – TPH in Soil
10. Parcel 2 – Lead in Soil
11. Southern Portion of Parcel 3 – Lead in Soil
12. Rail Spur Parcels 2 and 3 – Exceedances in Soil
13. Parcel 3 with PCE Iso-Concentration Contours - 5 Feet bgs
14. Parcel 3 with Benzene Iso-Concentration Contours - 5 Feet bgs
15. Parcel 3 with PCE Iso-Concentration Contours - 15 Feet bgs
16. Parcel 3 with Benzene Iso-Concentration Contours - 15 Feet bgs
17. Parcel 3 with TCE Iso-Concentration Contours - 15 Feet bgs
18. Parcel 3 with Chloroform Iso-Concentration Contours - 15 Feet bgs
19. Parcel 3 with PCE Iso-Concentration Contours - 35 Feet bgs
20. Parcel 3 with TCE Iso-Concentration Contours - 35 Feet bgs
21. Parcel 3 with Chloroform Iso-Concentration Contours - 35 Feet bgs



LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

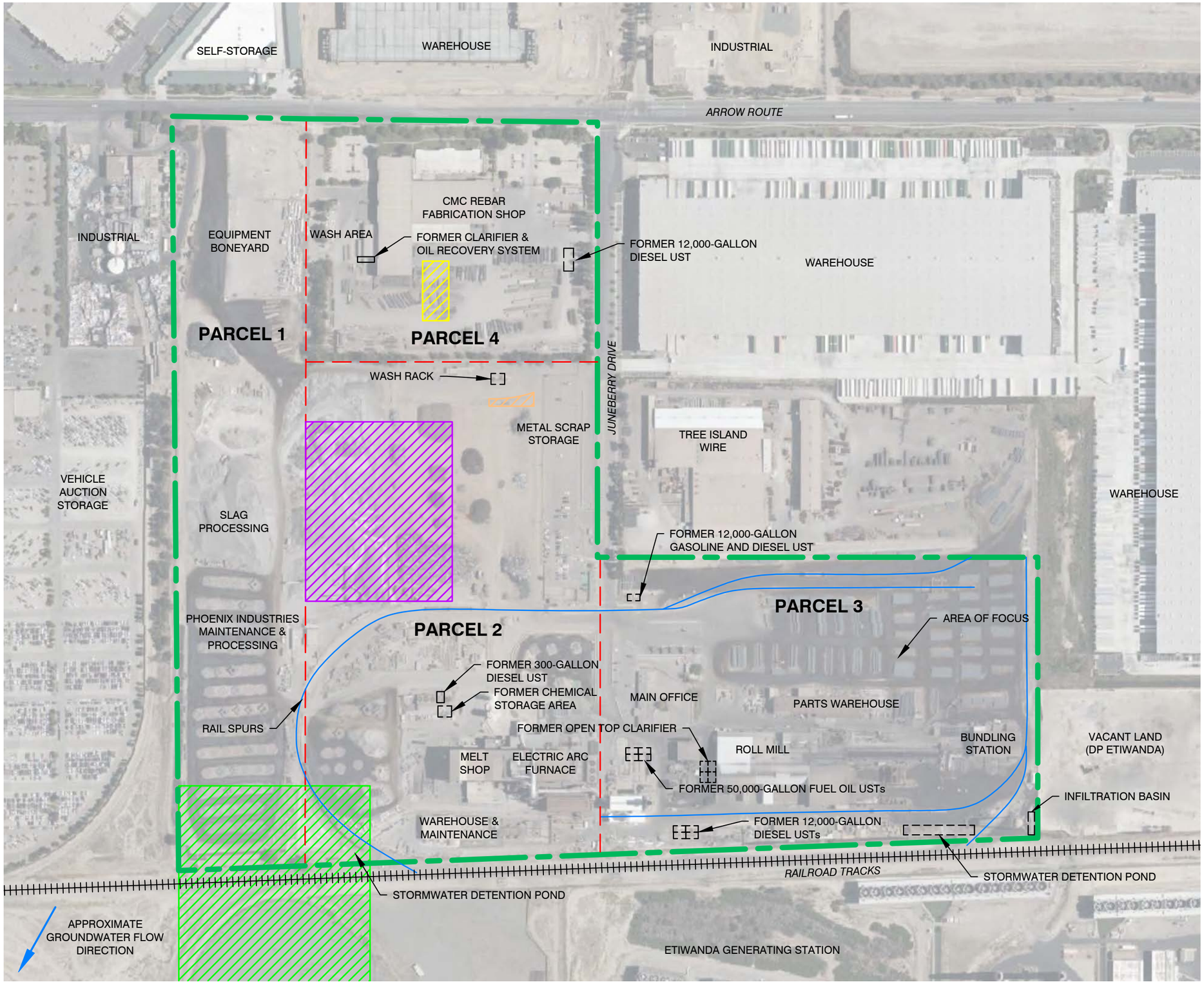
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: M.J.N.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1

S:\GIS\PROJECTS\3200\0007L\100\3200.0007L100.0.MXD



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

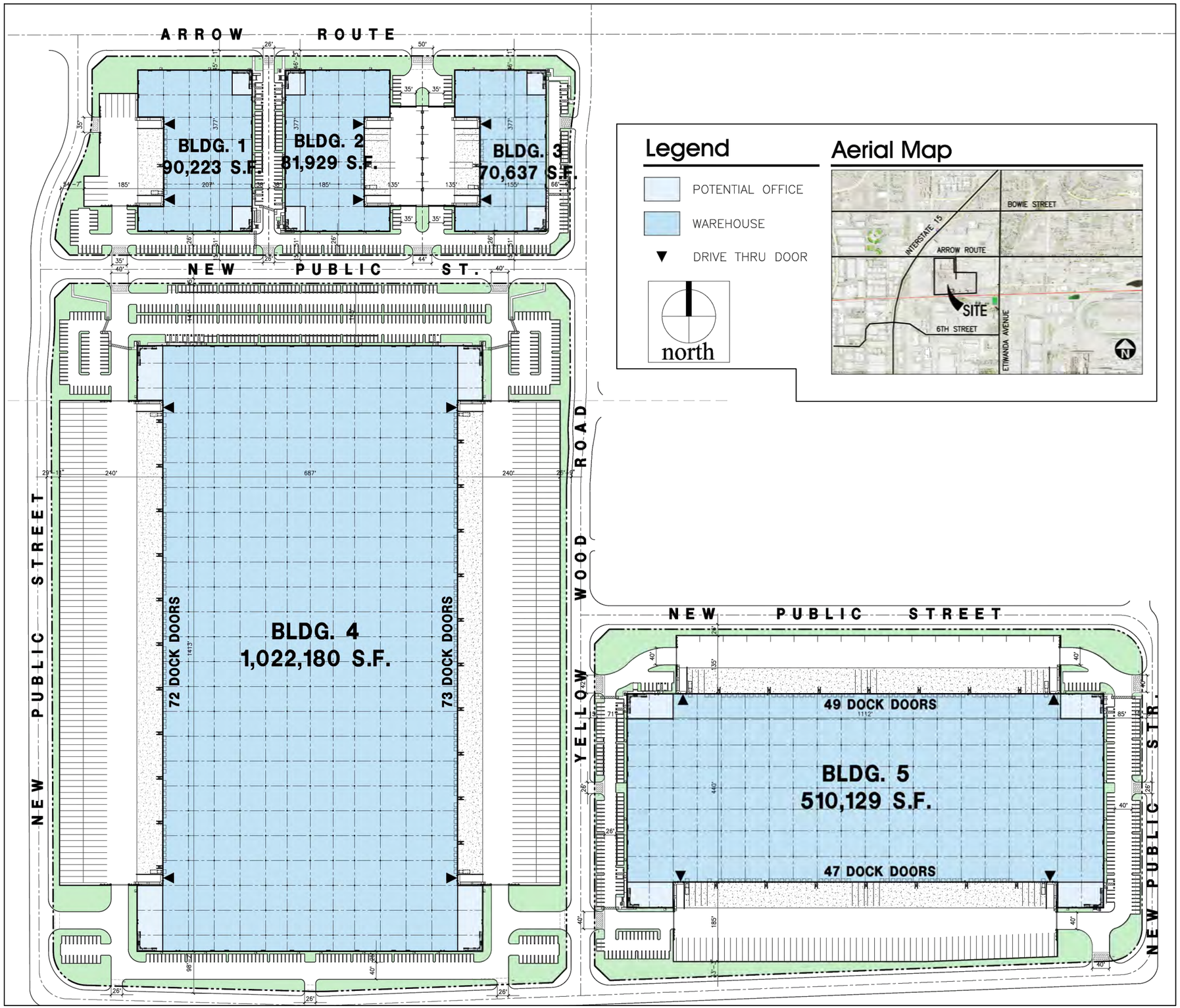
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 11 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	2
Project Mgr: P.S.	Project: 3200.0007L	
File: 053_3200.0007L_SITE PLAN.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\053_3200.0007L_SITE PLAN.DWG



Legend

- POTENTIAL OFFICE
- WAREHOUSE
- ▼ DRIVE THRU DOOR

north

Aerial Map

NOTES

1. DRAWING ADAPTED FROM CONCEPTUAL SITE PLAN SCHEME 40, BY HPA ARCHITECTURE, DATED JUNE 9, 2023.

Title:

PROPOSED DEVELOPMENT PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

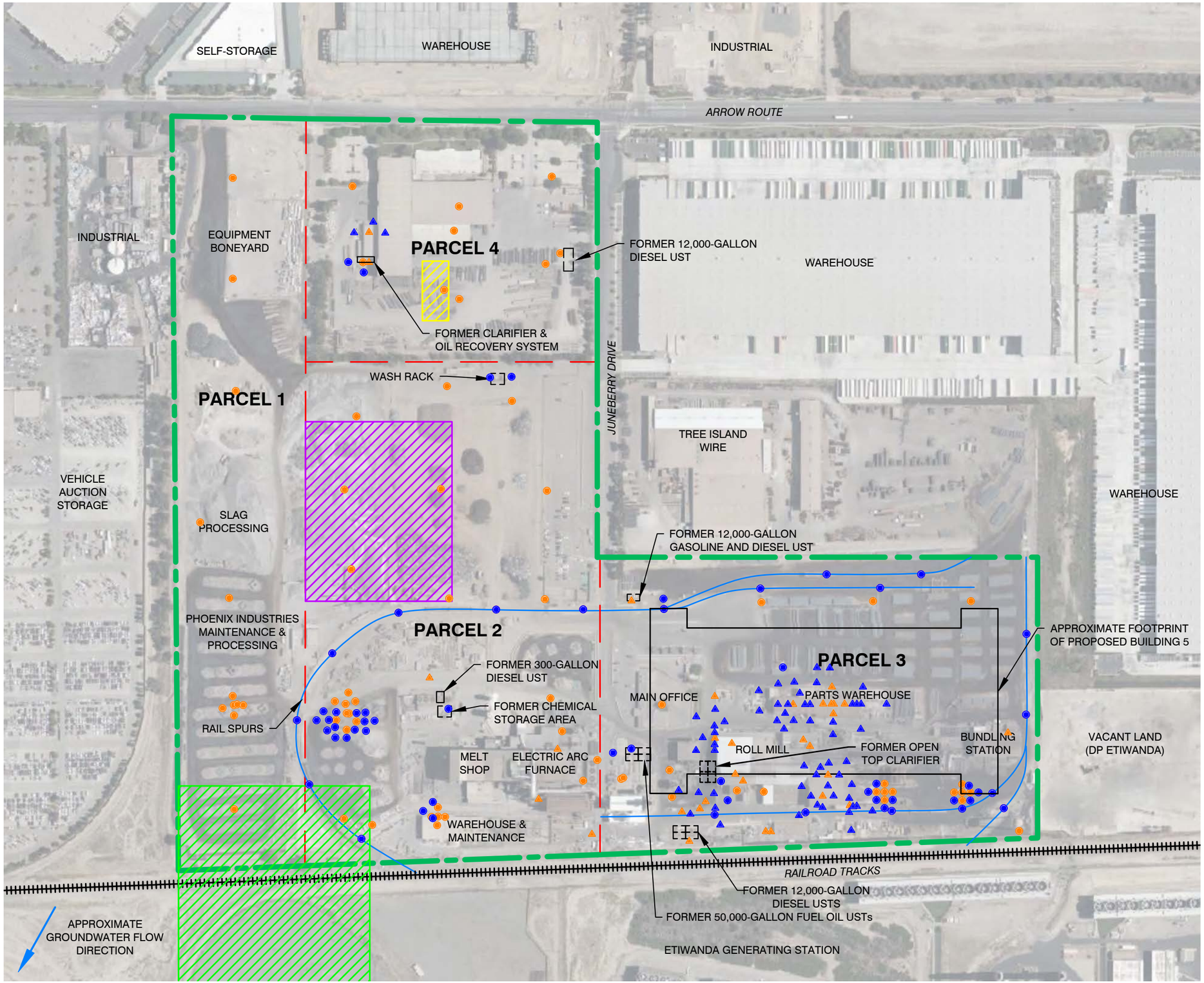
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUG 2023	FIGURE
Prepared by: A.P.	Scale: N.T.S.	3
Project Mgr: P.S.	Project: 3200.0007L	
File: 051_3200.0007L_PROPOSED DEVELOPMENT PLAN.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\051_3200.0007L_PROPOSED DEVELOPMENT PLAN.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL BORING LOCATION
- ROUX BORING LOCATION
- RAMROLL SOIL VAPOR BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SAMPLE LOCATIONS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

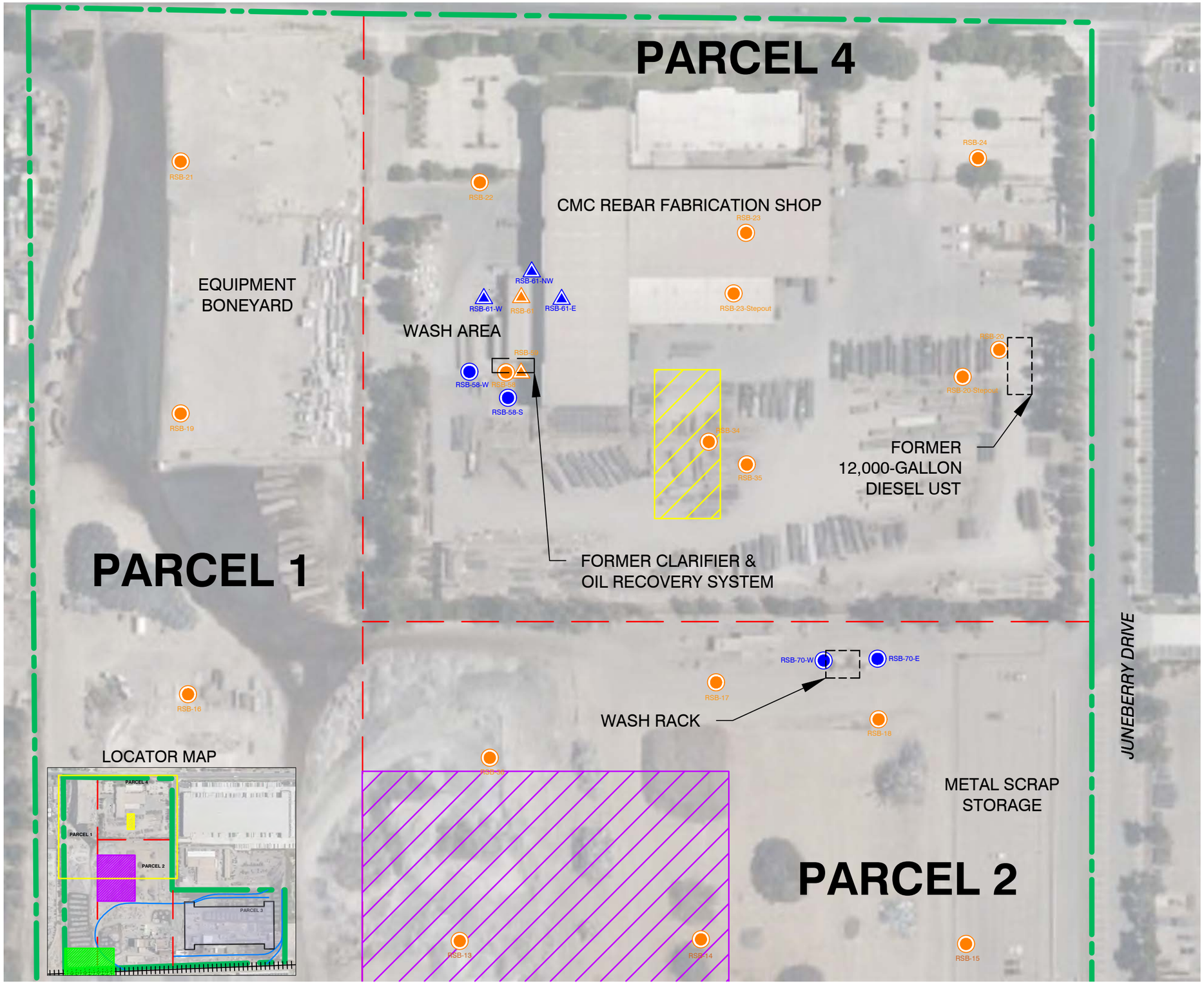
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 7 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	4
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

N

120' 0 120'

Title:

SAMPLE LOCATIONS
NORTHWEST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

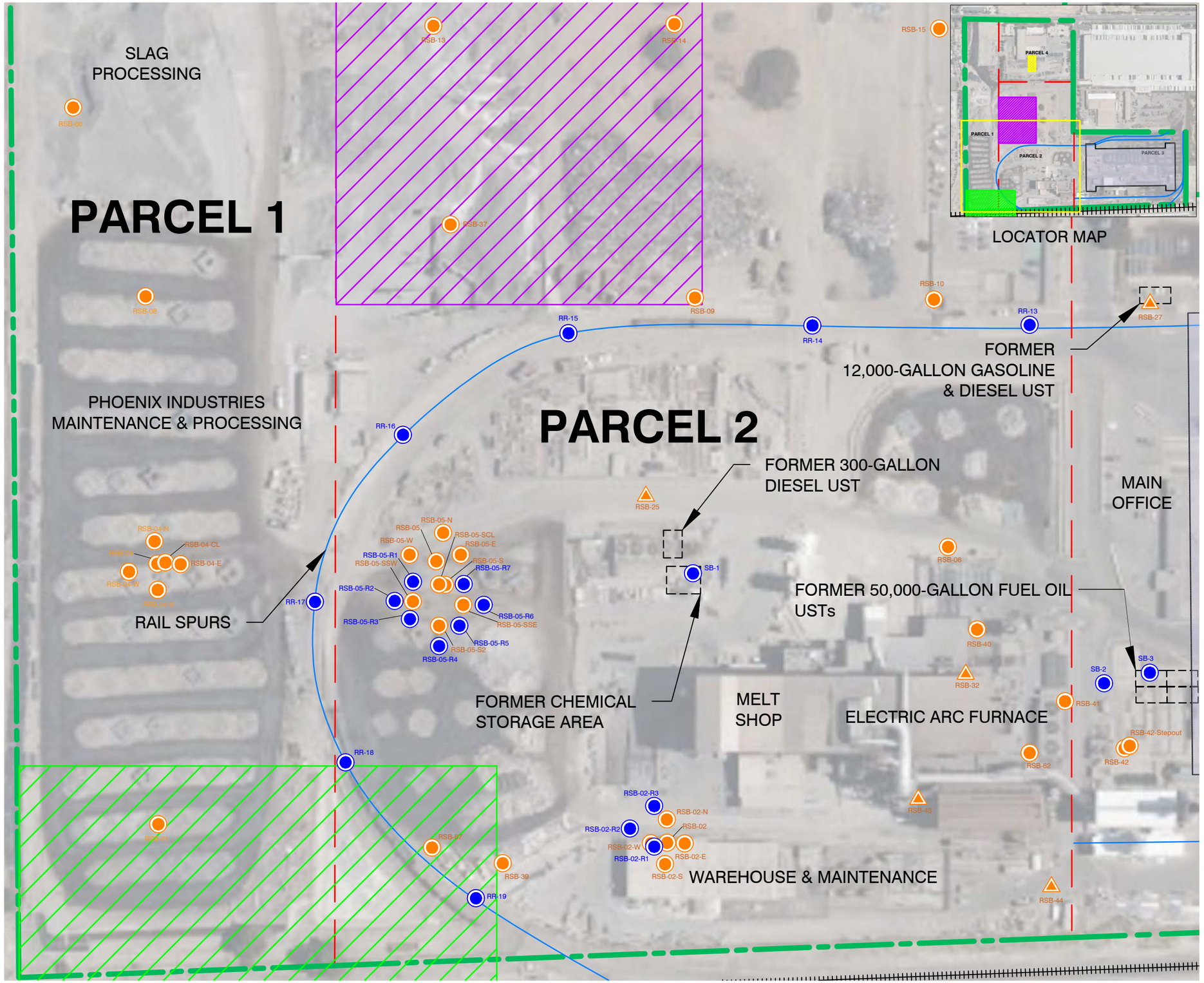
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	5
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 071_3200.0007L_NORTH PARCELS 1 AND 2 SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\071_3200.0007L_NORTH PARCELS 1 AND 2 SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

N

120' 0 120'

Title:

SAMPLE LOCATIONS
SOUTHWEST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

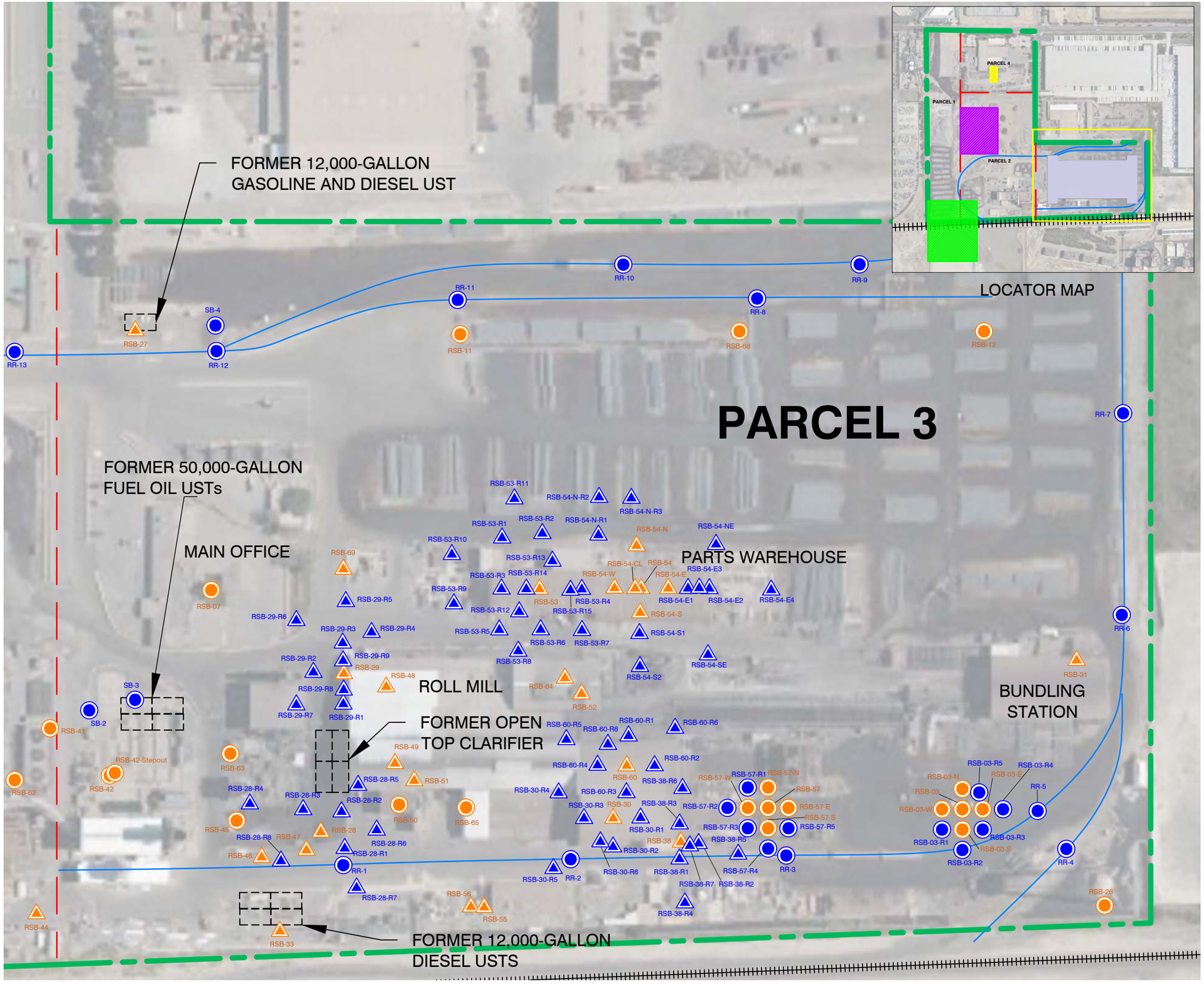
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	6
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 070_3200.0007L_SW SECTION OF SITE SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\070_3200.0007L_SW SECTION OF SITE SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

Title:

SAMPLE LOCATIONS SOUTHEAST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

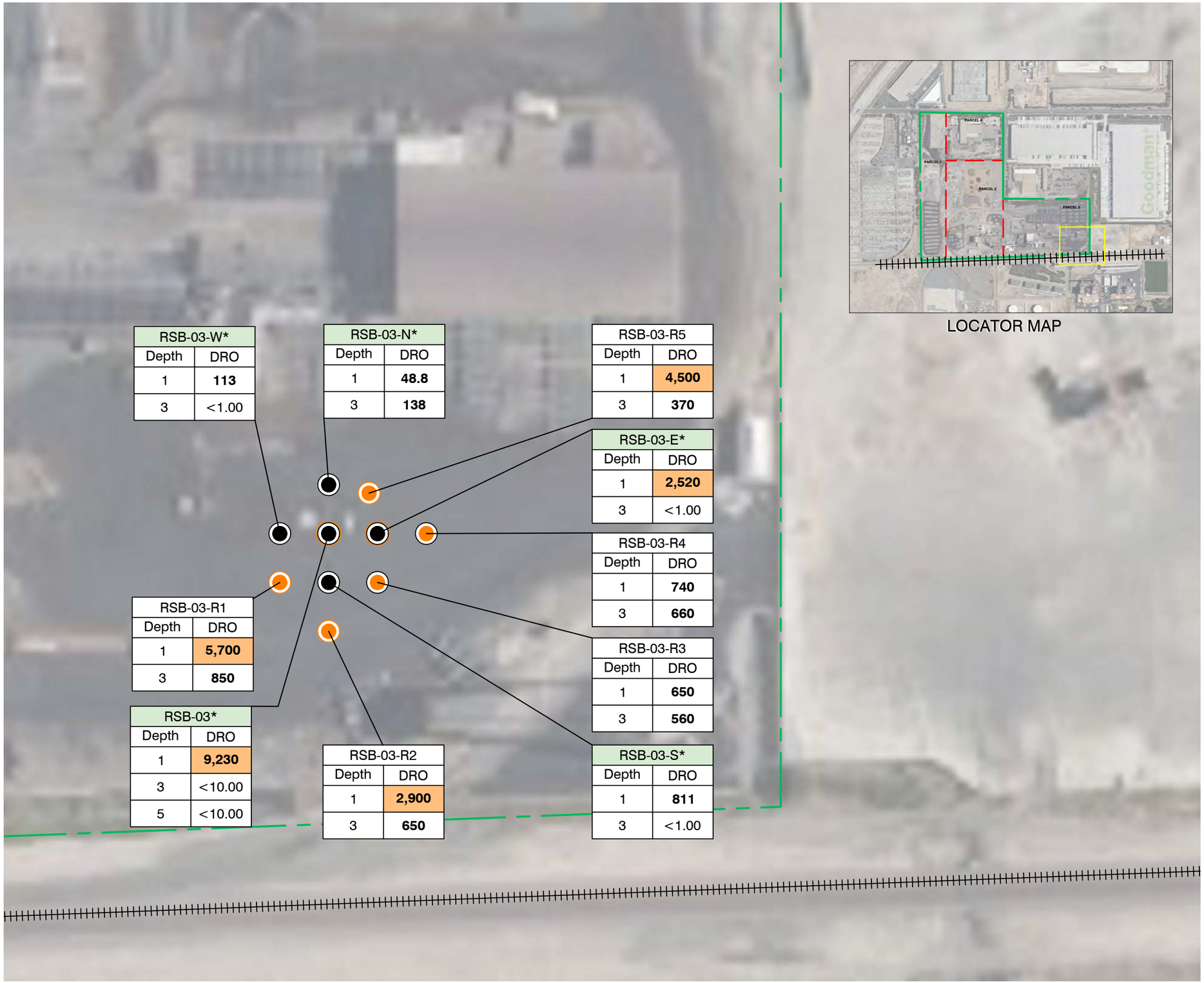
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 7 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	7
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 069_3200.0007L_SE SECTION OF SITE SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\069_3200.0007L_SE SECTION OF SITE SAMPLING LOCATIONS.DWG



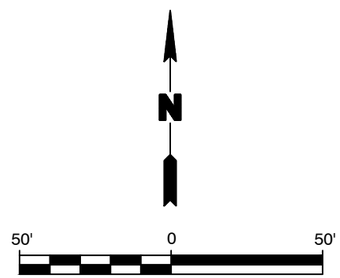
LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- BORING LOCATION (RAMBOLL 2020/2021)
- SHALLOW SOIL BORING (ROUX 2021)
- DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- DRO EXCEEDANCE IN SOIL (ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. GRO = TOTAL PETROLEUM HYDROCARBONS IN THE GASOLINE RANGE
3. TPH = TOTAL PETROLEUM HYDROCARBONS
4. TPH MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
5. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED THE SCREENING LEVELS
6. SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (SFBRWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE (2019) FOR DRO IS 1,200 MG/KG
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LEVEL
8. NA = NOT ANALYZED
9. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
10. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021



Title:

SOUTHERN PORTION OF PARCEL 3 - DRO IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

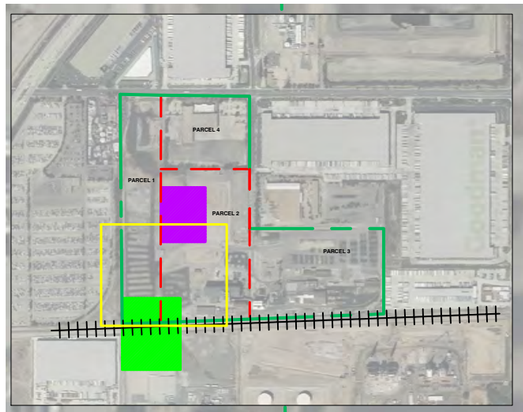
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.MOK	Date: 7 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	8
Project Mgr: P.S.	Project: 3200.0007L	
File: 013_3200.0007L_SOUTHERN PORTION OF PARCEL 3 SOIL BORINGS WITH DRO.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\013_3200.0007L_SOUTHERN PORTION OF PARCEL 3 SOIL BORINGS WITH DRO.DWG



LOCATOR MAP

PARCEL 1

PARCEL 2

RSB-05-SCL*	
Depth	DRO
0.5	<10.00
3	<10.00
5	<10.00
10	<10.00

RSB-05*	
Depth	DRO
1	**2,210**
3	<1.0
5	<1.0

RSB-05-N*	
Depth	DRO
3	<1.00

RSB-05-E*	
Depth	DRO
1	<1.0
3	<1.0

RSB-05-S*	
Depth	DRO
1	**672**
3	**6,000**

RSB-05-R7	
Depth	DRO
1	**52**

RSB-05-R6	
Depth	DRO
1	**3,100**

RSB-05-SSE*	
Depth	DRO
0.5	**1,040**
1	<10
3	<10
5	<10

RSB-05-R5	
Depth	DRO
5	<10

RSB-05-R4	
Depth	DRO
1	**440**

RSB-05-W*	
Depth	DRO
1	<1.0
3	<1.0

RSB-05-R1	
Depth	DRO
1	**2,300**
3	<10

RSB-05-R2	
Depth	DRO
1	**2,200**
3	**20**

RSB-05-SSW*	
Depth	DRO
0.5	**1,800**
3	<10
5	<10
10	<10

RSB-05-R3	
Depth	DRO
1	**1,000**
3	<10

RSB-05-S2*	
Depth	DRO
0.5	**7,590**
3	<10.00
5	<10.00
10	<10.00

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- BORING LOCATION (RAMBOLL 2020/2021)
- SHALLOW SOIL BORING (ROUX 2021)
- DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- DRO EXCEEDANCE IN SOIL (ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
3. TPH = TOTAL PETROLEUM HYDROCARBONS
4. TPH MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
5. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED THE SCREENING LEVEL
6. SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (SFBRWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE (2019) FOR DRO IS 1,200 MG/KG
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LEVEL
8. NA = NOT ANALYZED
9. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
10. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

100' 0 100'

Title:

PARCEL 2 - DRO IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

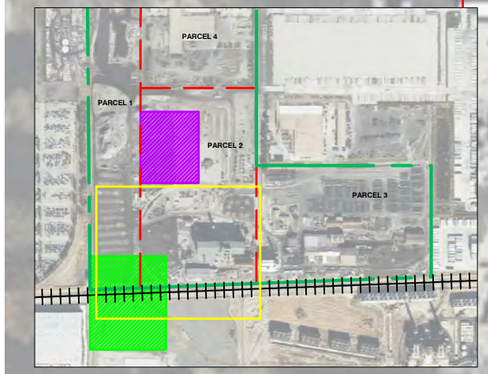
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 7 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	9
Project Mgr: P.S.	Project: 3200.0007L	
File: 014_3200.0007L_PARCEL 2 TPH DATA.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\014_3200.0007L_PARCEL 2 TPH DATA.DWG



LOCATOR MAP

RSB-05-N
RSB-05-SCL
RSB-05-W
RSB-05-E
RSB-05
RSB-05-S
RSB-05-R1
RSB-05-R7
RSB-05-SSW
RSB-05-R2
RSB-05-R8
RSB-05-S2
RSB-05-SSE
RSB-05-R3
RSB-05-R5
RSB-05-R4

RSB-02-R2	
Depth	Lead
1	**120**
3	**1,700**
5	**5.9**

RSB-02-R3	
Depth	Lead
1	**34**
3	**57**

RSB-02-N*	
Depth	Lead
1	**52.4**
3	**51.0**
5	**4.1**

RSB-02*	
Depth	Lead
1	**10.8**
3	**2,910**
5	**3.3**

RSB-43*	
Depth	Cadmium
1	**105**
3	**2.3**
5	**1.7**
10	**0.90**
15	**0.70**

RSB-02-W*	
Depth	Lead
1	**92.4**
3	**2,040**
5	**5.0**

RSB-02-R1	
Depth	Lead
1	**10**
3	**28**

RSB-02-S*	
Depth	Lead
3	**8.3**
5	**3.6**

RSB-02-E*	
Depth	Lead
1	**91.5**
3	**8.3**
5	**3.6**

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RSB-09 — BORING LOCATION (RAMBOLL 2020/2021)
- RSB-02-R2 — SHALLOW SOIL BORING - LEAD ANALYSIS (ROUX 2021)
- RSB-02 — LEAD OR CADMIUM EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- RSB-05-N — BORING LOCATION (RAMBOLL 2020/2021)
- RSB-05-R3 — SHALLOW SOIL BORING (ROUX 2021)
- RSB-05 — TPH-d EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- RSB-05-R1 — TPH-d EXCEEDANCE IN SOIL (ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. LEAD AND CADMIUM MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
3. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 500 MG/KG, FOR CADMIUM IS 79 MG/KG
5. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 800 MG/KG, FOR CADMIUM IS 100 MG/KG
3. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
4. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

100' 0 100'

Title:

PARCEL 2 - LEAD AND CADMIUM IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

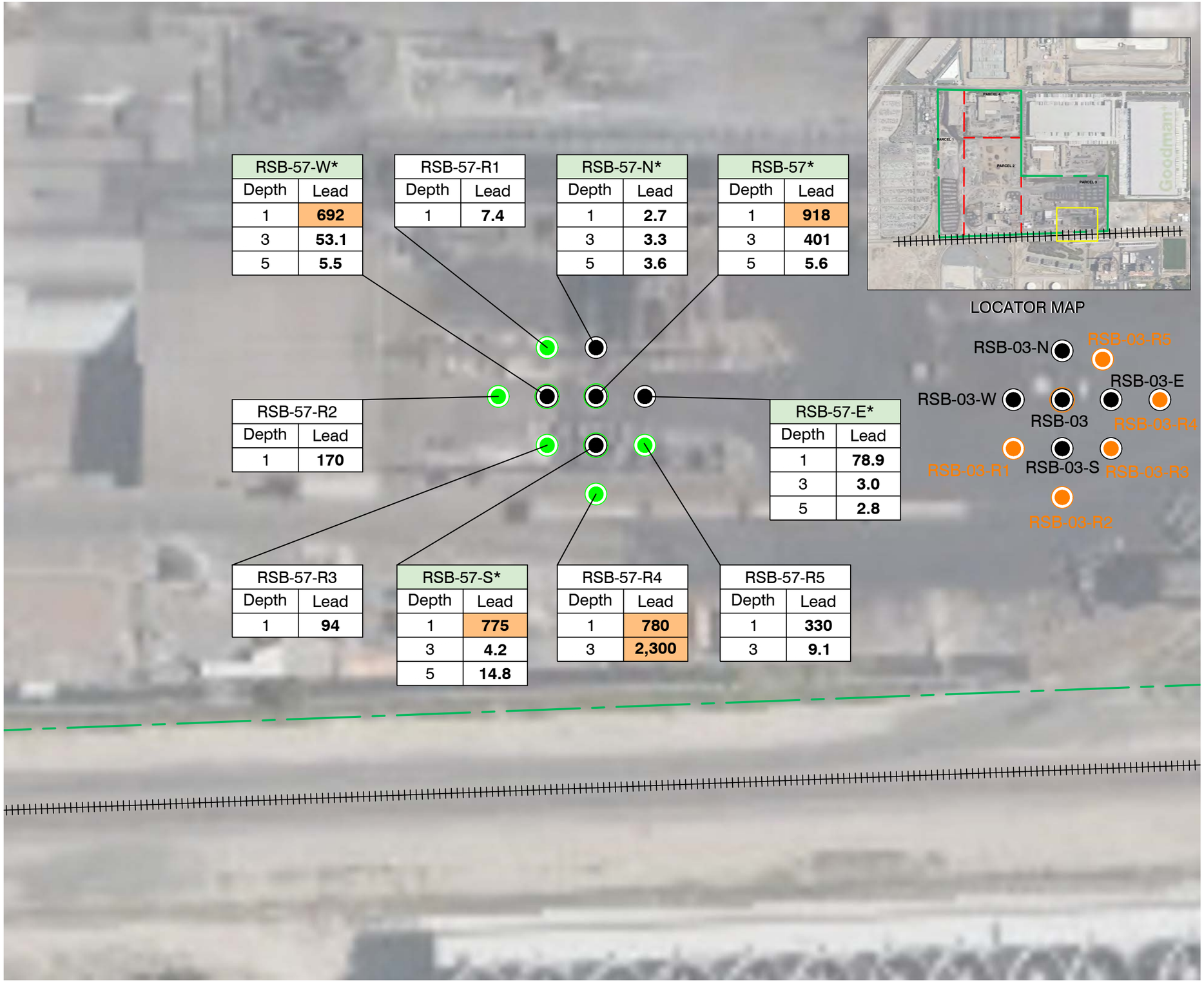
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 6 JULY 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	10
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 015_3200.0007L_PARCEL 2 LEAD DATA_RECOVER.DWG		

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RSB-57-W*	
Depth	Lead
1	**692**
3	**53.1**
5	**5.5**

RSB-57-R1	
Depth	Lead
1	**7.4**

RSB-57-N*	
Depth	Lead
1	**2.7**
3	**3.3**
5	**3.6**

RSB-57*	
Depth	Lead
1	**918**
3	**401**
5	**5.6**

RSB-57-R2	
Depth	Lead
1	**170**

RSB-57-E*	
Depth	Lead
1	**78.9**
3	**3.0**
5	**2.8**

RSB-57-R3	
Depth	Lead
1	**94**

RSB-57-S*	
Depth	Lead
1	**775**
3	**4.2**
5	**14.8**

RSB-57-R4	
Depth	Lead
1	**780**
3	**2,300**

RSB-57-R5	
Depth	Lead
1	**330**
3	**9.1**

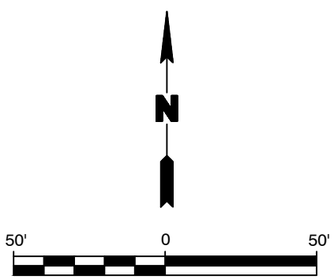
LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- BORING LOCATION (RAMBOLL 2020/2021)
- SHALLOW SOIL BORING (ROUX 2021)
- LEAD EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- BORING LOCATION (RAMBOLL 2020/2021)
- SHALLOW SOIL BORING (ROUX 2021)
- DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- DRO EXCEEDANCE IN SOIL (ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
3. LEAD MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
4. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 500 MG/KG
6. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 800 MG/KG
3. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
4. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021



Title:

SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

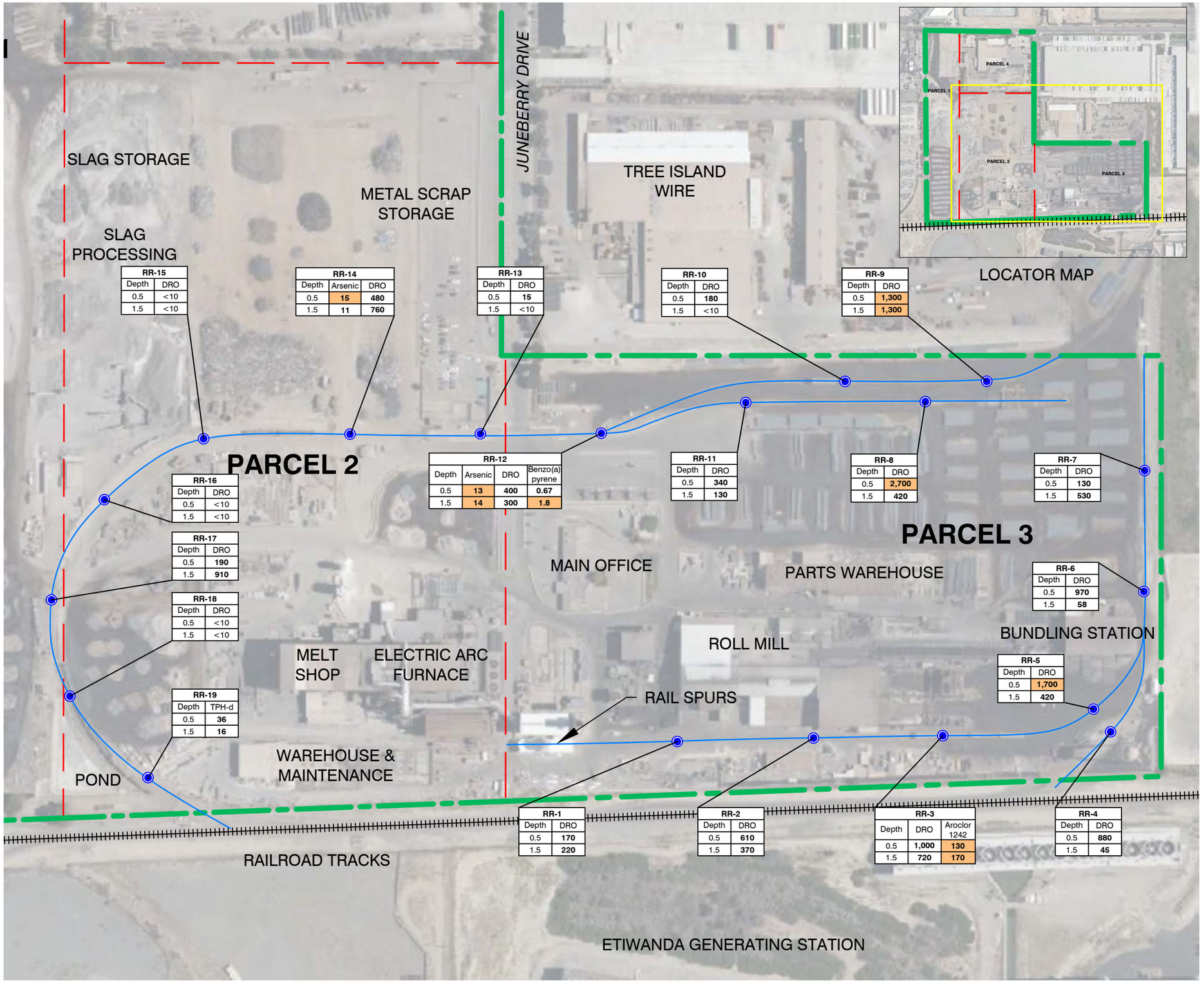
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 7 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	11
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 012_3200.0007L_SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\012_3200.0007L_SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL.DWG



RR-15	
Depth	DRO
0.5	<10
1.5	<10

RR-14		
Depth	Arsenic	DRO
0.5	15	480
1.5	11	760

RR-13	
Depth	DRO
0.5	15
1.5	<10

RR-10	
Depth	DRO
0.5	180
1.5	<10

RR-9	
Depth	DRO
0.5	1,300
1.5	1,300

RR-16	
Depth	DRO
0.5	<10
1.5	<10

RR-17	
Depth	DRO
0.5	190
1.5	910

RR-18	
Depth	DRO
0.5	<10
1.5	<10

RR-19	
Depth	TPH-d
0.5	36
1.5	16

RR-12			
Depth	Arsenic	DRO	Benzo(a) pyrene
0.5	13	400	0.67
1.5	14	300	1.8

RR-11	
Depth	DRO
0.5	340
1.5	130

RR-8	
Depth	DRO
0.5	2,700
1.5	420

RR-7	
Depth	DRO
0.5	130
1.5	530

RR-6	
Depth	DRO
0.5	970
1.5	58

RR-5	
Depth	DRO
0.5	1,700
1.5	420

RR-1	
Depth	DRO
0.5	170
1.5	220

RR-2	
Depth	DRO
0.5	610
1.5	370

RR-3		
Depth	DRO	Aroclor 1242
0.5	1,000	130
1.5	720	170

RR-4	
Depth	DRO
0.5	880
1.5	45

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARIES
- RAIL SPURS
- RR-1 RAIL SPUR SOIL SAMPLE LOCATIONS (ROUX, 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
3. CONCENTRATIONS ARE IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
4. ORANGE HIGHLIGHT INDICATE RESULTS EXCEED SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES (DTSC) HUMAN AND ECOLOGICAL RISK OFFICE (HERO) HUMAN HEALTH RISK ASSESSMENT (HHRA) NOTE 3 INDUSTRIAL SCREENING LEVEL FOR BENZO(A)PYRENE IS 1.3 MG/KG, FOR AROCLOR-1242 IS 0.58 MG/KG
6. CALIFORNIA UPPER CONFIDENCE LIMIT AND BACKGROUND CONCENTRATION OF ARSENIC IN SOIL IS 12 MG/KG
7. SAN FRANCISCO REGIONAL WATER QUALITY CONTROL BOARD (SFRWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE (2019) FOR DRO IS 1200 MG/KG
8. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

N

200' 0 200'

Title:

RAIL SPURS PARCELS 2 AND 3 EXCEEDANCES IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

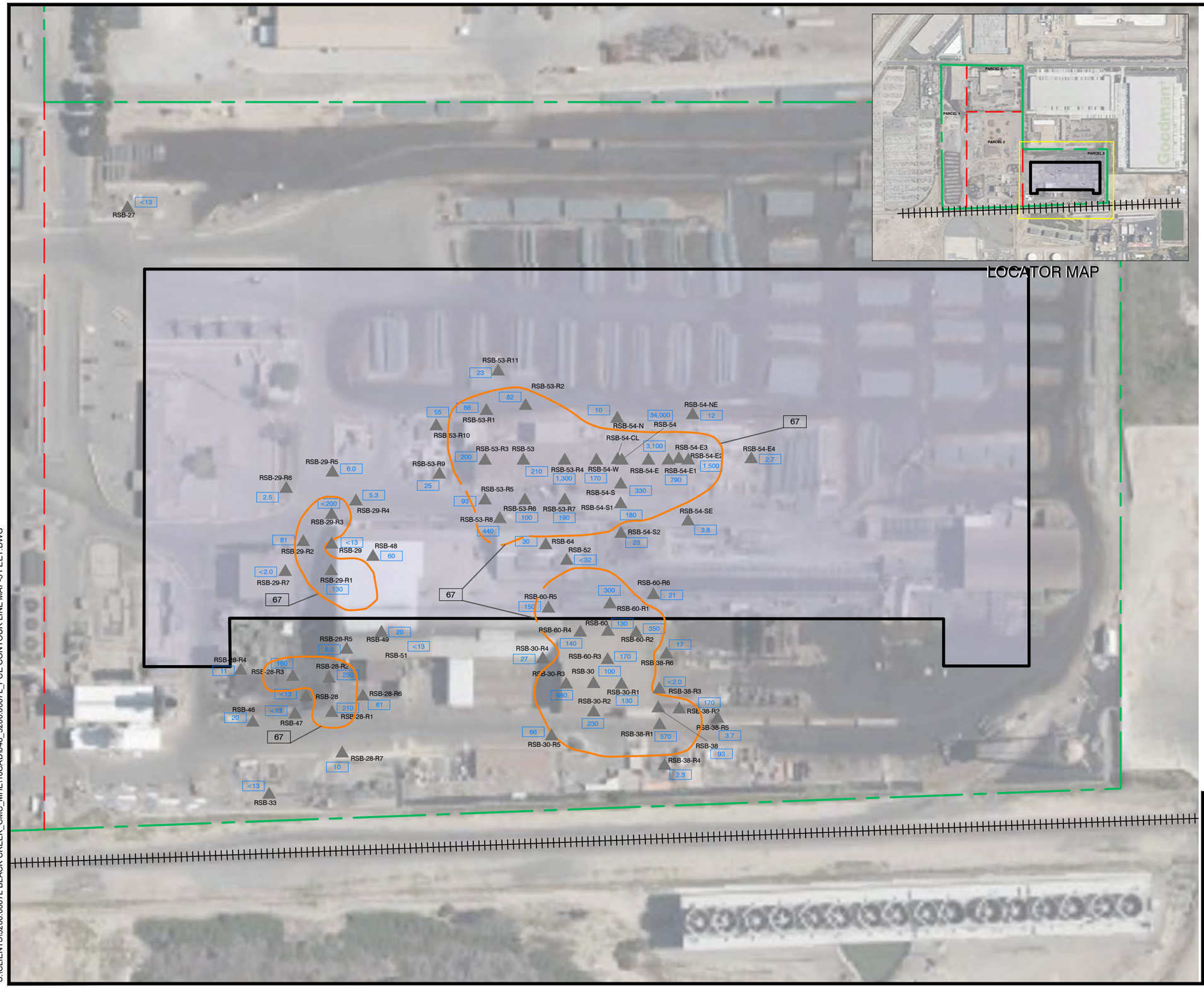
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 7 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	12
Project Mgr: P.S.	Project: 3200.0007L	
File: 074_3200.0007L_RAIL SPUR WITH LEAD AND TPH.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\074_3200.0007L_RAIL SPUR WITH LEAD AND TPH.DWG



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 5 FEET BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2020/2021)
- INTERPRETED PCE DTSC SL CONTOUR LINE - 5 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR FOR PCE IS 67 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
PCE ISO-CONTOURS
5 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

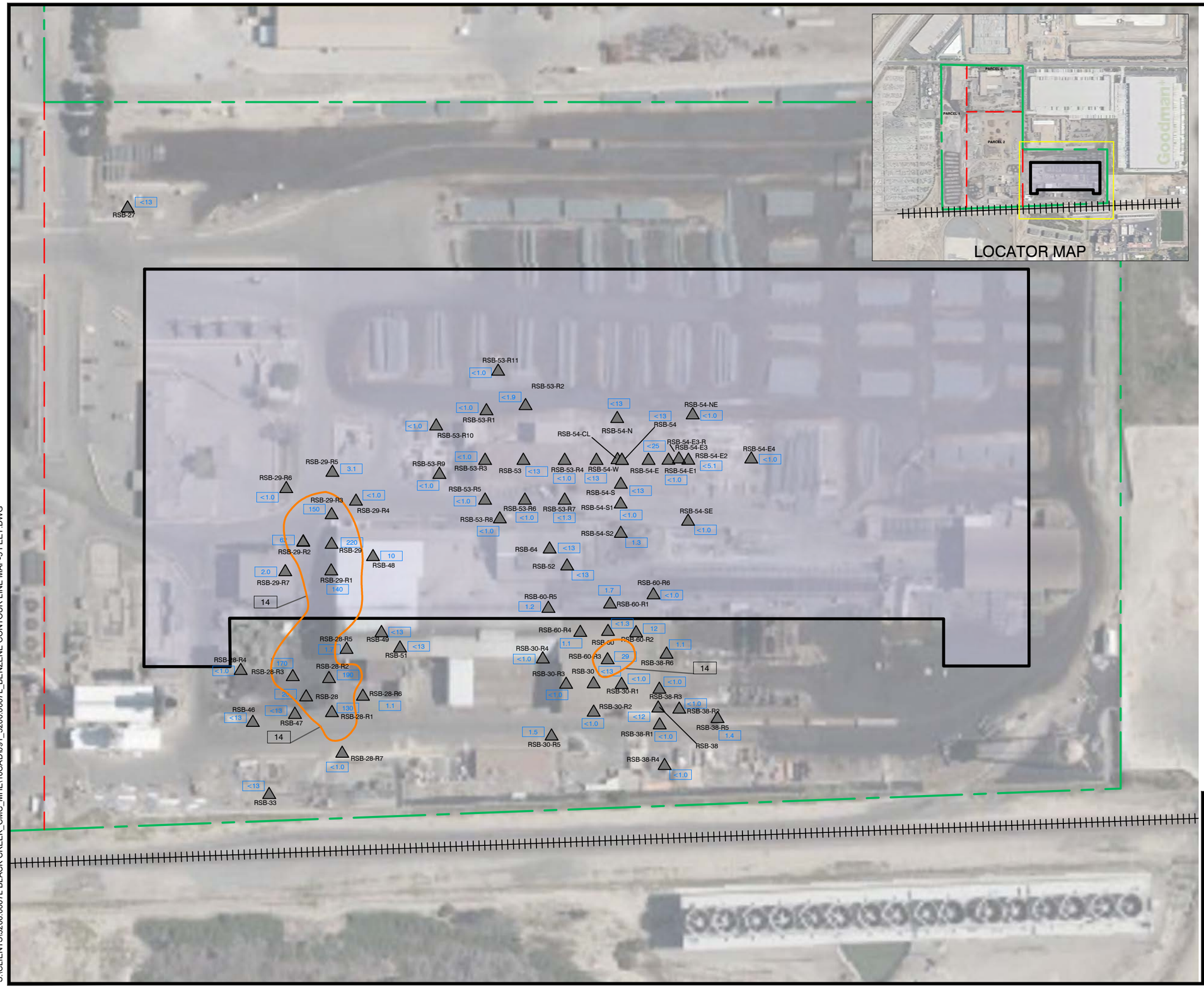
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: 1" = 120'	13
Project Mgr: P.S.	Project: 3200.0007L	
File: 048_3200.0007L_PCE CONTOUR LINE MAP-5 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\048_3200.0007L_PCE CONTOUR LINE MAP-5 FEET.DWG



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — BENZENE CONCENTRATION AT 5 FEET BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED BENZENE DTSC SL CONTOUR LINE - 5 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. BENZENE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
BENZENE ISO-CONTOURS
5 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

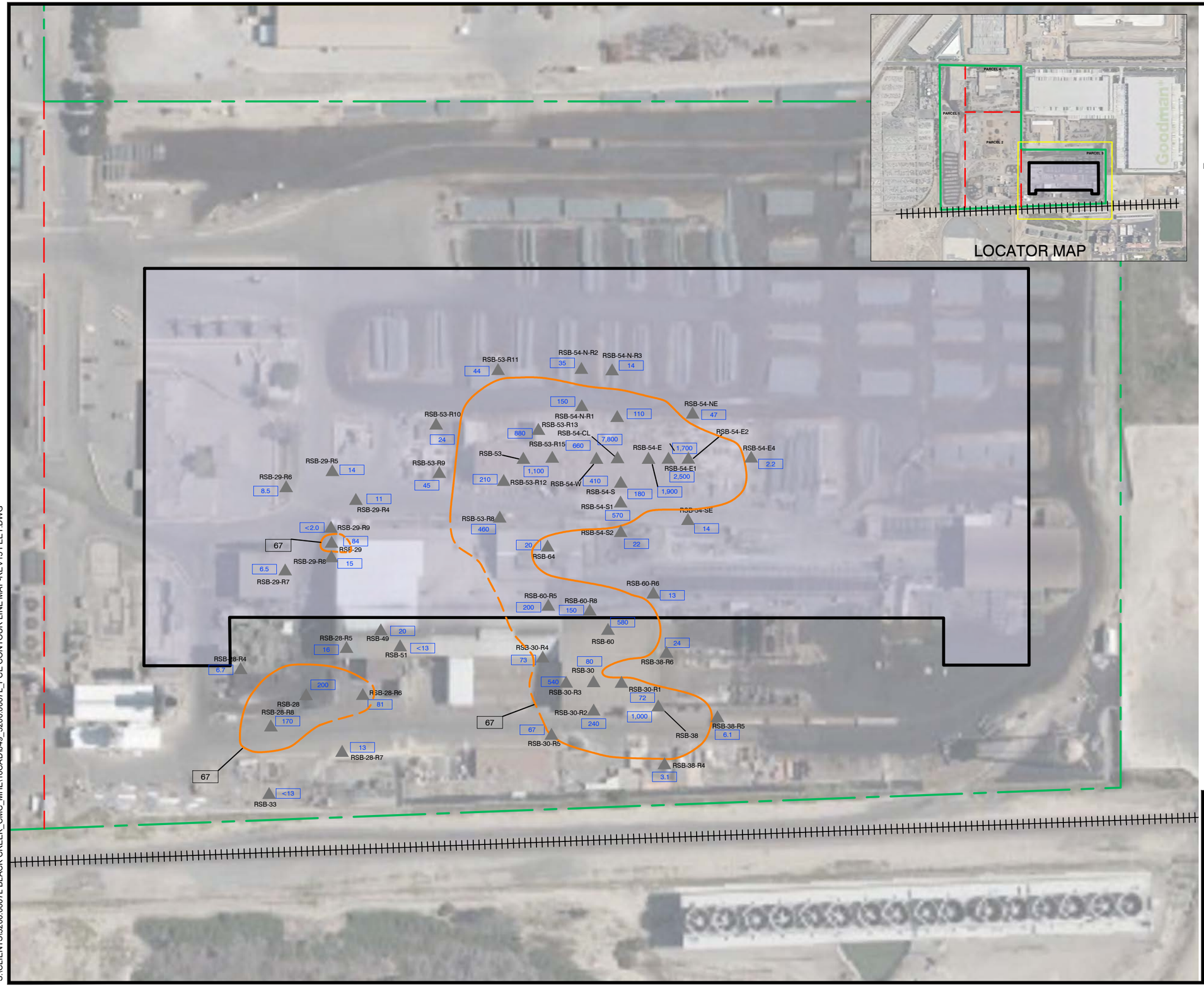
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 SEPT 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	14
Project Mgr: P.S.	Project: 3200.0007L	
File: 091_3200.0007L_BENZENE CONTOUR LINE MAP-5 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\091_3200.0007L_BENZENE CONTOUR LINE MAP-5 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED PCE DTSC SL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOETHENE
3. PCE CONCENTRATION MEASURED IN MICROGRAMS PER CUBIC METER (UG/M3)
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR PCE IS 67 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
PCE ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

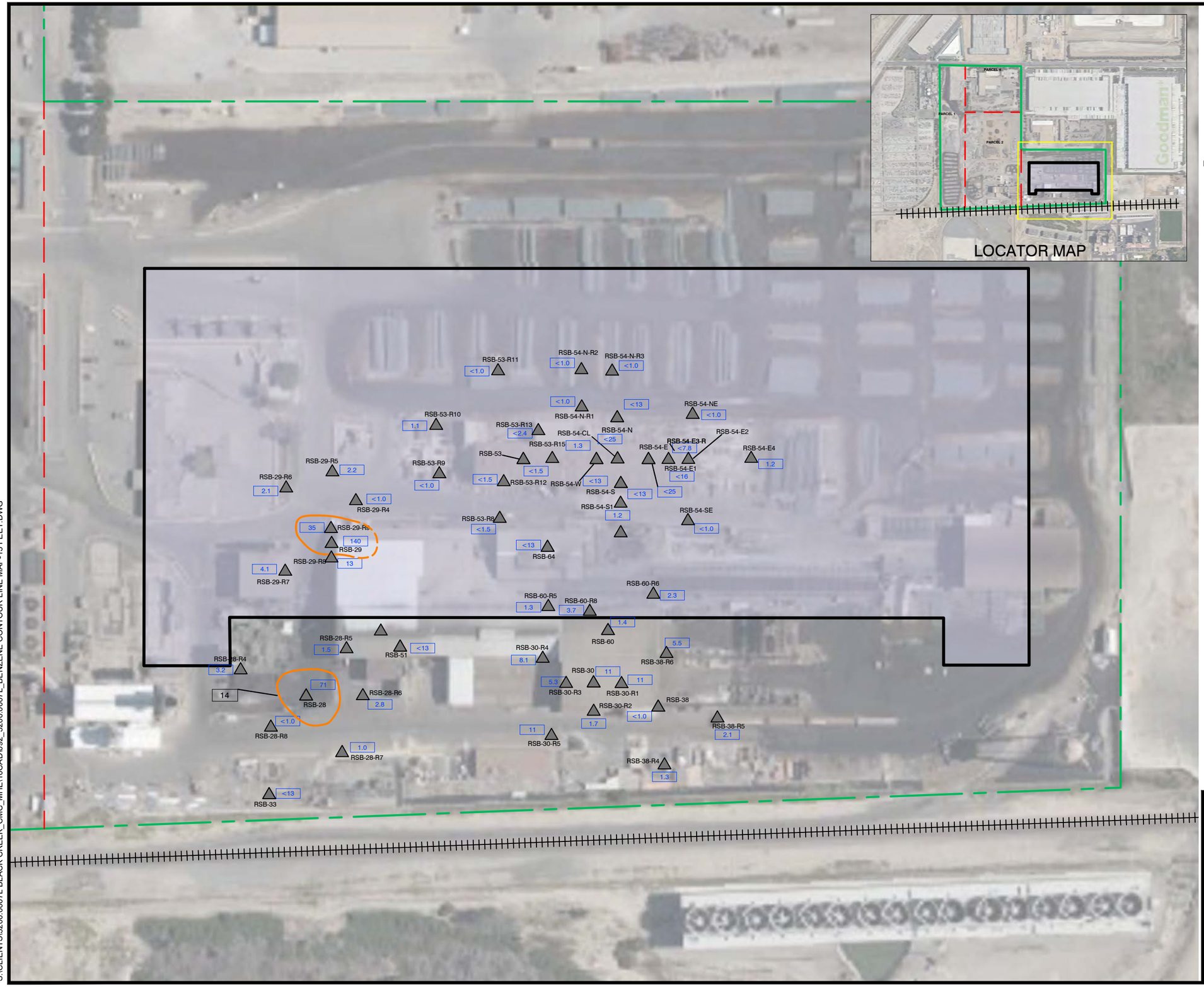
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: 1" = 120'	15
Project Mgr: P.S.	Project: 3200.0007L	
File: 049_3200.0007L_PCE CONTOUR LINE MAP-REV15 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\049_3200.0007L_PCE CONTOUR LINE MAP-REV15 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — BENZENE CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED BENZENE SL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. BENZENE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
BENZENE ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

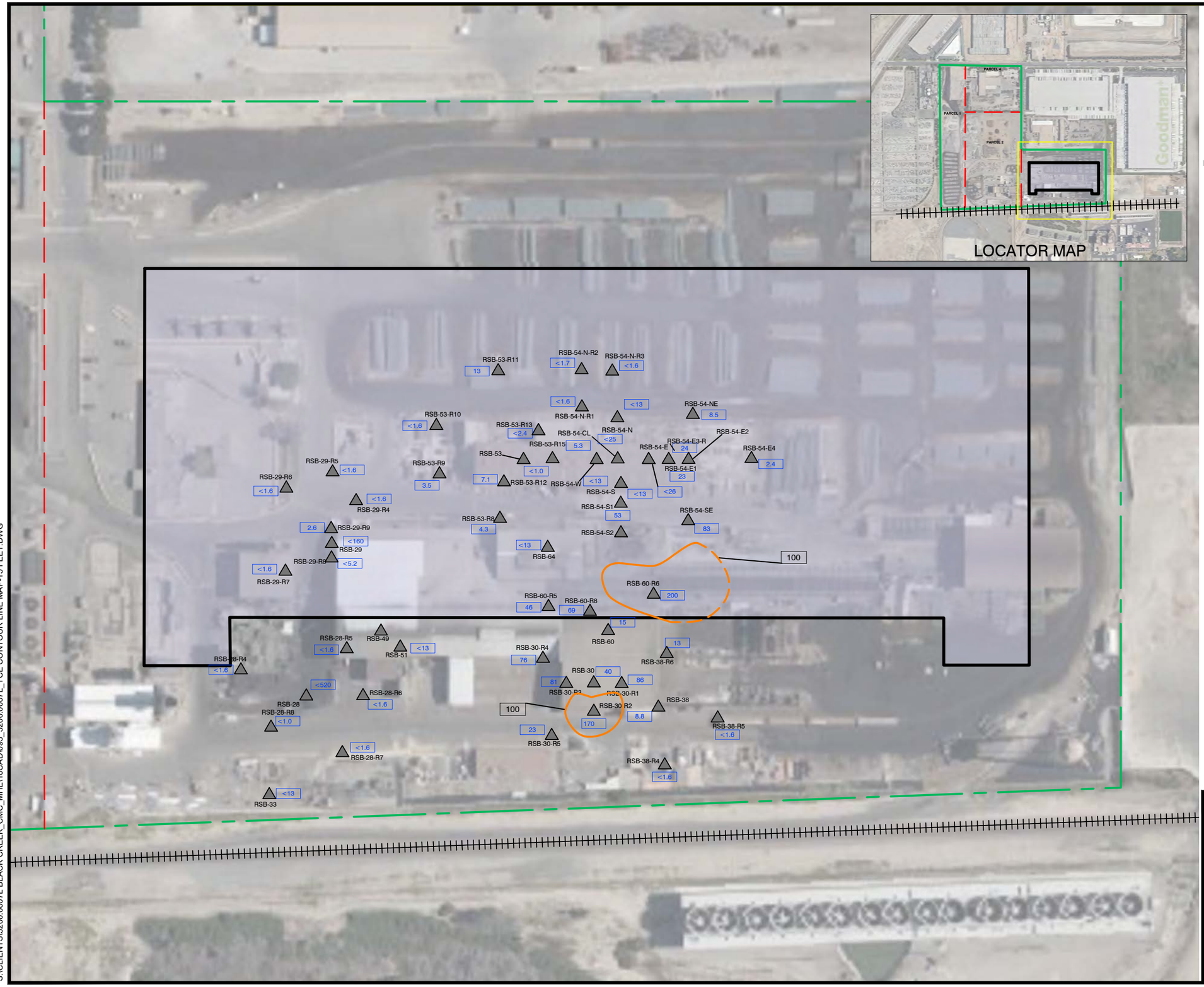
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	16
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 092_3200.0007L_BENZENE CONTOUR LINE MAP-15 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\092_3200.0007L_BENZENE CONTOUR LINE MAP-15 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — TCE CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED TCE USEPA RSL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. TCE = TRICHLOROETHENE
3. TCE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR TCE IS 100 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
TCE ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

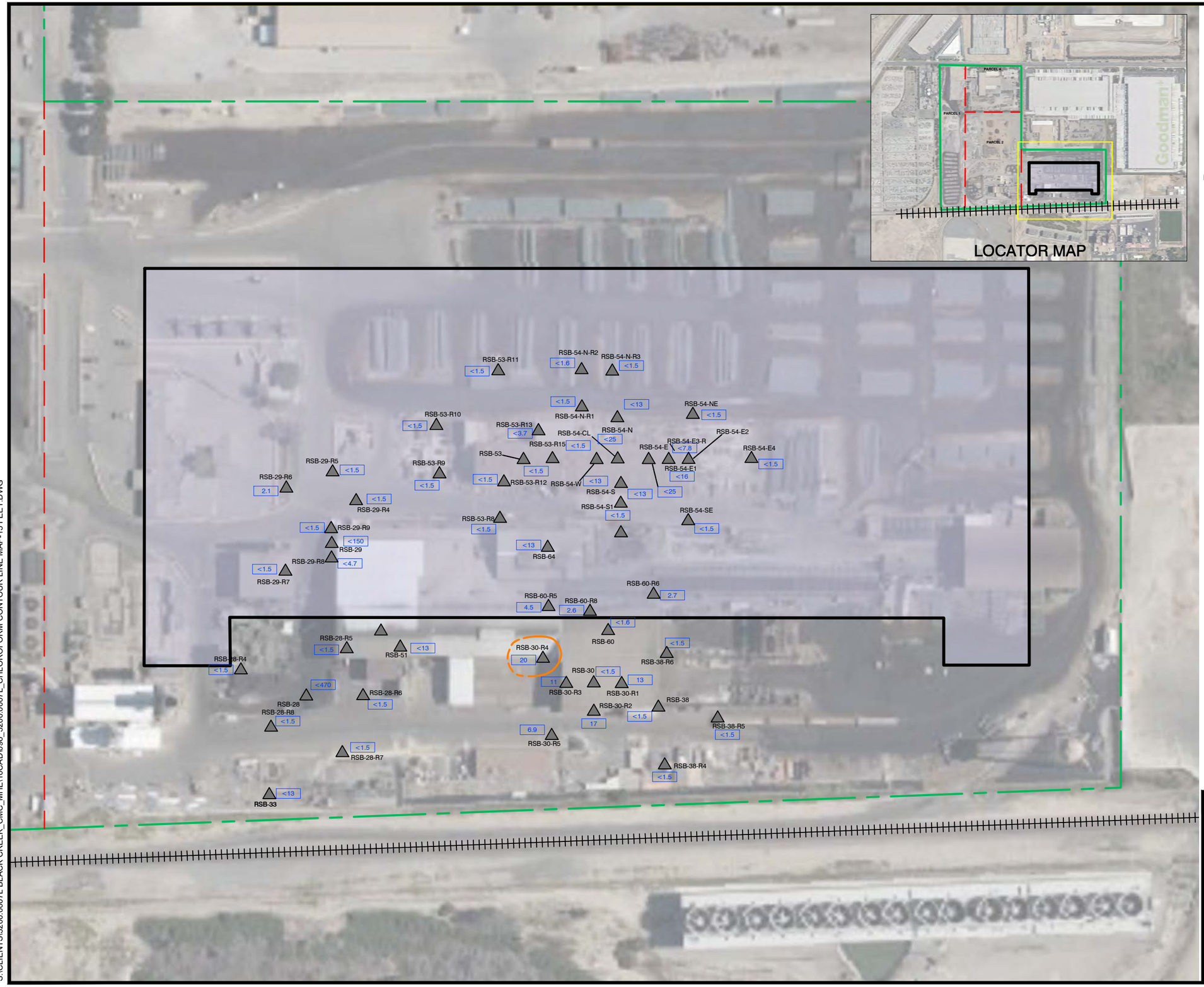
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	17
Project Mgr: P.S.	Project: 3200.0007L	
File: 093_3200.0007L_TCE CONTOUR LINE MAP-15 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\093_3200.0007L_TCE CONTOUR LINE MAP-15 FEET.DWG



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — CHLOROFORM CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED CHLOROFORM USEPA RSL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. CHLOROFORM CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR CHLOROFORM IS 18 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
CHLOROFORM ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

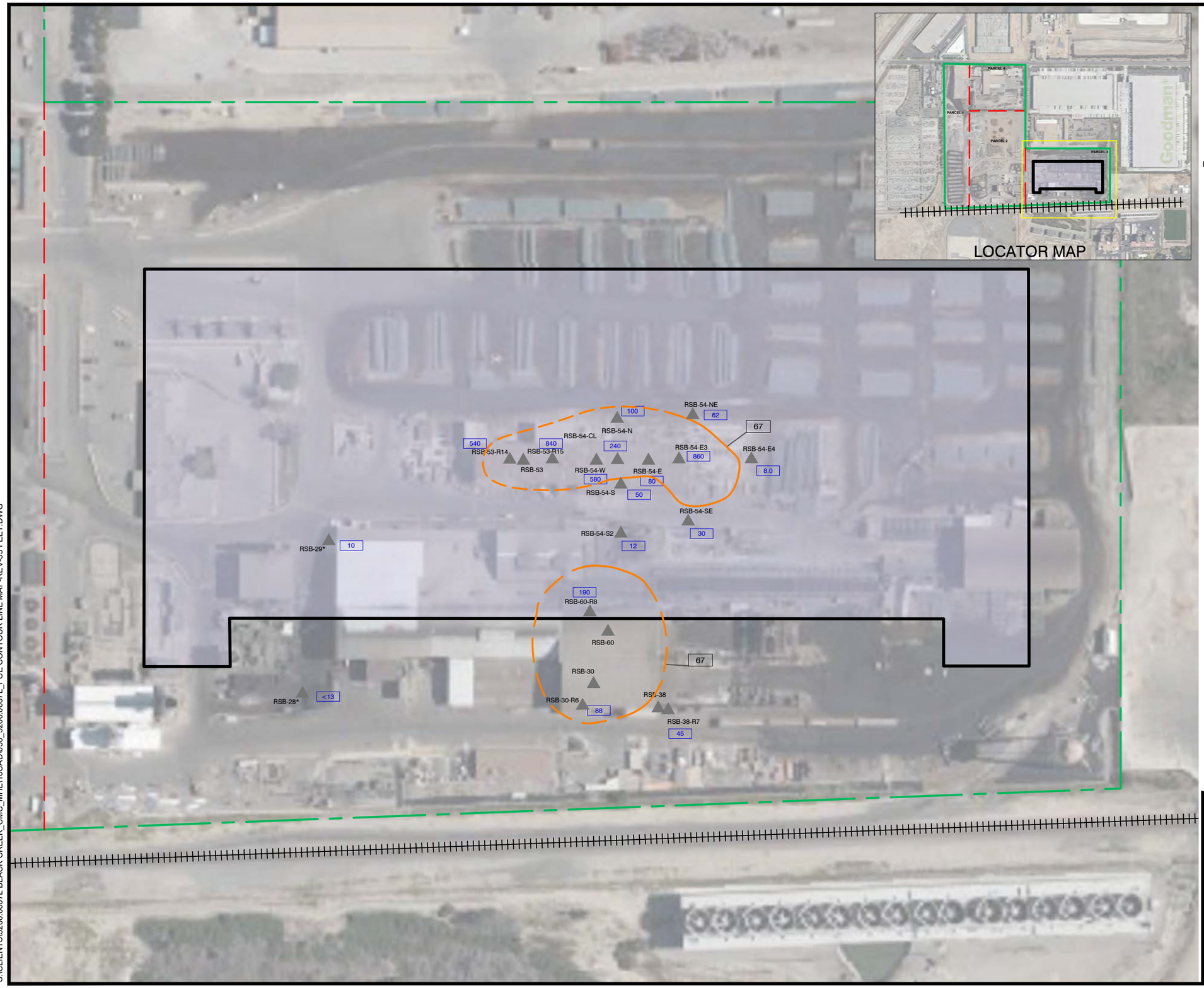
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	18
Project Mgr: P.S.	Project: 3200.0007L	
File: 096_3200.0007L_CHLOROFORM CONTOUR LINE MAP-15 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\096_3200.0007L_CHLOROFORM CONTOUR LINE MAP-15 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 30, 35 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED PCE DTSC SL CONTOUR LINE - 35 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE CONCENTRATION IS IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR FOR PCE IS 67 UG/M^3
5. * = BORING AT 30 FEET BGS

N

120' 0 120'

Title:

PARCEL 3
PCE ISO-CONTOURS
35 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

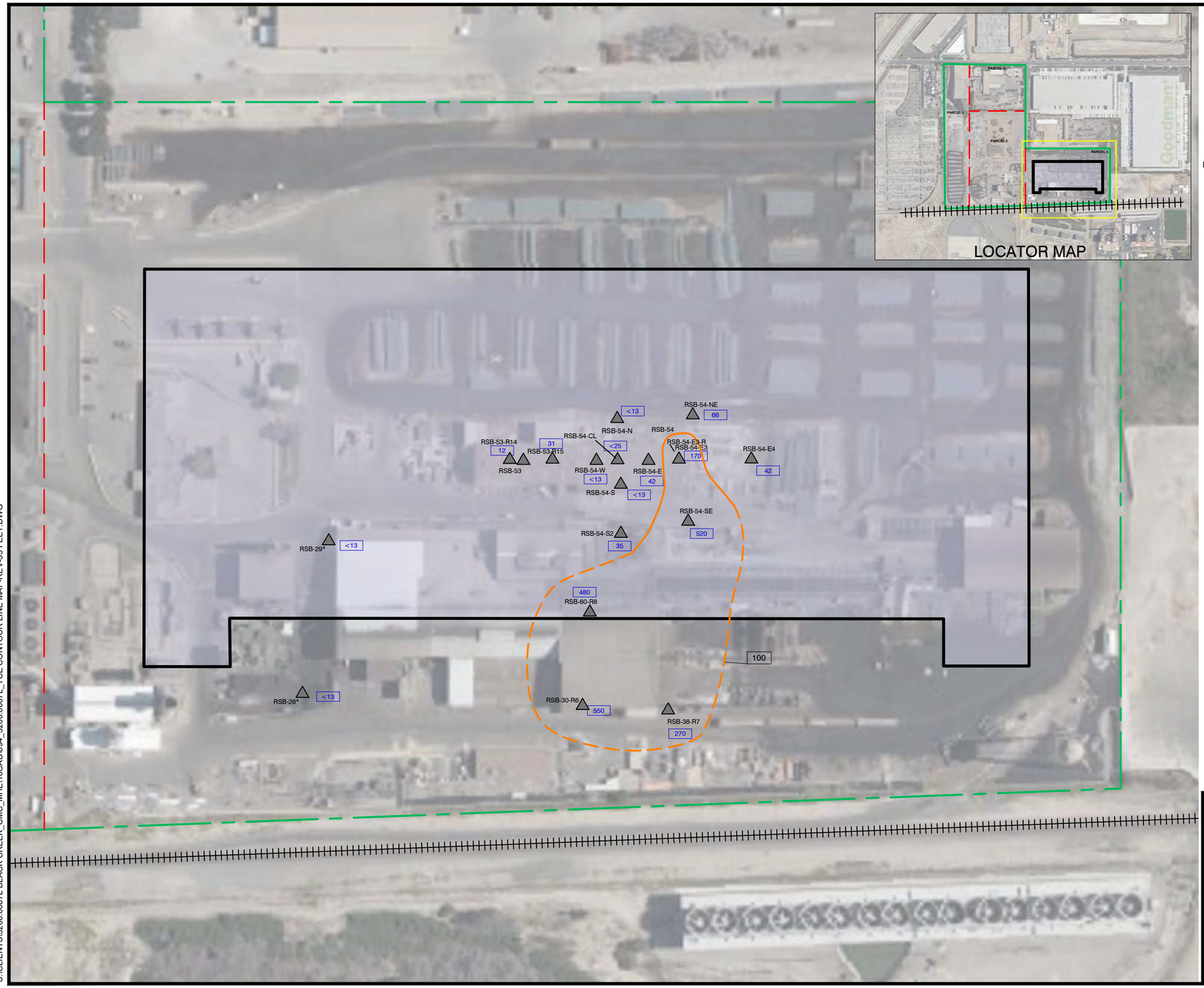
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 8 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: 1" = 120'	19
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 050_3200.0007L_PCE CONTOUR LINE MAP-REV-35 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\050_3200.0007L_PCE CONTOUR LINE MAP-REV-35 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — TCE CONCENTRATION AT 30*, 35 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED TCE USEPA RSL CONTOUR LINE - 35 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. TCE = TRICHLOROETHENE
3. TCE CONCENTRATION IS IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR TCE IS 100 UG/M^3
5. * = BORING AT 30 FEET BGS

N

120' 0 120'

Title:

PARCEL 3
TCE ISO-CONTOURS
35 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

	Compiled by: A.F.	Date: 10 AUGUST 2023	FIGURE
	Prepared by: M.B.	Scale: 1" = 120'	20
	Project Mgr: P.S.	Project: 3200.0007L	
	File: 094_3200.0007L_TCE CONTOUR LINE MAP-REV-35 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\094_3200.0007L_TCE CONTOUR LINE MAP-REV-35 FEET.DWG

05/02/2007

STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of: Tamco, a California Corporation, Doing Business As Tamco and as Tamco Steel, Inc. 12459-B Arrow Highway Rancho Cucamonga, California 91739 (San Bernardino County) ID No. CAD982361404 Respondent.	Docket No. HWCA 2005 0964 CONSENT ORDER Health and Safety Code Section 25187

The State Department of Toxic Substances Control (Department) and Tamco, a California Corporation Doing Business As (DBA) in California as Tamco Steel, Inc., (Respondent) enter into this Consent Order and agree as follows:

1. Respondent is a generator (California Code of Regulations, title 22, section 66260.10) of hazardous waste at the Tamco facility at 12459-B Arrow Highway, Rancho Cucamonga, California 91739 (Site). Respondent receives large quantities of metal scraps, including shavings and turnings, for smelting to produce reinforcing metal bars, and has stored them in piles without lateral or overhead containment. Respondent handles and stores scrap materials containing lead, chromium, copper, nickel and zinc in these scrap piles.

2. The Department inspected the Site on January 20, 2005.

3. Respondent violated California Code of Regulations, title 22, section 66262.34, by violating California Code of Regulations, title 22, section 66265.31, in

that on or about January 20, 2005, Respondent failed to maintain and operate its facility in a manner to minimize the possibility of any unplanned sudden or non-sudden release of hazardous constituents to air, soil, or surface water which could threaten human health or the environment, and once released, may fail hazardous waste classification levels for selected heavy metals. Specifically, Respondent allowed release(s) of residual fine powder (dry, solid form having particle size smaller than 100 micrometer in diameter), containing levels of lead, chromium, copper, nickel and zinc to adjacent soil(s) that exceeded Total Threshold Level Concentrations as provided in 22 CCR 66261.24.

4. During the Spring of 2006, TAMCO completed the sampling, removal and proper disposal of impacted soils. In addition, TAMCO instituted controls to prevent contamination of soils in the future by paving the area to the north and south of the scrap metal piles and it installed barriers (k-rails) to help segregate the scrap metal piles. TAMCO also constructed a storm water collection and treatment system to keep potential contaminants from leaving the pavement and impacting surface waters.

5. The parties wish to avoid the expense of litigation and to ensure prompt compliance.

6. Jurisdiction exists pursuant to Health and Safety Code section 25187.

7. Respondent waives any right to a hearing in this matter.

8. This Consent Order shall constitute full settlement of the violation alleged above, but does not limit the Department from taking appropriate enforcement action concerning other violations.

SCHEDULE FOR COMPLIANCE

9. Respondent shall comply with the following terms and conditions:

9.1 Respondent shall minimize the dispersion of any hazardous materials to the environment. Such measures shall include wind breaks or barriers to prevent wind dispersal of residuals at the Site that contain fine powder (dry, solid form having particle size smaller than 100 micrometer in diameter, which contain lead, chromium, copper, nickel and zinc), routine removal of residuals from the scrap metal pile areas of the Site, track-out controls to prevent trucks that enter and leave the Site from spreading residuals to public streets, and additional mitigation measures when wind gusts exceed 25 mph. Respondent shall comply with the South Coast Air Quality Management District's fugitive dust control requirements (Rule 303) at all times.

9.2 The Respondent shall immediately notify the Department verbally, and within five (5) calendar days in writing, when any hazardous material is released to the environment as a result of any activity at the Site.

9.3. Submittals: All submittals from Respondent pursuant to this Consent Order shall be sent simultaneously to:

Florence Gharibian, Chief
Glendale Branch of Statewide Compliance Division
Department of Toxic Substances Control
1011 North Grandview Avenue
Glendale, California 91201

9.4. Communications: All approvals and decisions of the Department made regarding such submittals and notifications shall be communicated to Respondent in writing by a Branch Chief, Department of Toxic Substances Control, or his/her

designee. No informal advice, guidance, suggestions, or comments by the Department regarding reports, plans, specifications, schedules, or any other writings by Respondent shall be construed to relieve Respondent of its obligation to obtain such formal approvals as may be required.

9.5. Department Review and Approval: If the Department determines that any report, plan, schedule, or other document submitted for approval pursuant to this Consent Order fails to comply with the Order or fails to protect public health or safety or the environment, the Department may return the document to Respondent with recommended changes and a date by which Respondent must submit to the Department a revised document incorporating the recommended changes.

9.6. Compliance with Applicable Laws: Respondent shall carry out this Order in compliance with all local, State, and federal requirements, including but not limited to requirements to obtain permits and to assure worker safety.

9.7. Endangerment during Implementation: In the event that the Department determines that any circumstances or activity (whether or not pursued in compliance with this Consent Order) are creating an imminent or substantial endangerment to the health or welfare of people on the site or in the surrounding area or to the environment, the Department may order Respondent to stop further implementation for such period of time as needed to abate the endangerment. Any deadline in this Consent Order directly affected by a Stop Work Order under this section shall be extended for the term of such Stop Work Order.

9.8. Liability: Nothing in this Consent Order shall constitute or be construed as a satisfaction or release from liability for any conditions or claims arising as a result of past, current, or future operations of Respondent, except as provided in this Consent Order. Notwithstanding compliance with the terms of this Consent Order, Respondent may be required to take further actions as are necessary to protect public health or welfare or the environment.

9.9. Site Access: Access to the Site shall be provided at all reasonable times to employees, contractors, and consultants of the Department, and any agency having jurisdiction. Nothing in this Consent Order is intended to limit in any way the right of entry or inspection that any agency may otherwise have by operation of any law. The Department and its authorized representatives may enter and move freely about all property at the Site at all reasonable times for purposes including but not limited to: inspecting records, operating logs, and contracts relating to the Site; reviewing the progress of Respondent in carrying out the terms of this Consent Order; and conducting such tests as the Department may deem necessary. Respondent shall permit such persons to inspect and copy all records, documents, and other writings, including all sampling and monitoring data, in any way pertaining to work undertaken pursuant to this Consent Order.

9.10. Sampling, Data, and Document Availability: Respondent shall permit the Department and its authorized representatives to inspect and copy all sampling, testing, monitoring, and other data generated by Respondent or on Respondent's behalf in any way pertaining to work undertaken pursuant to this Consent Order.

9.11. Government Liabilities: The State of California shall not be liable for injuries or damages to persons or property resulting from acts or omissions by Respondent or related parties specified in paragraph 12.3, in carrying out activities pursuant to this Consent Order, nor shall the State of California be held as a party to any contract entered into by Respondent or its agents in carrying out activities pursuant to this Consent Order.

9.12. Incorporation of Plans and Reports: All plans, schedules, and reports that require Department approval and are submitted by Respondent pursuant to this Consent Order are incorporated in this Consent Order upon approval by the Department.

9.13. Extension Requests: If Respondent is unable to perform any activity or submit any document within the time required under this Consent Order, the Respondent may, prior to expiration of the time, request an extension of time in writing. The extension request shall include a justification for the delay.

9.14. Extension Approvals: If the Department determines that good cause exists for an extension, it will grant the request and specify in writing a new compliance schedule.

PAYMENTS

10. Within 30 days of the effective date of this Consent Order, Respondent shall deliver to the Department a total of forty-nine thousand five hundred dollars ($49,500), of which $40,000 is an administrative penalty, $5,000 is a supplemental environmental project, and $4,500 will reimburse the Department's costs in this matter.

10.1 Respondent's check or money order for $44,500 in penalties and costs shall be made payable to Department of Toxic Substances Control, shall be annotated with the docket number of this matter, and shall be delivered together with the attached Payment Voucher to:

Department of Toxic Substances Control
Accounting Office
1001 I Street, 21st floor
P. O. Box 806
Sacramento, California 95812-0806

A photocopy of the check shall be sent to both:

Florence Gharibian, Chief
Glendale Branch of Statewide Compliance Division
Department of Toxic Substances Control
1011 North Grandview Avenue
Glendale, California 91201

and

Vivian Murai, Staff Counsel
Office of Legal Affairs
Department of Toxic Substances Control
1001 I Street, 23rd floor (MS-23A)
P.O. Box 806
Sacramento, California 95812-0806

10.2 Respondent shall pay five thousand dollars ($5,000) as a supplemental environmental project by check or money order made payable to the Secretary of the California Environmental Protection Agency for deposit in the Environmental Enforcement Training Account as set forth in Penal Code section 14300 et seq., and delivered with two photocopies of this check or money order to Vivian Murai at the address listed above.

10.3 If Respondent fails to make any payment as provided above, Respondent agrees:

A) To pay interest at the rate established pursuant to Health and Safety Code section 25360.1 and to pay all costs incurred by the Department in pursuing collection including attorney's fees; and

B) That all balances due shall be deemed a penalty for enforcement and collection purposes, regardless of its original characterization under this document.

OTHER PROVISIONS

11.1. Additional Enforcement Actions: By agreeing to this Consent Order, the Department does not waive the right to take further enforcement actions, except to the extent provided in this Consent Order.

11.2. Penalties for Noncompliance: Failure to comply with the terms of this Consent Order may subject Respondent to civil penalties and/or punitive damages for any costs incurred by the Department or other government agencies as a result of such failure, as provided by Health and Safety Code section 25188 and other applicable provisions of law.

11.3. Parties Bound: This Consent Order shall apply to and be binding upon Respondent and its officers, directors, agents, receivers, trustees, employees, contractors, consultants, successors, and assignees, including but not limited to individuals, partners, and subsidiary and parent corporations, and upon the Department and any successor agency that may have responsibility for and jurisdiction over the subject matter of this Consent Order.

11.4. Effective Date: The effective date of this Consent Order is the date it is signed by the Department.

11.5. Integration: This agreement constitutes the entire agreement between the parties and may not be amended, supplemented, or modified, except as provided in this agreement.

11.6. Compliance with Waste Discharge Requirements: Respondent shall comply with all applicable waste discharge requirements issued by the State Water Resources Control Board or a California Regional Water Quality Control Board.

Dated: 4-26-07

Jack Stutz, President and CEO
Tamco, a California Corporation DBA
Tamco Steel, Inc.

Dated: May 2, 2007

Florence Gharibian, Branch Chief
Glendale Branch
Statewide Compliance Division
Department of Toxic Substances Control

Alan C. Lloyd, Ph.D.
Agency Secretary
Cal/EPA

1011 North Grandview Avenue
Glendale, California 91201

Arnold Schwarzenegger
Governor

CERTIFIED MAIL

October 7, 2005

Matthew Jalali
Environmental Manager
TAMCO Steel
P.O. Box 325
Rancho Cucamonga, CA 91739-0325

Dear Mr. Jalali:

Thank you for your August 25, 2005, letter outlining TAMCO's proposal for removing contaminated soil at the TAMCO facility. On September 16, 2005, The Department of Toxic Substances Control (DTSC) contacted your consultant, Dr. David Leu to request additional information on the project. The information Dr. Leu provided in response to our request was very helpful. We do have some additional questions. We have tentatively scheduled a conference call for October 12, 2005, at 2:00 PM to discuss the issues outlined below (the issues were also outlined in our September 16, 2005 correspondence).

1. DTSC comment; please provide Information demonstrating verification of compliance with all applicable portions of the Cal-OSHA General Industry and Construction Safety Orders found within Title 8 of the California Code of Regulations.

   TAMCO's response: The project will be conducted under a Health and Safety Plan that meets Title 8 requirements and all site personnel will be 40-hour HAZWOPER certified. Dr. Leu provided the Health and Safety plan on September 30, 2005.

2. DTSC comment; Provide a diagram showing the area where the soil removal will occur.

   TAMCO's response: The attached diagram was drawn by TAMCO on the day DTSC took its samples (January 20, 2005). We have indicated the approximate area to be excavated in green. This location is based on the sampling results we received from the splits of the samples that DTSC gave TAMCO. The results show that the only sample that was not on a concrete pad and failed hazardous

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waste criteria was Sample 5. This sample was taken of surface dirt located just north of the concrete pad that was holding the scrap pile designated COMP P16. The exact dimensions of the excavation will be determined by sampling results of samples to be taken during the removal project.

DTSC comment: The diagram submitted to DTSC indicates sample location 1x rather than sample location 5x. Please indicate the correct sample location in the diagram. It is also important to point out that DTSC's sampling strategy would not be adequate to determine the full extent of contaminated soil in the metal turnings pile work area. TAMCO sample #5 taken on February 2, 2005, from soil north of the storage pad exceeded the limit for lead. Samples collected from the base of composite piles and from the turning piles exceeded the limits of lead, chromium, copper, nickel and/or zinc. Contaminated soil must be removed from all of these areas.

3. DTSC Comment; provide a description of the criteria that will be used to determine the number of samples to be taken from the soil after it is removed. A description of the metals and other contaminants to be included in the laboratory analysis and the test methods that will be used to analyze for these contaminants.

TAMCO's response: Based on the sampling results obtained from the splits generated from DTSC's January 20, 2005 sampling episode, CAM metals will be the constituents of concern to be analyzed for. TTLC analysis will be first conducted on all samples collected. Any samples failing 10 times STLC will also be analyzed for STLC results. Each sample will be analyzed for metals using USEPA Method 6000-series (except Hg, which will be by USEPA Method 7470) by a state certified laboratory (Associated Laboratory in Anaheim, CA.) We plan on taking sidewall and bottom samples from the excavation every 50 linear feet. Pile(s) to be sampled will be sampled following SW-846 Chapter 9 protocols. The "n" statistic will be run to determine if an adequate number of samples have been taken to generate statistically valid results.

DTSC comment: Also, explain the criteria used to excavate soil every 50 linear feet and to analyze samples failing 10X the STLC. In your response, you have stated that the pile(s) will be sampled following SW-846 Chapter 9 protocols. Please provide a diagram clearly indicating the areas that will be sampled and the number of samples that will be taken.

3. DTSC comment; please provide a schedule for the soil removal and sampling activities.

TAMCO's response: A definitive start date cannot be stated given that DTSC is reviewing the proposed program and TAMCO is not sure when approval will be granted. However, TAMCO is anxious to start and finish the project as soon as

possible to avoid the impacts of the up coming rainy season. Only 1 day is needed for the initial removal and sampling activities described in TAMCO's August 25, 2005 letter to Mrs. Gharibian. It is anticipated that the laboratory will report the sampling results within three to five days. If, based on the first round of results, additional soil removal and sampling is required, this will be accomplished as soon as possible and will again be completed within one day. Once the sample results demonstrated the remaining soils meet the cleanup criteria, the area will then be backfilled with clean soil.

DTSC comment: Please discuss the criteria used in determining the extent of the contamination.

4. DTSC comment; please provide information on where the soil removed from the scrap metal area will be stored while the sampling is being conducted.

   TAMCO's response: The topsoil will be placed scraped off and placed in a 10-yard roll off(s) and covered with plastic, awaiting transportation and disposal. The soil beneath this layer will be excavated and placed on an adjacent concrete pad and covered with plastic awaiting sampling results. If the soil is clean, it will be returned to the excavation. If the soil fails the cleanup up objectives, it will be placed into 10-yard bins, covered with plastic and transported and disposed of legally.

   DTSC comment: discuss how the clean up levels will be applied to the soil in the roll off(s).

5. DTSC comment: Information on the hazardous waste treatment, storage or disposal facility TAMCO would use in the event that the soil is determined to be hazardous waste.

   TAMCO's response: The topsoil will be placed scraped off and placed in a 10-yard roll off(s) and covered with plastic, awaiting transportation and disposal. The soil beneath this layer will be excavated and placed on an adjacent concrete pad and covered with plastic awaiting sampling results. If the soil is clean, it will be returned to the excavation. If the soil fails the cleanup up objectives, it will be placed into 10-yard bins, covered with plastic and transported and disposed of legally.

6. DTSC comment: Information on dust control measures to be implemented during the soil removal process.

   TAMCO's response: The area will be watered prior to excavation to minimize any significant dust issues. Additional water will be made available is dust issues arise. Excavation will not begin or proceed if winds are above 20 mph.

DTSC comment: The soil removal activities must comply with the SCAQMD guidelines on dust control.

7. DTSC comment; Provide Information on the process to determine that fill materials used to replace the excavated soil will be free of any contamination.

   TAMCO's response: Any excavated soils that are sampled and found to pass the clean soils criteria will be used to backfill the excavation. Any additional backfill materials needed will come from the slag operation that is present at the facility. Analytical data of this slag shows it to pass the clean soils criteria. Clean soils criteria will be either CalEPA's industrial PRGs for inorganics or California hazardous waste criteria (TTLC and SLTC), which ever is lowest.

8. DTSC comment; provide an outline of the information that will be included in the completion report.

   TAMCO's response: The completion report will contain the following information:

   Introduction
   Site Description
   Project Background Information
   Remediation Objective
   Cleanup Levels
   Field Activities
   Results
   Conclusions
   Figures
   Tables
   Laboratory Reports
   Signatory and Professional Stamp Page

Your August 25, 2005, letter addressed the implementation of scrap metal program which compliments the existing program. Please plan to discuss the operational changes Tamco made to prevent recurrence of soil contamination. DTSC remains concerned regarding how the scrap metals piles are managed. The 10-inch concrete storage pad does not have a secondary containment. The piles are stored in an open area; contamination is likely to migrate to the unpaved areas located north, south and west of the storage pad.

anticipates discussions on each of the above topics during our conference call. If you prefer meeting in lieu of the conference call or would like to change the time and date of the call please let us know.

Sincerely,

Florence Gharibian

Florence Gharibian
Branch Chief,
Statewide Compliance Division
Glendale Office

Certified Mail:
No: 7003 3110 0000 3780 9211
Return Receipt Requested

cc: Vivian Murai, Staff Counsel
Office of Legal Counsel and Investigations
Department of Toxic substances Control
1001 I Street, 23rd Floor
P.O. Box 806
Sacramento, CA 95812-0806

David J. Leu, Ph.D., President
The Leu Group
33725 Magellan Isle, Suite 100
Monarch Beach, CA 92629

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Matthew Jalali
Environmental Manager
TAMCO Steel
P.O. Box 325
Rancho Cucamonga
CA 91739-032r

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Signature

B. Received by (Printed Name) BONAYLOR

C. Date of Delivery 10-

D. Is delivery address different from item 1? ☐ Yes ☑ No
If YES, enter delivery address below:

RECEIVED
OCT 12 2005
DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Southern California Region

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

2. Article Number (Transfer from service label) 7003 3110 0000 3780 9211

PS Form 3811, February 2004 Domestic Return Receipt

To: <RTrigili@dtsc.ca.gov>
Date: 8/25/2005 1:35:35 PM
Subject: TAMCO

Hello
I went out to this site again.
They have process water which I believe may contain hazardous levels of metals. This is stored in a concrete pit.
Our agency has requirements for ponds/pits to be permitted since groundwater has the potential to be impacted.
However, our landfill Supervisor thinks that there is a MOU with DTSC and if the pit contains hazardous materials/waste this may be given to your agency for permitting issues, is that correct? Would you be abl to help me find out if this is true?
Attached are photos of the pit empty and full.
Thanks,
Ann

log # - 05 - 1005 - 0500





DEC 15 2004

TABLE 1

INFORMATION ON CHEMICALS OF CONCERN

Chemical	Maximum Concentration In Soil (mg/kg)	Potential Mode of Intake	Trigger Limits PEL (TWA)	IDLH Concern Level (H/M/L)
Cadmium	24.6	Inh, Ing, Abs	0.005 mg/m3	9 mg/m3 Low
Chromium	477	Inh, Ing, Abs	1 mg/m3	250 mg/m3 Low
Copper	868	Inh, Ing, Abs	1 mg/m3	100 mg/m3 Low
Lead	1010	Inh, Ing, Abs	0.050 mg/m3	100 mg/m3 Low
Nickel	101	Inh, Ing, Abs	0.015 mg/m3	5mg/m3 Low
Zinc	1650	Inh, Ing, Abs	5 mg/m3	500 mg/m3 Low
Mercury	0.88	Inh, Ing, Abs	0.1 mg/m3	10 mg/m3 Low

TAMCO Steel
P.O. BOX 325 • RANCHO CUCAMONGA, CA 91739-0325

August 25, 2005

Florence Gharibian, Branch Chief
Statewide Compliance Division
1011 North Grandview Avenue
Glendale, California 91201

Dear Mrs. Gharibian

I am in receipt of your letter dated July 27, 2005 which describes the results of your Department's January 20, 2005 sampling inspection. In your letter you requested that TAMCO submit a written response within 30 days describing the corrective actions that have been taken, or are proposed to be taken, to bring our facility into compliance. This letter represents the requested response.

We have consulted with Dr. Leu of The Leu Group, one of our environmental and compliance consulting firms. We understand that Dr. Leu has discussed our situation with you and has proposed that TAMCO will remove those soils that appear to be impacted by the residuals of scrap metal that were temporarily stored on soil. Once removed, the soils will be sampled and a waste determination will be conducted to determine the proper disposal of such soils. Once the soils are excavated, soil samples will be taken from the bottom and sidewalls of the excavation area to demonstrate that any soils impacted above either hazardous waste levels or CalEPA's industrial preliminary remediation goals (PRGs) have been removed. If the initial round of samples fails to make that demonstration, then additional soils will be removed until that demonstration can be made. Once the impacted soils are removed, clean fill will be used to return the area to grade. At the completion of this project, a letter report will be sent to you confirming the removal of the impact soils and identifying the permitted offsite disposal facility that we sent the impacted soil to.

We anticipate this work to be completed in September, 2005. Accounting for time needed by the laboratory to return the analytical results, we expect to be able to submit our letter report to your office in October, 2005.

To minimize this issue from recurring in the future, TAMCO's has implemented a scrap metal storage program where all scrap metal received is stored on paved storage pads. This compliments our existing program of stormwater and air management programs described in our March 30, 2005 letter.

If you have any questions regarding our approach to proactively address your concerns, please call me at (909) 646-7803. TAMCO appreciates you assistance on this matter.

Sincerely,

Matthew Jalali

Matthew Jalali
Environmental Manager
TAMCO Steel
P.O. Box 325
Rancho Cucamonga, CA 91739-0325

cc: Vivian Murai, Staff Counsel
Office of Legal Counsel and Investigations
Department of Toxic Substances Control
1001 I Street, 23rd Floor
P.O. Box 806
Sacramento, California 95812-0806

David J. Leu, Ph. D., President
The Leu Group
33725 Magellan Isle, Suite 100
Monarch Beach, CA 92629

Phone (951) 782-4130 - FAX (951) 781-6288
http://www.waterboards.ca.gov/santaana

Arnold Schwarzenegger
Governor

September 16, 2005

Mr. Matthew Jalali, Environmental Manager
TAMCO Steel
P.O. Box 325
12459-B Arrow Highway
Rancho Cucamonga, CA 91739

NOTICE OF VIOLATION: FAILURE TO COMPLY WITH THE GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES, ORDER NO. 97-03-DWQ, NPDES NO. CA0000001 (GENERAL PERMIT), WDID 8361002257

Dear Mr. Jalali:

As you are aware, the General Permit prohibits the discharge of materials other than storm water and authorized non-storm water from industrial sites. The General Permit requires the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP), emphasizing the utilization of best management practices (BMPs) designed to reduce/eliminate migration of sediment and other pollutants to storm drains and/or receiving waters.

On August 16, 2005, Mr. Muhammad Bashir, Mr. Chuck Griffin and Ms. Ann Iaali of this office inspected your facility, located at 12459 Arrow Highway, Rancho Cucamonga. This facility is covered under the General Permit is identified by WDID No. 8361002257. The following violations were noted during the inspection of the facility (selected photographs taken during the inspection are also enclosed):

- The SWPPP does not satisfy the requirements specified in Section A: Storm Water Pollution Prevention Plan Requirements of the General Permit. A SWPPP must present BMPs to control/eliminate pollutants during the wet and dry seasons. Specific BMPs need to be mentioned (for example, sweeping the area daily, containerizing cutting wastes daily, sweeping complete site weekly, and so on). For any proposed future structural BMPs, an implementation schedule should be included.

- The SWPPP does not identify all of the potential pollutants. We observed unlabeled super-sacs of materials and pallets with bags of material that had their contents spilled on to the ground. These materials are not identified in the SWPPP. It was also unclear how these materials were used at the site. The inventory of materials needs to include all additives and raw materials that are used at the facility.

- A SWPPP should indicate where specific BMPs are to be implemented and include a mechanism to routinely update the SWPPP should those BMPs prove inadequate to eliminate pollutant transport and/or unauthorized non-storm water discharges. Staff observed recent improvements, such as a cover over the container storage area, a small wall around the North side of the furnace adjacent to the office, and a silt fence and sand bags. During the March 1, 2005 meeting TAMCO stated that it would complete other changes in the scrap yard and other areas of the site. These changes have not been implemented. The site still has major housekeeping problems. Additional BMP implementation is required in order to improve the housekeeping practices.

- The SWPPP map needs to truly represent the facility and it should be legible. Also, sampling locations need to be noted. Please revise the map.

- The SWPPP does not indicate as to how or where the samples for stormwater annual report compliance are obtained. More details are needed in this SWPPP section. Also, during our March 2005 meeting we requested to include testing for copper and ferrous iron. Tamco's response letter acknowledged that it would add testing for those two parameters, but this change has not been included in the SWPPP.

- Employees at the site were not properly trained in the implementation of BMPs designed to prevent migration of pollutants to the storm drain system. You indicted that supervisors had been trained, but the line staff did not receive the same level of training. We request that appropriate training be provided to all to eliminate/reduce the discharge of pollutants by maintaining good housekeeping practices and other control measures.

- A May 16, 2005 letter to us indicated that BMPs for protection of drainage inlets were completed. This letter also indicated that the design and implementation of plans to improve drainage system would be completed by September of 2005. However, Board staff observed storm drain inlets were not protected. Piles of dust and other materials were on and around the drains. The use of geotextile mats was supposed to have been implemented, but was not. We were told that this improvement was no longer going to be implemented and the drainage improvements were being reconsidered. Tamco was unsure of the schedules for any of the other improvements. Please note that any changes to the BMPs must be documented in the SWPPP. Some of the problems we identified during previous inspections have not been fully resolved. Please note that it is critical to have adequate control measures prior to the onset of the 2005/2006-winter season.

- Spills of oil and grease were observed on the ground at several locations. At the maintenance building area, the maintenance crew was fixing a large machinery outside and the oil was dripping onto the unpaved ground. Also at this location, a

hose was discharging dirty water from a dirty black sink inside the building. This is an unauthorized non-storm water discharge and is a violation of the General Permit.

- Another non-storm water discharge was observed leaving the facility in the southeast corner of the site.

- Dust from facility operations appeared to be noticeably worse than previous inspections.

- In the scrap metal area of the site, we observed piles of auto-shredder waste. We were told that this came from the neighboring business, Pacific Coast Recycling (PCR). Later staff confirmed that 60-70% of PCR's materials are shipped to Tamco. The materials from PCR contain foam that comes mainly from car seats. This foam was observed at various areas of Tamco's facility, including near the south perimeter fence. We have previously sampled the foam that came from the PCR site and it contained PCBs. Tamco must ensure the proper containment of this material so that it does not migrate off-site with storm water or wind.

- In the scrap metal area, we observed sprinklers were spraying water over piles of hot slag material. This material, from the melt shop, is stored in stockpiles without any cover. Staff observed that water was coming in contact with the slag and then allowed to flow or percolate into the ground, which is also an unauthorized non-storm water discharge. Up on contact with water or storm water, the scrap piles can be a potential source of dissolved metals and other contaminants including petroleum hydrocarbons. The area is not paved, so some of the contaminants could be percolating into the ground. The SWPPP did not mention depth to groundwater at this site. So we are unsure if this wastewater could impact groundwater. BMPs must be implemented to prevent the percolation of contaminated wastewaters into the ground and to prevent offsite migration of dissolved metals, debris, sediments, and petroleum hydrocarbons during storm events.

- In the middle of the facility there is a silo, just north of the furnace, where white powder (soda ash) is stored. This was on the ground and being tracked around by equipment. It was also windy at the site and this material has a possibility for wind dispersal. Just to the east of the silo area, staff observed an area with metal planks connected to bases that had some unknown bluish chips on the ground. Improved housekeeping is needed in these areas.

- At the cooling tower area, adjacent to the office, we observed water from the tower splashing out to the ground and a puddle around the valves to the cooling tower. Non-storm water flows were observed draining to the adjacent storm drain inlet. This area drains to the southwest area of the site. We also observed there was an area full of non-storm water, and this is located right before the valve area that empties into the percolation pond. It appears that Tamco generates a lot of non-

storm water discharges. These non-storm waters, generated at different locations of the facility, must be properly managed.

- At the cooling bed/ bundling station, we observed that with every cut a fine black dust is generated. This dust accumulates under the cutting area, and also along the sides of the bundling area. Piles of this black dust were also found in a few other areas of the site. This waste metal dust needs to be managed properly. There was a sink at the cutting area that was leaking water and carried the cutting dust to a storm drain inlet.

- The storm drain inlet adjacent to PCR was unprotected. This drain goes directly south and off-site to a channel that runs through Reliant Energy's site. We observed water flowing from this area and noted an orange absorbent boom in the discharge area.

- At the south side of the facility, across from the roll mill, there is a pit where maintenance is done. There are stairs leading down to an underground vault. There are drains in the topside of the maintenance area that empty to the underground area. This underground area was full of oily liquid all the way to the top step of the stairs. This condition was observed during the last inspections as well.

  There was also a hose and pump leading to the underground vault. We were told that Tamco staff had pumped out the southern drainage channel and put it into the underground vault so as to prevent runoff from going down the drainage channel and off-site. It appears that Tamco uses this vault as a containment area. It is not clear if this vault was designed to contain such wastes. It is critical to test the integrity of this system to contain such wastes.

- We are also concerned with the concrete pit containing contact wastewater from the "mill scales". Piles of mill scale waste was stored adjacent to the roll mill, out in the open and uncovered. Piles were also placed on a concrete pad adjacent to a concrete pit. This pit was full of contact wastewater. This pit was being utilized as a storage pit. The wastewater and mill scale waste needs to be analyzed as soon as possible for various constituents to see what potential pollutants it contains. We would like to be present during sampling and obtain split samples at the same time. Please schedule a time with us.

  There was a hose leading away from this pit. The SWPPP does not disclose the specific final destination/disposal for the mill scale or its wastewater. The wastewater used to be discharged into the sewer line but the site no longer has a sewer discharge permit. Tamco staff stated the wastewater is recycled in the mill process. After a while the wastewater will become full of solids that it will not be reusable. Please clarify this process and how storm water and groundwater contamination is prevented.

There is concern that this pit has not been designed to prevent wastewater from seeping from the structure into the underlying soil and groundwater. We have seen the pit when it was not completely full and observed that its integrity for containment was questionable.

If Tamco still wants to utilize this pit as a process wastewater containment area, then its capacity to meet Title 27 requirements must be demonstrated. Also the site would have to submit a Report of Waste Discharge to our office for the continued use of this pit. The process wastewater needs to be sampled, as mentioned earlier, for hazardous waste parameters. If the wastewater and mill scale sample analysis indicate high levels of hazardous constituents, then Tamco would have to build a surface impoundment that complies with the requirements in Title 23, Division 3, Chapter 15, and may need permits from other agencies. Tamco would also need to conduct groundwater monitoring to ensure the waste has not contaminated groundwater.

We have concerns that your facility's industrial operations have potentially contributed pollutants to the subsurface soil. Therefore we request that by October 31, 2005, you develop a sampling plan to gather representative soil samples for analysis of potential pollutants from your facility. Your proposed sampling and analytical plan should be submitted to us for approval.

This site remains in violation of the General Permit, the California Water Code and the federal Clean Water Act.

We request that you address the problems outlined above by implementing BMPs to control pollutants and to eliminate non-storm water discharges. By October 31, 2005, please submit to this office a description of the actions taken to address the above-mentioned problems along with a copy of the revised site-specific SWPPP and a soil sampling plan. Failure to submit the requested information may result in further enforcement action, including civil monetary penalties of up to $ 10,000 for each day of violation. Further enforcement action is being considered at this time for the violations cited above.

If you have any questions, please contact Ms. Ann Iaali at (951) 320-2182.

Sincerely,

Michael J. Adackapara
Division Chief

Enclosure: Selected photographs from the August 15, 2005 inspection

Santa Ana Region

Alan C. Lloyd, Ph.D.
Agency Secretary

3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (951) 782-4130 - FAX (951) 781-6288
http://www.waterboards.ca.gov/santaana

Arnold Schwarzene
Governor

February 10, 2005

Mr. Jack Stutz
TAMCO Steel
12459 Arrow Highway
Rancho Cucamonga, CA 91739

NOTICE OF VIOLATION: FAILURE TO COMPLY WITH THE GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES, ORDER NO. 97-03-DWQ, NPDES NO. CA0000001 (GENERAL PERMIT), WDID 836I002257

Dear Mr. Stutz:

As you are aware, the General Permit prohibits the discharge of materials other than storm water and authorized non-storm water from industrial sites. The General Permit requires the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP), emphasizing best management practices (BMPs), designed to reduce/eliminate migration of sediment and other pollutants to storm drains and/or receiving waters.

On December 15, 2004, Mr. Muhammad Bashir and Ms. Ann Iaali of this office inspected your facility, located at 12459 Arrow Highway, Rancho Cucamonga. This facility is covered under the General Permit and is identified by WDID No. 836I002257. The following violations were noted during the inspection of the facility:

- The SWPPP does not satisfy the requirements specified in Section A: Storm Water Pollution Prevention Plan Requirements of the General Permit. A SWPPP must present BMPs to control/eliminate pollutants during the wet and dry seasons. A SWPPP should indicate where those BMPs are to be implemented and include a mechanism to update the SWPPP should those BMPs prove inadequate to eliminate pollutant transport and/or unauthorized non-storm water discharges.

- The SWPPP is not signed in the certification section as required per the General Permit.

- The SWPPP does not include an up-to-date list of personnel responsible for monitoring and SWPPP implementation.

- The SWPPP does not identify the percolation pond on the southwest corner of the facility.

- The SWPPP does not identify all of the potential pollutants.

- The Monitoring Program must be developed as per guidelines provided in Section B: Monitoring Program and Reporting Requirements of the General Permit.

- Sections B3 and B4 of the General Permit require the facility owners to visually observe all drainage areas within their facility for the presence of unauthorized non-storm and storm water discharges. A record of visual observation was not available at the site.

- Employees at the site were not properly trained in the implementation of BMPs designed to prevent migration of pollutants to the storm drain system. There were no records of any training.

- Used equipment parts containing grease and oil were stored on the ground without any protection and were exposed to storm water.

- Spills of oil and grease were observed on the ground at several locations.

- Some of the used materials were rusted and rust stains were observed on the ground. Rusty metal particulates can be transported by storm water.

- Some of the fluid storage facilities lacked proper secondary containment.

- Non-storm water discharge was observed from the facility. Most of the non-storm water discharge was from dust control operations. This sediment-laden non-storm water was being discharged into the on-site storm drain system.

- Dust from facility operations was noted throughout the facility including the grates on the storm drain systems.

- Used batteries were stored in the open. Some of them were leaking and create a threat of storm water pollution.

- Waste water was dripping from one of the pipes and was being discharged into the storm drain.

- In some areas, potentially hazardous and other materials were stored on the ground without adequate protection or BMPs to prevent the pollutants from transporting off-site.

- A lack of proper BMPs and good housekeeping practices was noted throughout the facility, including the following:
  - Waste materials were discarded at several locations without proper control measures.
  - Facility-generated dust was observed throughout the facility, including in storm drain grates.
  - Stains and other evidence of spills and leaks were noted at a number of locations.
  - Storage areas for waste materials and raw materials lacked proper controls.
  - Storm drain inlet structures within the facility were not protected properly. The grates were full of sediment and in some areas oil was allowed to drip on to the storm drain grates.

The Annual Reports for previous years show that two storm water samples were collected during the rainy seasons. Analytical results of samples collected during the last four years indicated high concentrations of total suspended solids (TSS), specific conductance (SC), zinc (Zn), aluminum (Al) and manganese (Mn.) Most of the constituent concentrations exceed EPA benchmark values. Please see the chart below:

Discharge Location	Date sampled	TSS		SC		Zn		Al	
		Observed	EPA	Observed	EPA	Observed	EPA	Observed	EPA
S/E	11/29/01	101	100	1870	200	2.22	0.12	10.9	0.75
S/E	4/24/02	12140	100	880	200	5.84	0.12	68.3	0.75
S/E	11/08/02	1870	100	759	200	2.01	0.12	82.1	0.75
S/E	12/17/02	2990	100	448	200	5.58	0.12	71.1	0.75
S/E	1/14/03	264	100	2760	200	3.94	0.12	47.3	0.75
S/E	11/12/03	2220	100	440	200	3.83	0.12	51.7	0.75

The high concentration of pollutants reflects a lack of adequate control measures at the site. You are required to implement effective control measures at the site to control the discharges of pollutants from the site.

During the inspection, our staff discussed with your staff various measures to improve storm water and non-storm water quality at the site. Our staff also expressed concern about the pond at the southwest corner that was not able to contain the wastewater and the presence of gullies under the fence and off-site. Staff requested that your staff eliminate the colored wastewater discharges from the channel at the southeast corner

of the site. During the storm event on January 11, 2005, we were told by SBCFCD that this channel was still discharging colored wastewater.

On January 11, 2005, storm water discharges were observed coming off the southern perimeter of your site at a high rate. This caused erosion of the soil adjacent to the railroad tracks. The southwestern corner pond discharged as well. The basin that catches the wet slag stockpile's wastewater also discharged off-site and caused the area adjacent to the railroad tracks to be covered in an oil-like substance. Water draining from the southeast portion of the site was grey.

Your company is allowing non-storm water discharges containing contaminants to leave the site. This must cease immediately. Your staff needs to ensure that control measures are in place to prevent contaminated discharges from leaving your site.

This site is currently in violation of the General Permit, the California Water Code and the federal Clean Water Act. We request that you immediately address the problems outlined above by implementing BMPs to control pollutants. By February 28, 2005, please submit to our office a description of the actions taken to address the above-mentioned problems along with a copy of the revised site-specific SWPPP. Failure to submit the requested information may result in further enforcement action, including civil monetary penalties of up to $ 10,000 for each day of violation. Further enforcement action is being considered at this time for the violations cited above.

If you have any questions, please contact Ms. Ann Iaali at (951) 320-2182.

Sincerely,

Gerard J. Thibeault
Executive Officer

Cc: San Bernardino County, Public Works Department-Matt Yeager, NPDES Coordinator

City of Rancho Cucamonga- Bob Zetterberg, NPDES Coordinator

Alan C. Lloyd, Ph.D.
Agency Secretary

Santa Ana Region

3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (951) 782-4130 - FAX (951) 781-6288
http://www.waterboards.ca.gov/santaana

Arnold Schwarzenegger
Governor

September 16, 2005

Mr. Matthew Jalali, Environmental Manager
TAMCO Steel
P.O. Box 325
12459-B Arrow Highway
Rancho Cucamonga, CA 91739

NOTICE OF VIOLATION: FAILURE TO COMPLY WITH THE GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES, ORDER NO. 97-03-DWQ, NPDES NO. CA0000001 (GENERAL PERMIT), WDID 8361002257

Dear Mr. Jalali:

As you are aware, the General Permit prohibits the discharge of materials other than storm water and authorized non-storm water from industrial sites. The General Permit requires the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP), emphasizing the utilization of best management practices (BMPs) designed to reduce/eliminate migration of sediment and other pollutants to storm drains and/or receiving waters.

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hose was discharging dirty water from a dirty black sink inside the building. This is an unauthorized non-storm water discharge and is a violation of the General Permit.

- Another non-storm water discharge was observed leaving the facility in the southeast corner of the site.

- Dust from facility operations appeared to be noticeably worse than previous inspections.

- In the scrap metal area of the site, we observed piles of auto-shredder waste. We were told that this came from the neighboring business, Pacific Coast Recycling (PCR). Later staff confirmed that 60-70% of PCR's materials are shipped to Tamco. The materials from PCR contain foam that comes mainly from car seats. This foam was observed at various areas of Tamco's facility, including near the south perimeter fence. We have previously sampled the foam that came from the PCR site and it contained PCBs. Tamco must ensure the proper containment of this material so that it does not migrate off-site with storm water or wind.

- In the scrap metal area, we observed sprinklers were spraying water over piles of hot slag material. This material, from the melt shop, is stored in stockpiles without any cover. Staff observed that water was coming in contact with the slag and then allowed to flow or percolate into the ground, which is also an unauthorized non-storm water discharge. Up on contact with water or storm water, the scrap piles can be a potential source of dissolved metals and other contaminants including petroleum hydrocarbons. The area is not paved, so some of the contaminants could be percolating into the ground. The SWPPP did not mention depth to groundwater at this site. So we are unsure if this wastewater could impact groundwater. BMPs must be implemented to prevent the percolation of contaminated wastewaters into the ground and to prevent offsite migration of dissolved metals, debris, sediments, and petroleum hydrocarbons during storm events.

- In the middle of the facility there is a silo, just north of the furnace, where white powder (soda ash) is stored. This was on the ground and being tracked around by equipment. It was also windy at the site and this material has a possibility for wind dispersal. Just to the east of the silo area, staff observed an area with metal planks connected to bases that had some unknown bluish chips on the ground. Improved housekeeping is needed in these areas.

- At the cooling tower area, adjacent to the office, we observed water from the tower splashing out to the ground and a puddle around the valves to the cooling tower. Non-storm water flows were observed draining to the adjacent storm drain inlet. This area drains to the southwest area of the site. We also observed there was an area full of non-storm water, and this is located right before the valve area that empties into the percolation pond. It appears that Tamco generates a lot of non-

storm water discharges. These non-storm waters, generated at different locations of the facility, must be properly managed.

- At the cooling bed/ bundling station, we observed that with every cut a fine black dust is generated. This dust accumulates under the cutting area, and also along the sides of the bundling area. Piles of this black dust were also found in a few other areas of the site. This waste metal dust needs to be managed properly. There was a sink at the cutting area that was leaking water and carried the cutting dust to a storm drain inlet.

- The storm drain inlet adjacent to PCR was unprotected. This drain goes directly south and off-site to a channel that runs through Reliant Energy's site. We observed water flowing from this area and noted an orange absorbent boom in the discharge area.

- At the south side of the facility, across from the roll mill, there is a pit where maintenance is done. There are stairs leading down to an underground vault. There are drains in the topside of the maintenance area that empty to the underground area. This underground area was full of oily liquid all the way to the top step of the stairs. This condition was observed during the last inspections as well.

  There was also a hose and pump leading to the underground vault. We were told that Tamco staff had pumped out the southern drainage channel and put it into the underground vault so as to prevent runoff from going down the drainage channel and off-site. It appears that Tamco uses this vault as a containment area. It is not clear if this vault was designed to contain such wastes. It is critical to test the integrity of this system to contain such wastes.

- We are also concerned with the concrete pit containing contact wastewater from the "mill scales". Piles of mill scale waste was stored adjacent to the roll mill, out in the open and uncovered. Piles were also placed on a concrete pad adjacent to a concrete pit. This pit was full of contact wastewater. This pit was being utilized as a storage pit. The wastewater and mill scale waste needs to be analyzed as soon as possible for various constituents to see what potential pollutants it contains. We would like to be present during sampling and obtain split samples at the same time. Please schedule a time with us.

  There was a hose leading away from this pit. The SWPPP does not disclose the specific final destination/disposal for the mill scale or its wastewater. The wastewater used to be discharged into the sewer line but the site no longer has a sewer discharge permit. Tamco staff stated the wastewater is recycled in the mill process. After a while the wastewater will become full of solids that it will not be reusable. Please clarify this process and how storm water and groundwater contamination is prevented.

There is concern that this pit has not been designed to prevent wastewater from seeping from the structure into the underlying soil and groundwater. We have seen the pit when it was not completely full and observed that its integrity for containment was questionable.

If Tamco still wants to utilize this pit as a process wastewater containment area, then its capacity to meet Title 27 requirements must be demonstrated. Also the site would have to submit a Report of Waste Discharge to our office for the continued use of this pit. The process wastewater needs to be sampled, as mentioned earlier, for hazardous waste parameters. If the wastewater and mill scale sample analysis indicate high levels of hazardous constituents, then Tamco would have to build a surface impoundment that complies with the requirements in Title 23, Division 3, Chapter 15, and may need permits from other agencies. Tamco would also need to conduct groundwater monitoring to ensure the waste has not contaminated groundwater.

We have concerns that your facility's industrial operations have potentially contributed pollutants to the subsurface soil. Therefore we request that by October 31, 2005, you develop a sampling plan to gather representative soil samples for analysis of potential pollutants from your facility. Your proposed sampling and analytical plan should be submitted to us for approval.

This site remains in violation of the General Permit, the California Water Code and the federal Clean Water Act.

We request that you address the problems outlined above by implementing BMPs to control pollutants and to eliminate non-storm water discharges. By October 31, 2005, please submit to this office a description of the actions taken to address the above-mentioned problems along with a copy of the revised site-specific SWPPP and a soil sampling plan. Failure to submit the requested information may result in further enforcement action, including civil monetary penalties of up to $ 10,000 for each day of violation. Further enforcement action is being considered at this time for the violations cited above.

If you have any questions, please contact Ms. Ann Iaali at (951) 320-2182.

Sincerely,

Michael J. Adackapara
Division Chief

Enclosure: Selected photographs from the August 15, 2005 inspection

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Project: HMV8544
Lab Order: 080238
Contract No: 05-T2888

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
080238-001A	A91205-S1	Solid	11/21/2005	11/22/2005	11/30/2005
080238-002A	A81210-S2	Solid	11/21/2005	11/22/2005	11/30/2005
080238-003A	A71215-S3	Solid	11/21/2005	11/22/2005	11/30/2005
080238-004A	A61220-S4	Solid	11/21/2005	11/22/2005	11/30/2005
080238-005A	A51225-S5	Solid	11/21/2005	11/22/2005	11/30/2005
080238-006A	A41230-S6	Solid	11/21/2005	11/22/2005	11/30/2005
080238-007A	A31235-S7	Solid	11/21/2005	11/22/2005	11/30/2005
080238-008A	A21240-S8	Solid	11/21/2005	11/22/2005	11/30/2005
080238-009A	A11245-S9	Solid	11/21/2005	11/22/2005	11/30/2005
080238-010A	B11250-S10	Solid	11/21/2005	11/22/2005	11/30/2005
080238-011A	B21252-S11	Solid	11/21/2005	11/22/2005	11/30/2005
080238-012A	B31254-S12	Solid	11/21/2005	11/22/2005	11/30/2005
080238-013A	B41255-S13	Solid	11/21/2005	11/22/2005	11/30/2005
080238-014A	B51257-S14	Solid	11/21/2005	11/22/2005	11/30/2005
080238-015A	C31300-S15	Solid	11/21/2005	11/22/2005	11/30/2005
080238-016A	C21305-S16	Solid	11/21/2005	11/22/2005	11/30/2005
080238-017A	C11310-S17	Solid	11/21/2005	11/22/2005	11/30/2005
080238-018A	SA11319S18	Solid	11/21/2005	11/22/2005	11/30/2005
080238-019A	SC21322S19	Solid	11/21/2005	11/22/2005	11/30/2005
080238-020A	SC31328S20	Solid	11/21/2005	11/22/2005	11/30/2005
080238-021A	SC11330S21	Solid	11/21/2005	11/22/2005	11/30/2005
080238-022A	SB21334S22	Solid	11/21/2005	11/22/2005	11/30/2005
080238-023A	SB11341S23	Solid	11/21/2005	11/22/2005	11/30/2005

CLIENT: Department of Toxic Substances Control
Project: HMV8544
Lab Order: 080238

CASE NARRATIVE

Analytical Comments for Method 6010

Dilution was necessary for samples 080238-001A, 080238-002A, 080238-003A, 080238-004A, 080238-005A, 080238-006A, 080238-007A, 080238-008A, 080238-009A, 080238-010A, 080238-011A, 080238-012A, 080238-013A, 080238-014A, 080238-015A, 080238-016A, 080238-017A, 080238-018A, 080238-019A, 080238-020A, 080238-021A, 080238-022A and 080238-023A, due to sample matrix.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are outside recovery criteria for samples 080238-010AMS, 080238-010AMSD, 080238-020AMS, 080238-020AMSD, 080238-023AMS and 080238-020AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for sample 080238-020ADUP, 080238-020AMSD, 080238-023ADUP and 080238-023AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT:	Department of Toxic Substances Control	**Client Sample ID:**	A91205-S1
Lab Order:	080238		
Project:	HMV8544	**Collection Date:**	11/21/2005
Lab ID:	080238-001A	**Matrix:**	SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	790	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	2.7	1.0		mg/Kg	1	11/29/2005
Calcium	83000	1000		mg/Kg	100	11/29/2005
Chromium	410	1.0		mg/Kg	1	11/29/2005
Cobalt	14	1.0		mg/Kg	1	11/29/2005
Copper	480	2.0		mg/Kg	1	11/29/2005
Iron	62000	1000		mg/Kg	100	11/29/2005
Lead	150	1.0		mg/Kg	1	11/29/2005
Manganese	7900	1000		mg/Kg	100	11/29/2005
Molybdenum	9.0	1.0		mg/Kg	1	11/29/2005
Nickel	58	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	2.9	1.0		mg/Kg	1	11/29/2005
Vanadium	110	1.0		mg/Kg	1	11/29/2005
Zinc	550	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	200	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-002A

Client Sample ID: A81210-S2
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	76	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	4400	10		mg/Kg	1	11/29/2005
Chromium	11	1.0		mg/Kg	1	11/29/2005
Cobalt	5.7	1.0		mg/Kg	1	11/29/2005
Copper	11	2.0		mg/Kg	1	11/29/2005
Iron	12000	1000		mg/Kg	100	11/29/2005
Lead	19	1.0		mg/Kg	1	11/29/2005
Manganese	160	10		mg/Kg	1	11/29/2005
Molybdenum	ND	1.0		mg/Kg	1	11/29/2005
Nickel	10	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	27	1.0		mg/Kg	1	11/29/2005
Zinc	64	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT:	Department of Toxic Substances Control	**Client Sample ID:**	A71215-S3
Lab Order:	080238		
Project:	HMV8544	**Collection Date:**	11/21/2005
Lab ID:	080238-003A	**Matrix:**	SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	120	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	5100	10		mg/Kg	1	11/29/2005
Chromium	13	1.0		mg/Kg	1	11/29/2005
Cobalt	7.8	1.0		mg/Kg	1	11/29/2005
Copper	12	2.0		mg/Kg	1	11/29/2005
Iron	15000	1000		mg/Kg	100	11/29/2005
Lead	4.2	1.0		mg/Kg	1	11/29/2005
Manganese	200	10		mg/Kg	1	11/29/2005
Molybdenum	ND	1.0		mg/Kg	1	11/29/2005
Nickel	8.2	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	33	1.0		mg/Kg	1	11/29/2005
Zinc	44	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-004A

Client Sample ID: A61220-S4
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	78	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	4400	10		mg/Kg	1	11/29/2005
Chromium	16	1.0		mg/Kg	1	11/29/2005
Cobalt	5.6	1.0		mg/Kg	1	11/29/2005
Copper	22	2.0		mg/Kg	1	11/29/2005
Iron	13000	1000		mg/Kg	100	11/29/2005
Lead	17	1.0		mg/Kg	1	11/29/2005
Manganese	240	10		mg/Kg	1	11/29/2005
Molybdenum	ND	1.0		mg/Kg	1	11/29/2005
Nickel	9.7	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	26	1.0		mg/Kg	1	11/29/2005
Zinc	93	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT:	Department of Toxic Substances Control	**Client Sample ID:**	A51225-S5
Lab Order:	080238		
Project:	HMV8544	**Collection Date:**	11/21/2005
Lab ID:	080238-005A	**Matrix:**	SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	340	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	2.3	1.0		mg/Kg	1	11/29/2005
Calcium	84000	1000		mg/Kg	100	11/29/2005
Chromium	530	1.0		mg/Kg	1	11/29/2005
Cobalt	7.2	1.0		mg/Kg	1	11/29/2005
Copper	200	2.0		mg/Kg	1	11/29/2005
Iron	66000	1000		mg/Kg	100	11/29/2005
Lead	120	1.0		mg/Kg	1	11/29/2005
Manganese	8600	1000		mg/Kg	100	11/29/2005
Molybdenum	7.8	1.0		mg/Kg	1	11/29/2005
Nickel	41	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	3.4	1.0		mg/Kg	1	11/29/2005
Vanadium	130	1.0		mg/Kg	1	11/29/2005
Zinc	560	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	180	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT:	Department of Toxic Substances Control	**Client Sample ID:**	A41230-S6
Lab Order:	080238		
Project:	HMV8544	**Collection Date:**	11/21/2005
Lab ID:	080238-006A	**Matrix:**	SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	140	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	3.3	1.0		mg/Kg	1	11/29/2005
Calcium	25000	1000		mg/Kg	100	11/29/2005
Chromium	250	1.0		mg/Kg	1	11/29/2005
Cobalt	9.4	1.0		mg/Kg	1	11/29/2005
Copper	230	2.0		mg/Kg	1	11/29/2005
Iron	46000	1000		mg/Kg	100	11/29/2005
Lead	120	1.0		mg/Kg	1	11/29/2005
Manganese	3200	1000		mg/Kg	100	11/29/2005
Molybdenum	18	1.0		mg/Kg	1	11/29/2005
Nickel	85	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	47	1.0		mg/Kg	1	11/29/2005
Zinc	720	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	80	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT:	Department of Toxic Substances Control	**Client Sample ID:**	A31235-S7
Lab Order:	080238		
Project:	HMV8544	**Collection Date:**	11/21/2005
Lab ID:	080238-007A	**Matrix:**	SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	150	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	1.1	1.0		mg/Kg	1	11/29/2005
Calcium	23000	1000		mg/Kg	100	11/29/2005
Chromium	150	1.0		mg/Kg	1	11/29/2005
Cobalt	6.9	1.0		mg/Kg	1	11/29/2005
Copper	85	2.0		mg/Kg	1	11/29/2005
Iron	26000	1000		mg/Kg	100	11/29/2005
Lead	48	1.0		mg/Kg	1	11/29/2005
Manganese	1700	10		mg/Kg	1	11/29/2005
Molybdenum	2.5	1.0		mg/Kg	1	11/29/2005
Nickel	21	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	50	1.0		mg/Kg	1	11/29/2005
Zinc	290	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	120	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

SAN BERNARDINO CO C0079905

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-008A

Client Sample ID: A21240-S8
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	68	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	3000	10		mg/Kg	1	11/29/2005
Chromium	14	1.0		mg/Kg	1	11/29/2005
Cobalt	5.3	1.0		mg/Kg	1	11/29/2005
Copper	7.9	2.0		mg/Kg	1	11/29/2005
Iron	11000	1000		mg/Kg	100	11/29/2005
Lead	6.9	1.0		mg/Kg	1	11/29/2005
Manganese	140	10		mg/Kg	1	11/29/2005
Molybdenum	ND	1.0		mg/Kg	1	11/29/2005
Nickel	7.6	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	25	1.0		mg/Kg	1	11/29/2005
Zinc	45	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

SAN BERNARDINO CO.
C0079905

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-009A

Client Sample ID: A11245-S9
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	81	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	6600	1000		mg/Kg	100	11/29/2005
Chromium	12	1.0		mg/Kg	1	11/29/2005
Cobalt	5.5	1.0		mg/Kg	1	11/29/2005
Copper	13	2.0		mg/Kg	1	11/29/2005
Iron	12000	1000		mg/Kg	100	11/29/2005
Lead	14	1.0		mg/Kg	1	11/29/2005
Manganese	180	10		mg/Kg	1	11/29/2005
Molybdenum	ND	1.0		mg/Kg	1	11/29/2005
Nickel	9.0	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	25	1.0		mg/Kg	1	11/29/2005
Zinc	68	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

SAN BERNARDINO CO.
C0079905

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-010A

Client Sample ID: B11250-S10
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129B	QC Batch: 25579			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	75	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	3100	10		mg/Kg	1	11/29/2005
Chromium	9.6	1.0		mg/Kg	1	11/29/2005
Cobalt	5.5	1.0		mg/Kg	1	11/29/2005
Copper	9.5	2.0		mg/Kg	1	11/29/2005
Iron	11000	1000		mg/Kg	100	11/29/2005
Lead	14	1.0		mg/Kg	1	11/29/2005
Manganese	140	10		mg/Kg	1	11/29/2005
Molybdenum	ND	1.0		mg/Kg	1	11/29/2005
Nickel	9.1	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	25	1.0		mg/Kg	1	11/29/2005
Zinc	52	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129A	QC Batch: R56634			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-011A

Client Sample ID: B21252-S11
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129C	QC Batch: 25580			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	150	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	1.0	1.0		mg/Kg	1	11/29/2005
Calcium	30000	1000		mg/Kg	100	11/29/2005
Chromium	170	1.0		mg/Kg	1	11/29/2005
Cobalt	7.7	1.0		mg/Kg	1	11/29/2005
Copper	120	2.0		mg/Kg	1	11/29/2005
Iron	41000	1000		mg/Kg	100	11/29/2005
Lead	97	1.0		mg/Kg	1	11/29/2005
Manganese	2900	1000		mg/Kg	100	11/29/2005
Molybdenum	6.8	1.0		mg/Kg	1	11/29/2005
Nickel	41	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	57	1.0		mg/Kg	1	11/29/2005
Zinc	340	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129B	QC Batch: R56635			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	90	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-012A

Client Sample ID: B31254-S12
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129C	QC Batch: 25580			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	240	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	1.5	1.0		mg/Kg	1	11/29/2005
Calcium	48000	1000		mg/Kg	100	11/29/2005
Chromium	460	1.0		mg/Kg	1	11/29/2005
Cobalt	12	1.0		mg/Kg	1	11/29/2005
Copper	120	2.0		mg/Kg	1	11/29/2005
Iron	43000	1000		mg/Kg	100	11/29/2005
Lead	56	1.0		mg/Kg	1	11/29/2005
Manganese	5500	1000		mg/Kg	100	11/29/2005
Molybdenum	5.7	1.0		mg/Kg	1	11/29/2005
Nickel	35	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	1.5	1.0		mg/Kg	1	11/29/2005
Vanadium	87	1.0		mg/Kg	1	11/29/2005
Zinc	310	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129B	QC Batch: R56635			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	50	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT:	Department of Toxic Substances Control	**Client Sample ID:**	B41255-S13
Lab Order:	080238	**Collection Date:**	11/21/2005
Project:	HMV8544	**Matrix:**	SOLID
Lab ID:	080238-013A		

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**(EPA 3050B)**			**EPA 6010B**	
RunID: ICP6_051129C	QC Batch: 25580			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	620	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	1.7	1.0		mg/Kg	1	11/29/2005
Calcium	160000	1000		mg/Kg	100	11/29/2005
Chromium	960	1.0		mg/Kg	1	11/29/2005
Cobalt	8.8	1.0		mg/Kg	1	11/29/2005
Copper	1200	2.0		mg/Kg	1	11/29/2005
Iron	110000	1000		mg/Kg	100	11/29/2005
Lead	69	1.0		mg/Kg	1	11/29/2005
Manganese	17000	1000		mg/Kg	100	11/29/2005
Molybdenum	15	1.0		mg/Kg	1	11/29/2005
Nickel	85	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	7.6	1.0		mg/Kg	1	11/29/2005
Vanadium	250	1.0		mg/Kg	1	11/29/2005
Zinc	720	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS				**EPA 1664_SGT/HEM (M)**		
RunID: WETCHEM2_051129B	QC Batch: R56635			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	60	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-014A

Client Sample ID: B51257-S14
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS	**(EPA 3050B)**			**EPA 6010B**		
RunID: ICP6_051129C	QC Batch: 25580			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	100	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	13000	1000		mg/Kg	100	11/29/2005
Chromium	160	1.0		mg/Kg	1	11/29/2005
Cobalt	7.0	1.0		mg/Kg	1	11/29/2005
Copper	150	2.0		mg/Kg	1	11/29/2005
Iron	45000	1000		mg/Kg	100	11/29/2005
Lead	14	1.0		mg/Kg	1	11/29/2005
Manganese	950	10		mg/Kg	1	11/29/2005
Manganese	1100	1000		mg/Kg	100	11/29/2005
Molybdenum	6.3	1.0		mg/Kg	1	11/29/2005
Nickel	30	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	33	1.0		mg/Kg	1	11/29/2005
Zinc	74	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS				**EPA 1664_SGT/HEM (M)**		
RunID: WETCHEM2_051129B	QC Batch: R56635			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-015A

Client Sample ID: C31300-S15
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**(EPA 3050B)**			**EPA 6010B**	
RunID: ICP6_051129C	QC Batch: 25580				PrepDate: 11/28/2005	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	86	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	4600	1000		mg/Kg	100	11/29/2005
Chromium	13	1.0		mg/Kg	1	11/29/2005
Cobalt	6.1	1.0		mg/Kg	1	11/29/2005
Copper	11	2.0		mg/Kg	1	11/29/2005
Iron	13000	1000		mg/Kg	100	11/29/2005
Lead	6.5	1.0		mg/Kg	1	11/29/2005
Manganese	180	10		mg/Kg	1	11/29/2005
Manganese	ND	1000		mg/Kg	100	11/29/2005
Molybdenum	ND	1.0		mg/Kg	1	11/29/2005
Nickel	7.3	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	26	1.0		mg/Kg	1	11/29/2005
Zinc	44	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS		**EPA 1664_SGT/HEM (M)**				
RunID: WETCHEM2_051129B	QC Batch: R56635				PrepDate:	Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-016A

Client Sample ID: C21305-S16
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129C	QC Batch: 25580			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	100	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	11000	1000		mg/Kg	100	11/29/2005
Chromium	68	1.0		mg/Kg	1	11/29/2005
Cobalt	5.9	1.0		mg/Kg	1	11/29/2005
Copper	16	2.0		mg/Kg	1	11/29/2005
Iron	14000	1000		mg/Kg	100	11/29/2005
Lead	10	1.0		mg/Kg	1	11/29/2005
Manganese	650	10		mg/Kg	1	11/29/2005
Manganese	ND	1000		mg/Kg	100	11/29/2005
Molybdenum	ND	1.0		mg/Kg	1	11/29/2005
Nickel	8.2	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	35	1.0		mg/Kg	1	11/29/2005
Zinc	70	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
		EPA 1664_SGT/HEM (M)				
RunID: WETCHEM2_051129B	QC Batch: R56635			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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C0079905

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-017A

Client Sample ID: C11310-S17
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129C	QC Batch: 25580			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	110	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	ND	1.0		mg/Kg	1	11/29/2005
Calcium	8100	1000		mg/Kg	100	11/29/2005
Chromium	46	1.0		mg/Kg	1	11/29/2005
Cobalt	7.3	1.0		mg/Kg	1	11/29/2005
Copper	23	2.0		mg/Kg	1	11/29/2005
Iron	16000	1000		mg/Kg	100	11/29/2005
Lead	16	1.0		mg/Kg	1	11/29/2005
Manganese	390	10		mg/Kg	1	11/29/2005
Manganese	ND	1000		mg/Kg	100	11/29/2005
Molybdenum	ND	1.0		mg/Kg	1	11/29/2005
Nickel	11	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	32	1.0		mg/Kg	1	11/29/2005
Zinc	100	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129B	QC Batch: R56635			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	ND	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-018A

Client Sample ID: SA11319S18
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**(EPA 3050B)**			**EPA 6010B**	
RunID: ICP6_051129C	QC Batch: 25580				PrepDate: 11/28/2005	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	210	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	1.2	1.0		mg/Kg	1	11/29/2005
Calcium	51000	1000		mg/Kg	100	11/29/2005
Chromium	490	1.0		mg/Kg	1	11/29/2005
Cobalt	8.1	1.0		mg/Kg	1	11/29/2005
Copper	140	2.0		mg/Kg	1	11/29/2005
Iron	48000	1000		mg/Kg	100	11/29/2005
Lead	62	1.0		mg/Kg	1	11/29/2005
Manganese	4900	1000		mg/Kg	100	11/29/2005
Molybdenum	6.4	1.0		mg/Kg	1	11/29/2005
Nickel	43	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	ND	1.0		mg/Kg	1	11/29/2005
Vanadium	100	1.0		mg/Kg	1	11/29/2005
Zinc	440	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS				**EPA 1664_SGT/HEM (M)**		
RunID: WETCHEM2_051129B	QC Batch: R56635				PrepDate:	Analyst: **MFP**
Total Petroleum Hydrocarbons	220	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-019A

Client Sample ID: SC21322S19
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129C	QC Batch: 25580			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	4.1	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	480	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	2.8	1.0		mg/Kg	1	11/29/2005
Calcium	120000	1000		mg/Kg	100	11/29/2005
Chromium	1100	1.0		mg/Kg	1	11/29/2005
Cobalt	43	1.0		mg/Kg	1	11/29/2005
Copper	230	2.0		mg/Kg	1	11/29/2005
Iron	77000	1000		mg/Kg	100	11/29/2005
Lead	100	1.0		mg/Kg	1	11/29/2005
Manganese	13000	1000		mg/Kg	100	11/29/2005
Molybdenum	29	1.0		mg/Kg	1	11/29/2005
Nickel	120	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	5.5	1.0		mg/Kg	1	11/29/2005
Vanadium	180	1.0		mg/Kg	1	11/29/2005
Zinc	610	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129B	QC Batch: R56635			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	160	50		mg/Kg	1	11/29/2005

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT: Department of Toxic Substances Control
Lab Order: 080238
Project: HMV8544
Lab ID: 080238-020A

Client Sample ID: SC31328S20
Collection Date: 11/21/2005
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129C	QC Batch: 25580			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	280	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	4.6	1.0		mg/Kg	1	11/29/2005
Calcium	58000	1000		mg/Kg	100	11/29/2005
Chromium	340	1.0		mg/Kg	1	11/29/2005
Cobalt	7.8	1.0		mg/Kg	1	11/29/2005
Copper	190	2.0		mg/Kg	1	11/29/2005
Iron	48000	1000		mg/Kg	100	11/29/2005
Lead	96	1.0		mg/Kg	1	11/29/2005
Manganese	6100	1000		mg/Kg	100	11/29/2005
Molybdenum	6.0	1.0		mg/Kg	1	11/29/2005
Nickel	41	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	1.2	1.0		mg/Kg	1	11/29/2005
Vanadium	82	1.0		mg/Kg	1	11/29/2005
Zinc	530	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051129B	QC Batch: R56635			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	220	50		mg/Kg	1	11/29/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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C0079905

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT:	Department of Toxic Substances Control	**Client Sample ID:**	SC11330S21
Lab Order:	080238		
Project:	HMV8544	**Collection Date:**	11/21/2005
Lab ID:	080238-021A	**Matrix:**	SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129A	QC Batch: 25581			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	240	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	2.0	1.0		mg/Kg	1	11/29/2005
Calcium	53000	1000		mg/Kg	100	11/29/2005
Chromium	370	1.0		mg/Kg	1	11/29/2005
Cobalt	11	1.0		mg/Kg	1	11/29/2005
Copper	160	2.0		mg/Kg	1	11/29/2005
Iron	73000	1000		mg/Kg	100	11/29/2005
Lead	120	1.0		mg/Kg	1	11/29/2005
Manganese	5300	1000		mg/Kg	100	11/29/2005
Molybdenum	4.5	1.0		mg/Kg	1	11/29/2005
Nickel	33	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	1.6	1.0		mg/Kg	1	11/29/2005
Vanadium	79	1.0		mg/Kg	1	11/29/2005
Zinc	470	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
				EPA 1664_SGT/HEM (M)		
RunID: WETCHEM2_051125B	QC Batch: R56615			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	50	50		mg/Kg	1	11/25/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT:	Department of Toxic Substances Control	**Client Sample ID:**	SB21334S22
Lab Order:	080238		
Project:	HMV8544	**Collection Date:**	11/21/2005
Lab ID:	080238-022A	**Matrix:**	SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS (EPA 3050B) EPA 6010B						
RunID: ICP6_051129A	QC Batch: 25581			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	330	1.0		mg/Kg	1	11/29/2005
Beryllium	ND	1.0		mg/Kg	1	11/29/2005
Cadmium	1.6	1.0		mg/Kg	1	11/29/2005
Calcium	80000	1000		mg/Kg	100	11/29/2005
Chromium	670	1.0		mg/Kg	1	11/29/2005
Cobalt	9.0	1.0		mg/Kg	1	11/29/2005
Copper	350	2.0		mg/Kg	1	11/29/2005
Iron	73000	1000		mg/Kg	100	11/29/2005
Lead	88	1.0		mg/Kg	1	11/29/2005
Manganese	8900	1000		mg/Kg	100	11/29/2005
Molybdenum	53	1.0		mg/Kg	1	11/29/2005
Nickel	390	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	3.0	1.0		mg/Kg	1	11/29/2005
Vanadium	120	1.0		mg/Kg	1	11/29/2005
Zinc	580	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS EPA 1664_SGT/HEM (M)						
RunID: WETCHEM2_051125B	QC Batch: R56615			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	100	50		mg/Kg	1	11/25/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

Date: *30-Nov-05*

CLIENT:	Department of Toxic Substances Control	**Client Sample ID:**	SB11341S23
Lab Order:	080238		
Project:	HMV8544	**Collection Date:**	11/21/2005
Lab ID:	080238-023A	**Matrix:**	SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP6_051129A	QC Batch: 25581			PrepDate: 11/28/2005		Analyst: **RQ**
Antimony	2.7	2.0		mg/Kg	1	11/29/2005
Arsenic	ND	1.0		mg/Kg	1	11/29/2005
Barium	240	1.0		mg/Kg	1	11/29/2005
Beryllium	6.6	1.0		mg/Kg	1	11/29/2005
Cadmium	4.1	1.0		mg/Kg	1	11/29/2005
Calcium	71000	1000		mg/Kg	100	11/29/2005
Chromium	830	1.0		mg/Kg	1	11/29/2005
Cobalt	14	1.0		mg/Kg	1	11/29/2005
Copper	720	2.0		mg/Kg	1	11/29/2005
Iron	78000	1000		mg/Kg	100	11/29/2005
Lead	140	1.0		mg/Kg	1	11/29/2005
Manganese	7100	1000		mg/Kg	100	11/29/2005
Molybdenum	14	1.0		mg/Kg	1	11/29/2005
Nickel	58	1.0		mg/Kg	1	11/29/2005
Selenium	ND	1.0		mg/Kg	1	11/29/2005
Silver	ND	1.0		mg/Kg	1	11/29/2005
Thallium	1.7	1.0		mg/Kg	1	11/29/2005
Vanadium	120	1.0		mg/Kg	1	11/29/2005
Zinc	910	1.0		mg/Kg	1	11/29/2005
TOTAL PETROLEUM HYDROCARBONS						
		EPA 1664_SGT/HEM (M)				
RunID: WETCHEM2_051125B	QC Batch: R56615			PrepDate:		Analyst: **MFP**
Total Petroleum Hydrocarbons	210	50		mg/Kg	1	11/25/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interferen
H - Sample exceeded analytical holding time
E - Value above quantitation range
R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

THE LEU GROUP
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January 27, 2006

Florence Gharibian
Branch Chief
Statewide Compliance Division
Department of Toxic Substances Control
1011 North Grandview Avenue
Glendale, CA 91201

Subject: Remediation Completion Report for Surface Soils Impacted By Heavy Metals Located North of Pad 16, TAMCO Steel, Rancho Cucamonga, CA

Dear Mrs. Gharibian,

This letter-report presents to you the results of a soil remediation effort conducted at the TAMCO Steel site. The objective of the soil remediation effort was: 1) to delineated the extent of impacted soils, 2) to remove, containerize and dispose of such impacted soils as hazardous waste, 3) to characterize the remaining soils and, if meeting the cleanup criteria, 4) to bring the area back to grade with clean slag.

Introduction/Project Background

On January 20, 2005, the Department of Toxic Substances Control (DTSC) conducted a site visit of the TAMCO Steel (TAMCO) facility, located at 12459 Arrow Highway, Rancho Cucamonga, CA (**Figure 1**). During that visit DTSC collected a number of surface samples in and around TAMCO's scrap metal storage area. The results of that sampling effort showed an area of soil, located just north of scrap piles 12 and 16 (**Figure 2**) that was impacted with selected heavy metals above hazardous waste classification criteria. Once informed of

DTSC's sampling results, TAMCO, and its consulting firm, The Leu Group, began a series of discussions with the agency on how to best address DTSC's findings.

During a meeting with DTSC held on October 20, 2005, a plan of action was agreed to by both parties. This agreement was captured in a memo sent to Florence Gharibian (DTSC) by David Leu (The Leu Group) on October 25, 2005 (**Attachment 1**). That memo served as a action plan which defined the program to remove impacted soils and demonstrate that the remaining soils met the agreed upon cleanup criteria.

Site Description

The TAMCO site is located at 12459 Arrow Highway, Rancho Cucamonga, California. The site is located approximately 4 miles northeast of the Ontario Airport and 0.5 miles northwest of the former Kaiser Steel facility. The TAMCO facility operations are dedicated to the recycling of scrap metals for the production of steel-reinforcing bars (rebar) that are utilized in reinforced concrete structures.

As shown in **Figure 1**, the site is located in an industrial setting. Facilities located adjacent to the site include steel and concrete pile fabrication shops, a scrap metal processor, and a power plant. The nearest residence is approximately one half mile northeast of the subject property.

The TAMCO site encompasses approximately 60 acres, including an access road from Arrow Highway. Based on the U.S.G.S Guasti, California 7.5-minute topographic map, the site is at an elevation of approximately 1,140 feet above mean sea level (msl). It slopes from north to south, with a change of elevation across of the site of approximately 10 feet. Site structures at the facility include an office building, a furnace building, a baghouse, a rolling mill, maintenance shops, cooling towers, rail spurs, and storage yards.

The facility was constructed in 1956 and operated as Etiwanda Steel Producers. The products were coiled rebar made from ingots and straight reinforcing bar (rebar) made from billets. Later the plant was named Ameron Steel & Wire. In 1976, the Melt Shop was built by a consortium of Ameron, Tokyo Steel and Mitsui Corporation and called TAMCO. TAMCO made and sold billets to Ameron Steel & Wire to be finished into straight rebar. In 1983, both the Melt Shop and Roll Mill became TAMCO. The sole product from TAMCO was and still is straight rebar.

Shredded steel scrap, much of it from automobiles, is delivered to the TAMCO site as raw material. Upon entering the site, truckloads of scrap metal are surveyed for radioactive materials. The scrap metal is then inspected and separated into various piles and kept as inventory on concrete pads until it is ready to be processed. Prior to being recycled, the steel scrap is spread out on

the concrete pads and checked for anomalous objects. The scrap is then loaded into charge buckets that are hoisted to the furnace where the scrap is melted. After the steel is molten, it is poured from a large bucket and shaped into steel billets that are used as raw material for the rolling mill. At the rolling mill, billets are heated and pressed into rebar.

Remediation Objectives

The remediation objectives were established with DTSC. They were defined to be the identification and removal of impacted soils and the demonstration that any remaining soils meet the agreed upon cleanup levels.

Cleanup Levels

Three numeric sets of cleanup levels were established to define clean soils. These were:

1. Total Threshold Limit Concentrations (TTLC) to be less than hazardous waste criteria of inorganics;
2. Soluble Threshold Limit Concentrations (STLC) to be less than hazardous waste criteria for inorganics;
3. The exposure point concentration calculated using the Cal EPA Preliminary Remediation Goals (PRGs) for inorganics.

The TTLC and STLC criteria are applied to each sample. The PRG exposure point concentration criteria are applied following the PRG guidance, which states:

> "For commercial/industrial properties, soil sample data can be averaged within affected areas of open spaces."[1]

The exposure point concentration is the lesser of the maximum-detected concentration and the 95% upper confidence limit (UCL) of the arithmetic mean of sample data.[2]

The specific constituents and their respective cleanup levels are shown in **Table 1**.

---

[1] Page 2-5, Step 6 in "Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties", California Environmental Protection Agency, January 2005.
[2] Ibid, page 2-4, Step 6.

inches of soils from grids A-9 and A-5. These soils were placed on the concrete pad and the obvious impacted soils shoveled into Drop-off Box #2 and managed as hazardous waste. The remaining small amount of soil within each pile (approximate 1 cubic yard each) was sampled and the samples were sent to Associated Laboratory for analysis.

After receiving the laboratory results, it was thought that the RXF analysis was a reasonable screening tool but, in general, seemed to report higher results when compared to the analytical results being reported by the laboratory. Based on this belief, Drop off box #1 (which contained the deeper level soils as compared to Drop off box #2 which contained the surface soils) was sampled following SW-846 protocol to determine if those soils failed the established cleanup criteria.

Once all analytical results were reviewed, those soils that passed the cleanup criteria were returned to the excavation as backfill. A small amount of clean slag was used to bring the area to grade. Soils contained in Drop-off Box #2 were managed as hazardous waste and were disposed of at U.S. Ecology, of Beatty, Nevada, using a registered hauler and under a hazardous waste manifest. A copy of the manifest is contained in **Attachment 3**. Because the weight of the soils in Drop-off Box #2, was approximately 50,000 pounds, half of the material was transferred to a second drop-off box and both were shipped under to US. Ecology under Manifest # 22863575.

It should be noted that in order to preclude these soils from becoming recontaminated in the future, TAMCO has paved the dirt area to the north of the concrete pad with asphalt.

Laboratory Analysis

All soil samples collected were submitted to Associated Laboratory, in Anaheim, California. Associated Laboratory is a state certified laboratory. As samples were collected, they were placed on ice in a cooler. At the end of the day they were transported to the laboratory under a chain of custody sheet. All samples were submitted for total heavy metal (TTLC) analysis using EPA Methods 6010B and 7471A. Based on previous sample results obtained by DTSC and by TAMCO, it was determined that hexavalent chromium is not present in TAMCO's scrap metal piles, so hexavalent chromium was not analysis for.

Samples that yielded TTLC values greater than 10 times of the STLC criteria were also analyzed for STLC using the Waste Extraction Test (WET)[3]. The one sample that had the highest total chromium was analyzed using the federal toxicity characteristic leaching procedure (TCLP). This was done to determine which total chromium STLC criteria (5 or 560 mg/L) was applicable. Because the

[3] The Waste Extraction Test, which is used to determine the STLC values, uses a volume of extract that is 10 times the weight of the sample. Therefore, if all of the analyte in the sample was extracted, a maximum of one tenth of its concentration as a solid (i.e., the TTLC value) would be detected in the extract.

TCLP result was less than 5.0 mg/L, the 560 mg/L STCL value was determined to be applicable based on 22 CCR 66261.24.

Four samples from the floor of the excavation area were selected using a random number generator and analyzed for total petroleum hydrocarbons (TPH) using EPA Method 8015M-ccid. One sample and its duplicate taken from the soil pile were also analyzed for TPH.

Results

The results of the laboratory analyses are summarized in **Tables 2 – 13.** The Laboratory Reports and chain of custody sheets are contained in **Attachment 4.**

All samples were analyzed for TTLC metals. Only those analytes that exceeded 10 times the STLC criterion were analyzed for STLCs. For those analytes that did not exceed 10 times their respective STLC, their soluble concentrations were calculated by dividing the TTLC by 10. While this is a conservative position to take, it resulted in significant cost savings.

Table 2 summarizes the TTLC results from the footprint of the excavation. As shown, all samples passed the TTLC criteria. However, a number of samples failed the 10 times the STLC screening values and analytes from selected samples required the additional WET analysis for STLC determination. **Table 3** shows the results of the WET analysis for those samples. **Table 4** combines that WET analysis results with the calculated soluble concentrations.

Two samples, A-5 and A-9, failed the STLC cleanup criteria. Based on these results, additional soils were excavated from grids A-5 and A-9, respectively. Once the additional soils were removed, a new sample was collected from each grid and analyzed. Sample A10 represented the new sample from grid A-9 and Sample A-11 represented the new sample from grid A-5. The results of these two new samples are shown in **Table 5.**

Once the additional soils were excavated from grids A-5 and A-9, they were placed in two small piles (less than one cubic yard, each) on the adjacent concrete pad. The obvious areas with contamination were shoveled into Drop Off Box #2 for disposal as hazardous waste and the remaining soils were resampled. Each pile of soil contained less than a cubic yard of soil. The results of the samples taken from each pile are shown in **Table 5**. As shown, the soil piles passed TTLC and STLC cleanup criteria.

Table 6 presents the TTLC results from the samples taken from the soil pile that was created from the excavation of the impacted area after the upper few inches were scrapped off and placed into the drop off boxes. All samples passed the TTLC cleanup criteria but a few analytes within each sample did not pass the 10

times STLC screening values. Therefore, the WET analysis was conducted on those analytes. The resulting soluble results are reported in **Table 7**. As show in **Table 7**, all samples passed the STLC cleanup criteria.

The results of samples taken from Drop Off Box #1 are presented in **Table 8**. Inspection of these results shows all samples passed the TTLC cleanup criteria but selected analytes in each sample failed the 10 times STLC screening values. These analytes were subjected to the WET analysis and their resulting STLC values are reported in **Table 9**. As shown, all samples passed the STLC cleanup criteria.

Prior to backfilling the excavation area with those soils that passed the TTLC and STLC cleanup criteria, the excavation samples and the soil samples representing the soils to be used as backfill were analyzed and compared to the Cal EPA PRGs. **Tables 10, 11** and **12** present the results of the PRG analyses based on the footprint samples, the soil pile samples and the Drop Off Box #1 soils respectively. As shown, each of these backfill sources also passed the PRG criteria.

Because these backfill sources each passed all three of the cleanup criteria, they were returned to the excavation area and used as backfill. Clean crushed slag was then used to bring the site the grade.

Table 13 presents the results of TPH analysis on the six samples analyzed. No TPH was detected in the gasoline (C6 – C12) or diesel (C12 – C22) ranges. Only trace amounts were detected in the motor oil or beyond (C22 – C36) range. The maximum concentration reported was 72 mg/kg in sample SA2.

Conclusions

Based on sampling conducted in January 2005 by DTSC, an unpaved area to the north of Pads 12 and 16 (**Figure 2**) was determined to have been impacted by selected heavy metals that exceeded hazardous waste classification levels. To restore this area to pre-impact conditions, a remediation project was negotiated with DTSC and then implemented. The remediation project consisted of scrapping off the upper few inches of soil and placing it into a 10 cubic yard drop off box. Additional soils were also scrapped off and placed into a second 10 cubic yard drop off box. The next foot or so of soil was then excavated and placed into a single pile located on a concrete pad. The excavation area, the soil pile and the second drop off box were then sampled to determine if enough soil had been removed and to see if the soils were impacted or could be returned to the excavation area as clean fill.

Once the analytical results were received, it was determined that soils within two grids of the excavation area (grids A-5 and A-9), failed the STLC cleanup criteria for lead. Therefore, additional soils were excavated from there grids and placed

on the adjacent concrete pad. From these piles, the obviously impacted soils were placed into Drop-off Box #2, which held soils that were being managed as hazardous waste. The residual soils were sampled and analyzed, along with the bottom of grids A-4 and A-9. Analysis of these soils showed the soils to be under the established cleanup criteria.

Once it was determined that the excavation area and the remaining soils met the established cleanup criteria, the excavation phase of the project was terminated. The solis that met the cleanup criteria were used as clean fill to backfill the excavation. A small amount of crushed slag was used to bring the area to grade. After the area was restored, TAMCO made a decision to asphalt the entire dirt area to the north of the concrete pad to preclude these soils from being coming contaminated in the future. The paving has been completed and the area no longer has any soils that could come into contact with scrap metal.

The soils that were placed into the first drop off box (labeled as Drop-off Box #2) were managed as hazardous waste by TAMCO and disposed of at US Ecology in Beatty, Nevada using a registered hauler and under manifest.

If you have any questions or comments regarding this letter report or the remediation project itself, please contact Dr. Leu at the letterhead address or telephone number.

Sincerely,

David J. Leu, Ph. D.
President
The Leu Group

Mark Slatten, R.G.
The Leu Group
Director of Field Operations

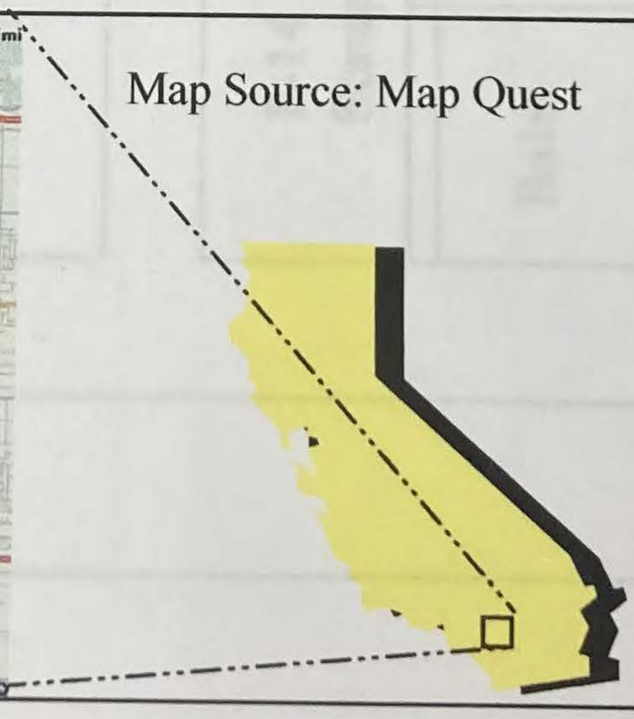


Attachments



Aerial Photograph Source: Google Earth.com

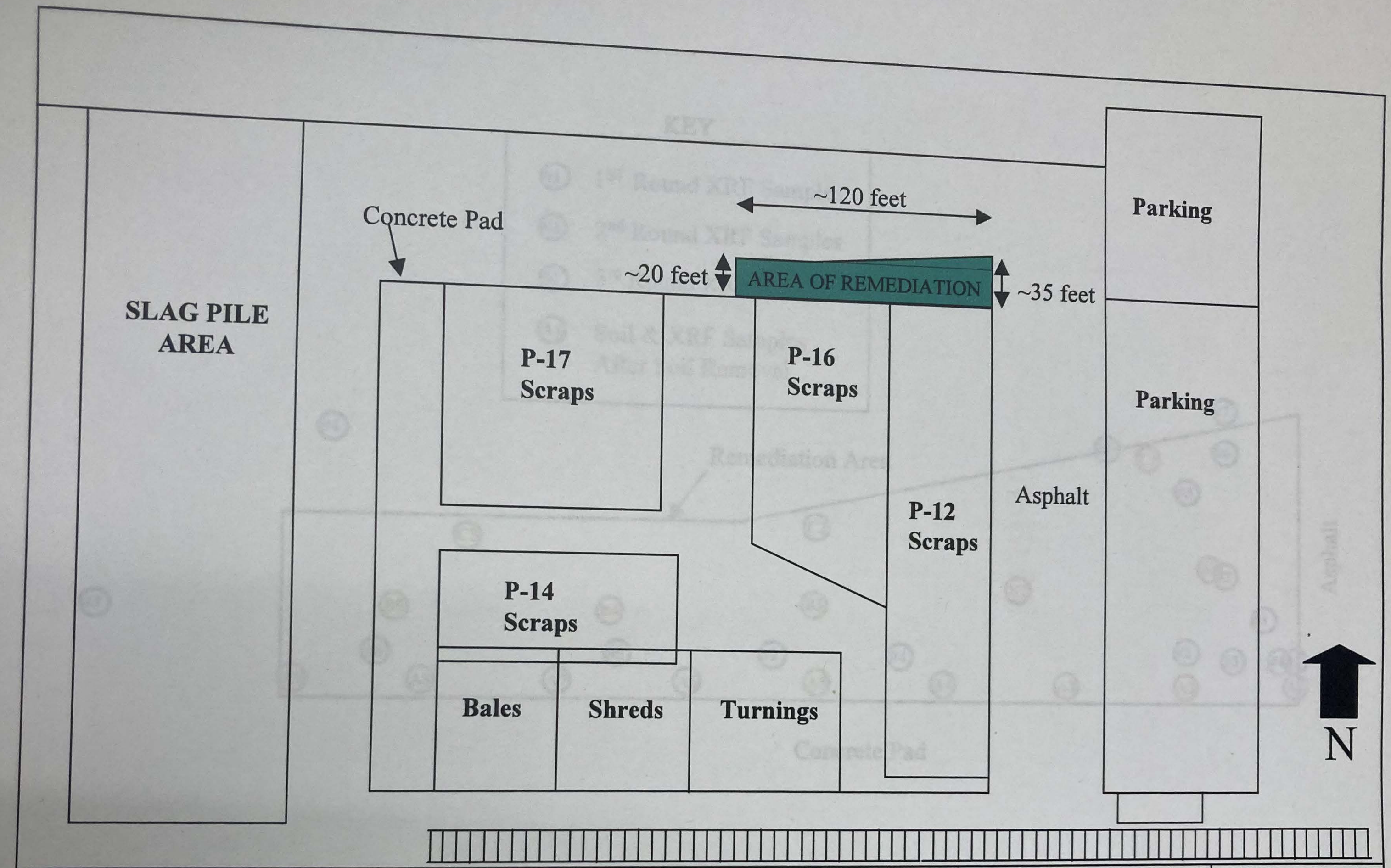


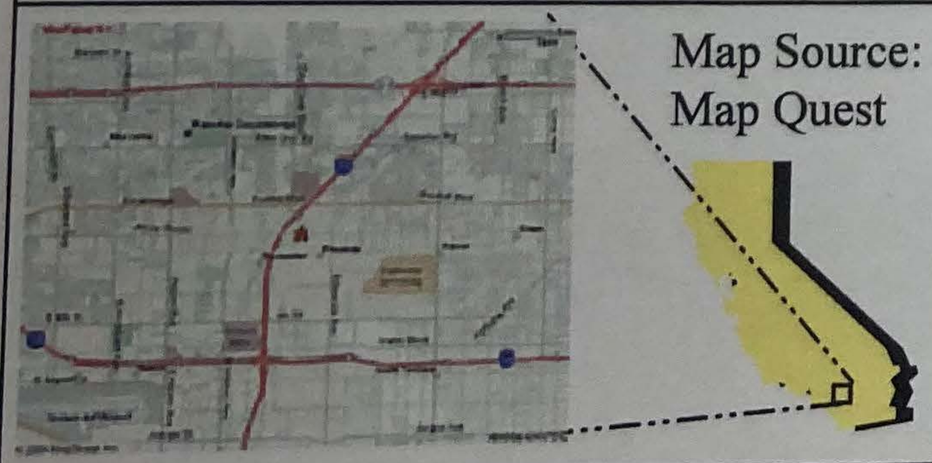


Map Source: Map Quest

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THE LEU GROUP 33725 MAGELLAN ISLE MONARCH BEACH, CA 92629 PHONE: (949) 248-5873 FAX: (949) 248-8785	**SITE LOCATION MAP** **TAMCO STEEL** **12459 ARROW HIGHWAY** **RANCHO CUCAMONGA, CA**
	Figure: **1** Project: TAMCO TURNINGS





Map Source:
Map Quest

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LOCATION OF REMEDIATION AREA

Figure: **2**

TAMCO STEEL
12459 ARROW HIGHWAY
RANCHO CUCAMONGA, CA

Project:
TAMCO
TURNINGS

KEY

#1 1ST Round XRF Samples

#1 2nd Round XRF Samples

#1 3rd Round XRF Samples

A1 Soil & XRF Samples After Soil Removal

Remediation Area

Asphalt

Concrete Pad



Map Source: Map Quest

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XRF AND SOIL SAMPLING LOCATIONS

Figure: **3**

TAMCO STEEL
12459 ARROW HIGHWAY
RANCHO CUCAMONGA, CA

Project:
TAMCO TURNINGS

TABLE 1

CONSTITUENTS OF CONCERN AND THEIR RESPECTIVE CLEANUP CRITERIA

Constituents	TTLC*1 (mg/kg)	STLC*1 (mg/L)	Industrial PRGs*2 (mg/kg)
Antimony	500	15	380
Arsenic	500	5	0.24
Barium	10000	100	63000
Beryllium	75	0.75	1700
Cadmium	100	1	7.5
Chromium	2500	25	100000
Cobalt	8000	5	3200
Copper	2500	25	38000
Lead	1000	5	3500
Molybdenum	3500	350	48000
Nickel	2000	20	16000
Selenium	100	1	4800
Silver	500	5	4800
Thallium	700	7	63
Vanadium	2400	24	67000
Zinc	5000	250	100000
Mercury	20	0.2	180

*1 - as applied to each sample

*2 - as applied over the area

TABLE 2

TTLC RESULTS FROM EXCAVATION FOOTPRINT

Analyte	TTLC	10xSTLC	A-1	A-2	A-3	A-4	A-5	A-6	A-7	A-8	A-9
Antimony	**500**	**150**	8.05	0.825	3.79	4.15	7.71	1.63	1.44	1.30	11.2
Arsenic	**500**	**50**	ND	ND	ND	ND	0.826	ND	ND	ND	2.60
Barium	**10000**	**1000**	92.2	62.3	136	93.5	161	87.8	76.3	86.0	418
Beryllium	**75**	**7.5**	0.377	0.314	0.512	0.295	0.371	0.388	0.386	0.372	1.03
Cadmium	**100**	**10**	1.06	0.243	1.36	4.27	2.79	0.476	0.255	0.265	8.35
Chromium	**2500**	**5600*1**	34.8	10.3	143	114	210	27.7	11.4	11.6	551
Cobalt	**8000**	**800**	7.13	5.49	7.30	8.26	9.70	6.59	6.61	6.40	19.4
Copper	**2500**	**250**	68.0	5.04	82.8	71.9	152	19.5	5.45	7.10	**589**
Lead	**1000**	**50**	26.4	7.87	47.4	**60.8**	**106**	22.7	7.60	8.68	**352**
Mercury	**20**	**2**	0.35	ND	ND	0.24	ND	ND	ND	ND	0.53
Molybdenum	**3500**	**350**	4.93	ND	3.52	3.40	8.30	0.713	ND	ND	22.0
Nickel	**2000**	**200**	15.9	8.51	26.3	28.6	46.6	12.7	7.83	7.97	82.7
Selenium	**100**	**10**	ND	ND	ND	ND	ND	2.42	ND	1.55	ND
Silver	**500**	**50**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	**700**	**70**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	**2400**	**240**	40.0	27.0	49.5	37.9	50.5	33.9	32.3	32.6	155
Zinc	**5000**	**250**	175	45.0	294	586	550	119	47.6	51.0	2100

***1 Based on a TCLP of less than 5.0 mg/L**

Denote excedence of 10XSTLC and required WET analysis

Denotes excedence of the TTLC based cleanup criteria

10xSTLC is a screening tool used to determine when a sample has the potential to fail the STLC.

Units in mg/kg

TABLE 2

TTLC RESULTS FROM EXCAVATION FOOTPRINT

Analyte	TTLC	10xSTLC	B-1	B-1 Duplicate	B-2	B-3	B-4	B-5	C-1	C-2	C-3
Antimony	500	150	ND	1.35	6.38	8.68	20.8	2.22	13.3	2.28	1.74
Arsenic	500	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	10000	1000	85.9	81.4	130	228	466	184	168	120	91.3
Beryllium	75	7.5	0.412	0.321	0.501	0.651	1.14	0.548	0.633	0.775	0.393
Cadmium	100	10	0.274	0.298	0.860	1.62	2.11	0.688	13.7	0.456	0.631
Chromium	2500	5600*1	11.2	10.8	340	373	857	98.8	346	62.5	30.5
Cobalt	8000	800	6.18	6.09	7.42	6.86	6.96	6.25	8.84	7.72	7.08
Copper	2500	250	6.19	6.71	43.7	83.8	198	56.3	179	45.2	22.0
Lead	1000	50	16.1	15.6	30.0	**68.3**	**63.7**	28.4	**80.4**	15.6	14.7
Mercury	20	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	3500	350	ND	ND	6.33	6.22	10.4	1.72	10.1	0.513	0.601
Nickel	2000	200	9.98	9.52	101	58.6	50.4	15.9	64.9	11.4	12.1
Selenium	100	10	ND	ND	ND	ND	ND	1.93	ND	2.00	ND
Silver	500	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	700	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2400	240	31.1	29.3	57.3	83.6	214	49.0	86.5	44.3	31.3
Zinc	5000	250	54.5	57.4	175	385	450	158	573	101	78.2

***1 Based on a TCLP of less than 5.0 mg/L**

Denote excedence of 10XSTLC and required WET analysis

Denotes excedence of the TTLC based cleanup criteria

10xSTLC is a screening tool used to determine when a sample has the potential to fail the STLC.

Units in mg/kg

TABLE 3

STLC RESULTS FOR FOOTPRINT OF EXCAVATION

Sample ID	Analyte	STLC	Result	Units
A-4	Lead, STLC	5.0	3.81	mg/L
A-5	Lead, STLC	5.0	**6.36**	mg/L
A-9	Copper, STLC	25	0.564	mg/L
A-9	Lead, STLC	5.0	**13.7**	mg/L
B-3	Lead, STLC	5.0	2.60	mg/L
B-4	Lead, STLC	5.0	0.488	mg/L
C-1	Lead, STLC	5.0	2.25	mg/L

Denotes excedence of cleanup criterion

TABLE 4

STLC RESULTS FROM THE EXCAVATION AREA

Constituents	STLC (mg/L)	A-1	A-2	A-3	A-4	A-5	A-6	A-7	A-8	A-9	B-1	B-1 Dup	B-2	B-3	B-4	B-5	C-1	C-2	C-3
Antimony	15	0.81	0.08	0.38	0.42	0.77	0.16	0.14	0.13	1.12	ND	0.14	0.64	0.87	2.08	0.22	1.33	0.23	0.17
Arsenic	5	ND	ND	ND	ND	0.08	ND	ND	ND	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	100	9,22	6.23	13.60	9.35	16.10	8.78	7.63	8.60	41.80	8.59	8.14	13.00	22.80	46.60	18.40	16.80	12.00	9.13
Beryllium	0.75	0.04	0.03	0.05	0.03	0.04	0.04	0.04	0.04	0.10	0.04	0.03	0.05	0.07	0.11	0.05	0.06	0.08	0.04
Cadmium	1	0.11	0.02	0.14	0.43	0.28	0.05	0.03	0.03	0.84	0.03	0.03	0.09	0.16	0.21	0.07	0.14	0.05	0.06
Chromium*1	560	3.48	1.03	14.30	11.40	21.00	2.77	1.14	1.16	55.10	1.12	1.08	34.00	37.30	85.70	9.88	34.60	6.25	3.05
Cobalt	5	0.71	0.55	0.73	0.83	0.97	0.66	0.66	0.64	1.94	0.62	0.61	0.74	0.69	0.70	0.63	0.88	0.77	0.71
Copper	25	6.80	0.50	8.28	7.19	15.20	1.95	0.55	0.71	**0.564**	0.62	0.67	4.37	8.38	19.80	5.63	17.90	4.52	2.20
Lead	5	2.64	0.79	4.74	**3.81**	**6.36**	2.27	0.76	0.87	**13.7**	1.61	1.56	3.00	**2.60**	**0.488**	2.84	**2.25**	1.56	1.47
Molybdenum	350	0.49	ND	0.35	0.34	0.83	0.07	ND	ND	2.20	ND	ND	0.63	0.62	1.04	0.17	1.01	0.05	0.06
Nickel	20	1.59	0.85	2.63	2.86	4.66	1.27	0.78	0.80	8.27	1.00	ND	10.10	5.86	5.04	1.59	6.49	1.14	1.21
Selenium	1	ND	ND	ND	ND	ND	0.24	ND	0.16	ND	ND	0.95	ND	ND	ND	0.19	ND	0.20	ND
Silver	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	24	4.00	2.70	4.95	3.79	5.05	3.39	3.23	3.26	15.50	3.11	ND	5.73	8.36	21.40	4.90	8.65	4.43	3.13
Zinc	250	17.50	4.50	29.40	58.60	55.00	11.90	4.76	5.10	210.00	5.45	2.93	17.50	38.50	45.00	15.80	57.30	10.10	7.82
Mercury	0.2	0.04	ND	ND	0.02	ND	ND	ND	ND	0.05	ND	5.74	ND	ND	ND	ND	ND	ND	ND

*1 STLC for chromium is 560 mg/kg when the TLCP is less than 5
The TCLP for sample B-4, which had the highest TTLC chromium concentration of all samples was only 0.061 mg/L.

Soluble values were based on either dividing the TTLC value by 10 or conducting the Waste Extraction Test (WET) and reporting the resultant STLC value. The WET based STLC values are **bold.**

6.36 Represents a vlaue that exceeds the STLC criteria

All units in mg/L

TABLE 5

TTLC RESULTS FROM A10, A11 AND THEIR RESPECTIVE SOIL PILES

Analyte	TTLC	10xSTLC	A10	A11	A10 Soil Pile	A11 Soil Pile
Antimony	**500**	**150**	ND	ND	ND	ND
Arsenic	**500**	**50**	ND	ND	ND	ND
Barium	**10000**	**1000**	79.3	104	83.3	82.5
Beryllium	**75**	**7.5**	ND	0.572	0.531	0.497
Cadmium	**100**	**10**	ND	0.989	ND	0.369
Chromium	**2500**	**5600*1**	15.5	67.3	17.7	33.5
Cobalt	**8000**	**800**	7.66	8.18	7.28	6.46
Copper	**2500**	**250**	8	206	8.19	11.4
Lead	**1000**	**50**	12.5	46.1	13.1	19.4
Mercury	**20**	**2**	ND	ND	ND	ND
Molybdenum	**3500**	**3500**	9.18	0.834	ND	ND
Nickel	**2000**	**200**	ND	23.5	9.9	11.8
Selenium	**100**	**10**	ND	ND	ND	ND
Silver	**500**	**50**	ND	ND	ND	ND
Thallium	**700**	**70**	ND	ND	ND	ND
Vanadium	**2400**	**240**	40.1	39.6	42.6	38.7
Zinc	**5000**	**2500**	57.7	271	61.5	98.6

***1 Based on a TCLP of less than 5.0 mg/L**

Denote excedence of 10XSTLC and required WET analysis

Denotes excedence of the TTLC based cleanup criteria

10xSTLC is a screening tool used to determine when a sample has the potential to fail the STLC.

Units in mg/kg

TABLE 6

TTLC RESULTS FROM SOIL PILE

Analyte	TTLC	10xSTLC	SB1	SB1 Duplicate	SA2	SA2 Duplicate	SB2	SC3
Antimony	**500**	**150**	8.72	8.42	19.6	21.0	15.8	7.06
Arsenic	**500**	**50**	ND	ND	ND	ND	ND	ND
Barium	**10000**	**1000**	163	163	388	369	243	121
Beryllium	**75**	**7.5**	0.809	0.629	1.19	1.11	0.644	0.547
Cadmium	**100**	**10**	2.47	2.17	2.96	3.01	2.43	1.58
Chromium	**2500**	**5600*1**	272	238	734	816	690	205
Cobalt	**8000**	**800**	11.5	9.12	9.50	10.6	11.4	8.34
Copper	**2500**	**250**	**777**	153	195	**260**	**294**	68.7
Lead	**1000**	**50**	**133**	**86.8**	**97.2**	**88.5**	**116**	**54.3**
Mercury	**20**	**2**	ND	0.19	0.2	0.19	0.3	0.21
Molybdenum	**3500**	**350**	8.89	7.99	10.9	16.7	63.4	5.41
Nickel	**2000**	**200**	56.2	49.4	59.0	75.2	287	69.9
Selenium	**100**	**10**	ND	ND	ND	ND	ND	ND
Silver	**500**	**50**	ND	ND	ND	ND	ND	ND
Thallium	**700**	**70**	ND	ND	ND	ND	ND	ND
Vanadium	**2400**	**240**	71.7	67.6	169	166	96.1	43.1
Zinc	**5000**	**250**	461	458	559	651	602	269

***1 Based on a TCLP of less than 5.0 mg/L**

Denote excedence of 10XSTLC and required WET analysis

Denotes excedence of the TTLC based cleanup criteria

10xSTLC is a screening tool used to determine when a sample has the potential to fail the STLC.

Units in mg/kg

TABLE 7

STLC RESULTS FROM SOIL PILE

Sample ID	Analyte	STLC	Result	Units
SB1	Copper, STLC	25	1.42	mg/L
SB1	Lead, STLC	5	3.20	mg/L
SB1 Duplicate	Lead, STLC	5	1.77	mg/L
SA2	Lead, STLC	5	0.556	mg/L
SA2 Duplicate	Copper, STLC	25	0.10	mg/L
SA2 Duplicate	Lead, STLC	5	0.563	mg/L
SB2	Copper, STLC	25	1.72	mg/L
SB2	Lead, STLC	5	1.72	mg/L
SB2	Nickel, STLC	20	1.16	mg/L
SC3	Lead, STLC	5	4.71	mg/L

Denotes excedence of cleanup criterion

TABLE 8

TTLC RESULTS FROM DROP-OFF BOX #2

Analyte	TTLC	10xSTLC	Dropoff Bin #1	VS2	VS4	VS6
Antimony	**500**	**150**	24.1	23.1	20.1	18.8
Arsenic	**500**	**50**	ND	ND	ND	ND
Barium	**10000**	**1000**	320	330	334	319
Beryllium	**75**	**7.5**	0.809	1.07	0.980	0.690
Cadmium	**100**	**10**	3.63	4.90	4.54	4.39
Chromium	**2500**	**5600*1**	965	798	787	849
Cobalt	**8000**	**800**	20.4	14.6	14.0	16.3
Copper	**2500**	**250**	**390**	**644**	**1080**	**618**
Lead	**1000**	**50**	**181**	**169**	**194**	**172**
Mercury	**20**	**2**	0.24	0.28	0.36	0.30
Molybdenum	**3500**	**3500**	33.1	32.4	31.3	43.3
Nickel	**2000**	**200**	120	**226**	179	**250**
Selenium	**100**	**10**	ND	ND	ND	ND
Silver	**500**	**50**	ND	ND	ND	ND
Thallium	**700**	**70**	ND	ND	ND	ND
Vanadium	**2400**	**240**	140	140	157	138
Zinc	**5000**	**2500**	654	906	1230	970

***1 Based on a TCLP of less than 5.0 mg/L**

Denote excedence of 10XSTLC and required WET analysis

Denotes excedence of the TTLC based cleanup criteria

10xSTLC is a screening tool used to determine when a sample has the potential to fail the STLC.

Units in mg/kg

TABLE 9

STLC ANALYSES FOR SOIL IN DROP-OFF BOX #2

Sample ID	Analyte	STLC	Result	Units
VS 2	Copper, STLC	25	0.267	mg/L
VS 2	Lead, STLC	5	0.908	mg/L
VS 2	Nickel, STLC	0	2.24	mg/L
VS 4	Copper, STLC	25	0.409	mg/L
VS 4	Lead, STLC	5	0.920	mg/L
VS 6	Copper, STLC	25	0.101	mg/L
VS 6	Lead, STLC	5	0.837	mg/L
VS 6	Nickel, STLC	20	1.73	mg/L

Denotes excedence of cleanup criterion

TABLE 10

PRG RESULTS FOR SOILS IN THE BOTTOM OF THE EXCAVATION AREA

Compound	Cell A-1	Cell A-2	Cell A-3	Cell A-4	Cell A-5	Cell A-6	Cell A-7	Cell A-8	Cell A-9	Cell B-1	Cell B-2	Cell B-3	Cell B-4	Cell B-5	Cell C-1	Cell C-2	Cell C-3	Mean	UCL95	Industrial PRG	Result
Antimony	8.05	0.83	3.79	4.15	7.71	1.63	1.44	1.3	11.2	ND	6.38	8.68	20.8	2.22	13.3	2.28	1.74	5.6	7.4	500	Criterion Met
Arsenic	ND	ND	ND	ND	0.83	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	0.2	0.4	500	Criterion Met
Barium	92.2	62.3	136	93.5	161	87.8	76.3	86	418	85.9	130	228	466	184	168	120	91.3	158.0	195.6	10000	Criterion Met
Cadmium	1.06	0.24	1.36	4.27	2.79	0.48	0.26	0.27	8.35	0.27	0.86	1.62	2.11	0.69	13.7	0.46	0.63	2.3	3.5	100	Criterion Met
Chromium	34.8	10.3	143	114	210	27.7	11.4	11.6	551	11.2	340	373	857	98.8	346	62.5	30.5	190.2	266.7	2500	Criterion Met
Cobalt	7.13	5.49	7.3	8.26	9.7	6.59	6.61	6.4	19.4	6.18	7.42	6.86	6.96	6.25	8.84	7.72	7.08	7.9	8.9	8000	Criterion Met
Copper	68	5.04	82.8	71.9	152	19.5	5.45	7.1	589	6.19	43.7	83.8	198	56.3	179	45.2	22	96.2	141.7	2500	Criterion Met
Lead	26.4	7.87	47.4	60.8	106	22.7	7.6	8.68	352	16.1	30	68.3	63.7	28.4	80.4	15.6	14.7	56.3	82.7	410	Criterion Met
Mercury	0.35	ND	ND	0.24	ND	ND	ND	ND	0.53	ND	ND	ND	ND	ND	ND	ND	ND	0.1	0.1	20	Criterion Met
Molybdenium	4.93	ND	3.52	3.4	8.3	0.71	ND	ND	22	ND	6.33	6.22	10.4	1.72	10.1	0.51	0.60	4.6	6.5	3500	Criterion Met
Nickel	15.9	8.51	26.3	28.6	46.6	12.7	7.83	7.97	82.7	9.98	101	58.6	50.4	15.9	64.9	11.4	12.1	33.0	42.5	2000	Criterion Met
Selenium	ND	ND	ND	ND	ND	2.42	ND	1.55	ND	ND	ND	ND	ND	1.93	ND	2	ND	0.5	0.7	100	Criterion Met
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	0.0	500	Criterion Met
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	0.0	700	Criterion Met
Vanadium	40	27	49.5	37.9	50.5	33.9	32.3	32.6	155	31.1	57.3	83.6	214	49	86.5	44.3	31.3	62.1	78.4	2400	Criterion Met
Zinc	175	45	294	586	550	119	47.6	51	2100	54.5	175	385	450	158	573	101	78.2	349.5	509.0	5000	Criterion Met

Units in mg/kg

TABLE 11

PRG RESULTS FOR SOILS IN THE SOIL PILES

Compound	SB1	SC3	SA2	SB2	A10 Soil Pile	A11 Soil Pile	Mean	UCL_{95}	Industrial PRGs	Results
Antimony	8.72	7.06	19.6	15.8	ND	ND	8.53	**13.37**	**380**	**Criteria Met**
Arsenic	ND	ND	ND	ND	ND	ND	0.00	**0.00**	**0.24**	**Criteria Met**
Barium	163	121	388	243	83.3	82.5	199.66	**282.52**	**63,000**	**Criteria Met**
Beryllium	0.809	0.547	1.19	0.644	0.531	0.497	0.74	**0.93**	**1,700**	**Criteria Met**
Cadmium	2.47	1.58	2.96	2.43	ND	0.369	1.89	**2.69**	**8**	**Criteria Met**
Chromium (Total)	272	205	734	690	17.7	33.5	383.74	**599.18**	**100,000**	**Criteria Met**
Cobalt	11.5	8.34	9.5	11.4	7.28	6.46	9.60	**10.88**	**3,200**	**Criteria Met**
Copper	777	68.7	195	294	8.19	11.4	268.58	**477.77**	**38,000**	**Criteria Met**
Lead	133	54.3	97.2	116	13.1	19.4	82.72	**116.14**	**3,500**	**Criteria Met**
Mercury	ND	0.20	0.30	0.21	ND	ND	0.12	**0.20**	**2**	**Criteria Met**
Molybdenum	8.89	5.41	10.9	63.4	ND	ND	14.77	**29.37**	**48,000**	**Criteria Met**
Nickel	56.2	69.9	59	287	9.9	11.8	96.40	**171.14**	**16,000**	**Criteria Met**
Selenium	ND	ND	ND	ND	ND	ND	0.00	**0.00**	**4,800**	**Criteria Met**
Silver	ND	ND	ND	ND	ND	ND	0.00	**0.00**	**4,800**	**Criteria Met**
Thallium	ND	ND	ND	ND	ND	ND	0.00	**0.00**	**63**	**Criteria Met**
Vanadium	71.7	43.1	169	96.1	42.6	38.7	84.50	**120.31**	**67,000**	**Criteria Met**
Zinc	461	269	559	602	61.5	98.6	390.50	**544.24**	**100,000**	**Criteria Met**

Units in mg/kg

TABLE 12

PRG RESULTS FOR SOILS IN DROP-OFF BOX #1

Compound	Drop Off Box #1	VS2	VS4	VS6	Mean	UCL_{95}	Industrial PRGs	Results
Antimony	24.1	23.1	20.1	18.8	21.53	**23.56**	**380**	**Criterion Met**
Arsenic	0	0	0	0	0.00	**0.00**	**0.24**	**Criterion Met**
Barium	320	330	334	319	325.75	**331.82**	**63,000**	**Criterion Met**
Beryllium	0.809	1.07	0.98	0.69	0.89	**1.03**	**1,700**	**Criterion Met**
Cadmium	3.63	4.9	4.54	4.39	4.37	**4.80**	**7.5**	**Criterion Met**
Chromium (Total)	965	798	787	849	849.75	**916.44**	**100,000**	**Criterion Met**
Cobalt	20.4	14.6	14	16.3	16.33	**18.69**	**3,200**	**Criterion Met**
Copper	390	644	1080	618	683.00	**919.01**	**38,000**	**Criterion Met**
Lead	181	169	194	172	179.00	**188.19**	**3,500**	**Criterion Met**
Mercury	0.24	0.28	0.36	0.3	0.30	**0.34**	**2**	**Criterion Met**
Molybdenum	33.1	32.4	31.3	43.3	35.03	**39.58**	**48,000**	**Criterion Met**
Nickel	120	226	179	250	193.75	**240.70**	**16,000**	**Criterion Met**
Selenium	0	0	0	0	0.00	**0.00**	**4,800**	**Criterion Met**
Silver	0	0	0	0	0.00	**0.00**	**4,800**	**Criterion Met**
Thallium	0	0	0	0	0.00	**0.00**	**63**	**Criterion Met**
Vanadium	140	140	157	138	143.75	**151.02**	**67,000**	**Criterion Met**
Zinc	654	906	1230	970	940.00	**1133.75**	**100,000**	**Criterion Met**

Units in mg/kg

TABLE 13

TPH RESULTS

TPH by Carbon Chain	A-3	B-3	B-5	C-3	SA2	SA2 Duplicate
C06 - C10	ND	ND	ND	ND	ND	ND
C10 - C22	ND	ND	ND	ND	ND	ND
C22 - C36	6.7	33	17	ND	72	70

All units in mg/kg

ATTACHMENT 1

Notes of the October 20, 2005 meeting between DTSC and TAMCO

ATTACHMENT 1

Notes of the October 20, 2005 meeting between DTSC and TAMCO

THE LEU GROUP
Protecting Your Quality of Life

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Memo

To: Florence Gharibian

From: David J. Leu, Ph. D.

CC: Matthew Jalali

Date: October 25, 2005

Re: Notes of the October 20, 2005 meeting between DTSC and TAMCO

On Thursday, October 20, 2005 Matthew Jalali (TAMCO) and I met with Florence Gharibian (DTSC Branch Chief, Statewide Compliance Division) and her staff to discuss the up coming soil removal and characterization project to be conducted along the northern portion of TAMCO's scrap pile concrete pad. The purpose of the meeting was to work out any differences we had regarding the status of and removal of soils impacted by metals that was documented in a compliance inspection conducted by DTSC on January 20, 2005. Discussions have been on going regarding this subject since shortly after the January inspection.

During the January 20, 2005 inspection, 13 samples were taken by DTSC and analyzed for heavy metals. The sample results showed selected heavy metal values above hazardous waste criteria at selected locations on TAMCO's concrete storage pad and in soil to the north to the pad.

Regarding the impacted soil to the north of the pad, we came to agreement on the following items:

- The Leu Group will review the comments it was given at the meeting regarding its HASP and modify it as needed.
- The Leu Group will provide a larger site plan showing the area of impacted soils and the approximate location of where remediation will occur.
- The top few inches of the impacted soils will be scraped off and placed in 10-yard bin(s) and handled as hazardous waste.

- The next foot or so of soil will be excavated and placed on the concrete pad. The piled soils will be sampled following SW-846 methodology to determine if it fails the clean soils criteria, which will be TTLC and STCL values. This sampling approach is similar to the sampling protocols contained within DTSC's California's Automobile Shredder Waste Initiative report. If the soil is shown to be clean, it will be used to backfill the excavation. Clean crushed slag will be used to bring the area to grade
- The number of confirmation samples and their spacing was agreed upon. We will be taking 8 samples running along the north edge of the concrete pad; 5 samples down the center of the excavation running east to west, approximately 10 feet from the north edge of the concrete pad; and three samples along the northern most edge of the excavation, which is approximately 20 feet north of the edge of the concrete pad. It is estimated by TAMCO and The Leu Group that the footprint of the impacted soils is approximately 150 feet by 20 feet.
- All samples will be analyzed for CAM metals and four samples will be analyzed for TPH. The selection of the 4 TPH samples will be random, unless there is an indication of the presence of TPH in any of the samples. If so, then that sample(s) will be selected as part of the 4 samples to be analyzed for TPH.
- If any of the excavation's 5 samples taken down the center fail the clean soils criteria, another foot or two of soil will be removed, stockpiled, sampled and managed according the sampling results.
- If any of the confirmation samples taken along the perimeter of the excavation fail the clean soils criteria, additional soils will be removed and sampled until all impacted soils are removed.
- The Leu Group will provide DTSC with a minimum 7-day notice prior to mobilizing to TAMCO to remove the soils. We are hoping to mobilize within the next month (November).
- The Leu Group will contact San Bernardino County inspector Catherine Richards to inform her of what we are doing under the oversight of DTSC.
- The Leu Group will sample the existing stockpile of soil that was removed during the recent construction of the concrete storm water convenience located between the railway line and the storage area for the metal turnings.
- The Leu Group will take pictures of this area and email them to DTSC.
- DTSC would provide a copy of its Field Sampling Report to The Leu Group.
- Future discussions will be held at TAMCO regarding potential exposure concerns that DTSC has to determine if any actions beyond what TAMCO is already doing are needed.

If you find that the above list is either incomplete or inaccurate, I request that you notify me immediately.

SAMPLING AND ANALYSIS PLAN FOR EXCAVATION CONFIRMATION AND STOCKPILE CHARACTERIZATION AT TAMCO, INC.

Rancho Cucamonga, California

Prepared By:

The Leu Group
33725 Magellan Isle
Monarch Beach, CA 92629

(949) 248-5873

November 2005

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Figure 1 Sample Location Diagram For Stockpile

APPENDICES

Appendix A Sample Analysis Request Sheet

1.0 INTRODUCTION

As part of a remediation of an area of approximately 3,000 square yards of potentially impacted soil at TAMCO Inc. facility in Rancho Cucamonga, California sampling of a soil stockpile and the surface below excavated soils must be conducted.

2.0 SAMPLING OBJECTIVE

This sampling and analysis plan is being prepared for the purpose of generating true representative samples of the stockpiled material prior to it being used as backfill or disposed of, depending on characteristics. The plan also concerns the collection of confirmation samples from within the excavation area to determine if a sufficient amount of soil has been excavated.

This sampling and analysis plan was developed based on two documents. The first are the guidelines contained in the "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd edition, USEPA, 1987 (SW-846)." The second was from Appendix A of the DTSC's, November 2002, Draft Report titled "California's Automobile Shredder Waste Initiative". The latter included specific procedures for the sampling of shredder aggregate and waste piles, from which initial ferrous separation had been preformed. The procedures were generated by the DTSC's to provide for reprehensive samples of these piles to fulfill the requirements of SW-846. These procedures will be used for the stockpile sampling.

3.0 RATIONALE FOR SELECTION OF ANALYTES

Based on the types of materials managed at the facility and an agreement with the California Department of Toxic Substances Controls (DTSC) each sample will be analyzed for California Title 22 Metals relative to clean soils criteria which are TTLC and STLC hazardous waste criteria for this project. In addition a portion of the samples will also be analyzed for Total Petroleum Hydrocarbons (TPH).

Table 1 presents the analytical methodologies to be used for the analysis of these samples along with the normal quantification limit (minimum detection limit) and maximum holding time for the samples. Each of the EPA methods quoted are taken from SW-846. The soluble metals extraction and analysis shall only be performed for those constituents who's analytical results are greater than 10 times the California Soluble Threshold Limit Concentration (STLC).

Table 1

Analytical Methods

Item	Analytes	Sample Preparation Method	Analytical Method
1	Total Metals Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium Vanadium Zinc	EPA 3050	EPA 6010
2	Total Mercury		EPA 7471
3	Total Petroleum Hydrocarbons (motor oil & diesel)		EPA 8015
4	California Soluble Metals (if necessary) Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium Vanadium Zinc	California Waste Extraction Test (WET, 22 CCR 261, Appendix II)	EPA 6010
5	Soluble Mercury (if necessary)	California Waste Extraction Test	EPA 7471

4.0 SAMPLING PROTOCOL

4.1. Stockpile Sampling

The locations, number, and methodology to be used to sample each stockpile is based on the Appendix A of the DTSC's Draft Automobile Shredder Waste Initiative document for small waste or aggregate piles. The pile will be formed into a rectangle of approximately uniform height.

One sample will be collected from each sample point as indicated in Figure 1. Samples from sample points A-1, B-1, and C-1 will be collected from the top of the pile. Samples from sample points A-2, B-2, and C-2 will be collected from the base of the pile. A sample from point C-3 will be collected at the vertical midpoint at the center of the pile.

Prior to sampling of <u>each</u> pile, the seven (7) sample locations will be tabulated. Four (4) of the locations will then be chosen at random by creating an Excel spreadsheet which generates random numbers for each sample. These numbers will then be ranked and the first four (4) samples identified. These selected samples will be those to be analyzed. Additionally, a second set of random numbers will be generated to identify which of the original four samples will be identified for the collection of two (2) duplicate samples to make up a total of (6) samples for analysis. *Note, the initiative specified only three (3) original samples to be selected for analysis from the seven (7) samples taken from each pile. The number was raised to four (4) samples which is more statistically appropriate for sampling in accordance SW-846.*

All samples will be collected by pressing stainless steel soil sample sleeves into the soil. The sleeves will be capped on both ends for transfer to the laboratory. The four statistically chosen samples for initial analysis, see above, will be numbered SP-1 through SP-4, based on the rank of the sample. Numbers SP-5 and SP-6 used for the duplicates. The remaining three (3) samples will be numbered SP-7 through SP-9. Samples SP-1 through SP-6 from each pile then will be submitted to the laboratory (4 original plus 2 duplicates) and shall be identified on a Chain-of-Custody form (as discussed later).

Each of these samples will be analyzed for Title 22 metals. One of the four samples will also be analyzed for TPH as well. Sample SP-1 will be used for this analysis, unless another of the samples appears to have evidence of potential hydrocarbon contamination.

4.2. Excavation Confirmation Samples

Based on an agreement with the DTSC, 16 soil samples will be taken within the excavation to confirm that a sufficient depth has been excavated. The location of these samples will be as follows:

- 8 samples will be taken in the excavation along the north edge of the concrete pad (i.e., the south end of the excavation).

- 5 sample will be taken along the bottom center of the excavation, approximately 10 feet from the concrete pad (east to west)

- 3 samples will be taken at the northern edge of the excavation, approximately 20 feet from the concrete pad.

All samples will be collected by pressing stainless steel soil sample sleeves into the soil. The sleeves will be capped on both ends for transfer to the laboratory. Each sample will be analyzed for Title 22 metals. Four (4) of the locations will then be chosen at random by creating an Excel spreadsheet which generates random numbers for each sample. These samples will also be analyzed for TPH, unless alternative samples appear to have evidence of potential hydrocarbon contamination.

5.0 SAMPLE MANAGEMENT AND CUSTODY

5.1. Sample Management

Samples will be managed to ensure that proper tracking, chain-of-custody, and documentation procedures are followed.

5.1.1. Field Log

Sampling personnel will record general information about each sampling event and specific information about each sample on a series of pre printed forms generated specifically for this sampling effort. Photographs of each sampling location will also be taken just prior to taking each sample.

General sampling information will be recorded in sufficient detail so that such information can be reconstructed at a later time. Where applicable, the following general sampling information will be recorded:

- Facility name
- Purpose of sampling
- Location at sampling site
- Field contact
- Description of sampling procedures
- Date and time sampling event
- Weather and other pertinent conditions at time of sample collection
- Signature of person responsible for sampling

Previously generated maps showing the sample locations for each pile will be marked up in the

field. The approximate dimensions and distances between all samples from each pile will be marked on these drawings.

Specific information for each sample will also be logged on a separate sample location log and cross reference. The following information will be identified for each sample:

- Sample Number (i.e., TRP-0#)
- Sample Location (i.e., 1, 2, etc.) [Not to be included on Chain of Custody]
- Elevation in Pile [Not to be included on Chain of Custody]
- Date
- Time
- Photo numbers [Not to be included on Chain of Custody]

This information will be arranged in columns and a separate page will be prepared for each pile. The field sample log will be prepared as the samples are collected and before they are transported from the site. The information in the field sample log will then be used to fill out the chain of custody record. Section 5.2 provides information about completing the chain of custody record. The field sample log will serve as a checklist to check the information on the sample labels before sealing the sample cooler and transporting the samples to the laboratory.

5.1.2. Sample Labels and Seals

Each sample container will be labeled and sealed. Each sample container will be labeled using a waterproof pen with the following information at the time of sampling:

- Sample Number
- Sample Date
- Sample Time
- Project Name
- Initials of Sampling Personnel

5.2. Sample Transportation and Custody

After labeling, all samples will be placed in a container, for transportation to the laboratory. In accordance with "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd edition, USEPA, 1987 (SW-846), a chain of custody record will document sample possession from the time of collection until the samples are analyzed. The record also serves as a sample inventory and analysis order form.

When possession of the samples is transferred from sampling personnel to a courier or to the

laboratory, the chain of custody will be signed by both parties. The chain of custody record will be included with the analytical data in an appendix to the final report. A copy of the Sample Analysis Request Sheet, contained in Appendix A, will be attached to the chain of custody to ensure that the laboratory is informed of the proper sample preparation and analysis methods.

Samples will be transported to the laboratory by sampling personnel, a courier, a laboratory representative, or a commercial carrier. The means of transportation will be selected and the laboratory will be notified of the time by which analysis must begin so that the sample holding times are not exceeded.

6.0 QUALITY CONTROL

The samples will be submitted to a California DHS accredited laboratory for analysis. The laboratory will be instructed to prepare and analyze a matrix spike, a matrix spike duplicate, and a blank spike for 5 percent of the samples it receives.

The laboratory will calculate percent relative differences and percent recoveries for the matrix spikes and matrix spike duplicates. If the percent relative differences or percent recoveries fall outside the ranges specified in the methods in SW-846 or the laboratory's acceptable ranges, the laboratory will investigate the reason for the discrepancy. The investigation may include checking calculations, verifying analytical procedures, recalibrating instruments, preparing new reference standards, or reanalyzing samples.

6.1. Sample Preparation and Analysis

The sample preparation and analysis methods for the samples are listed in Appendix A, the Sample Analysis Request Sheet. The analytical results will be evaluated as described in Section

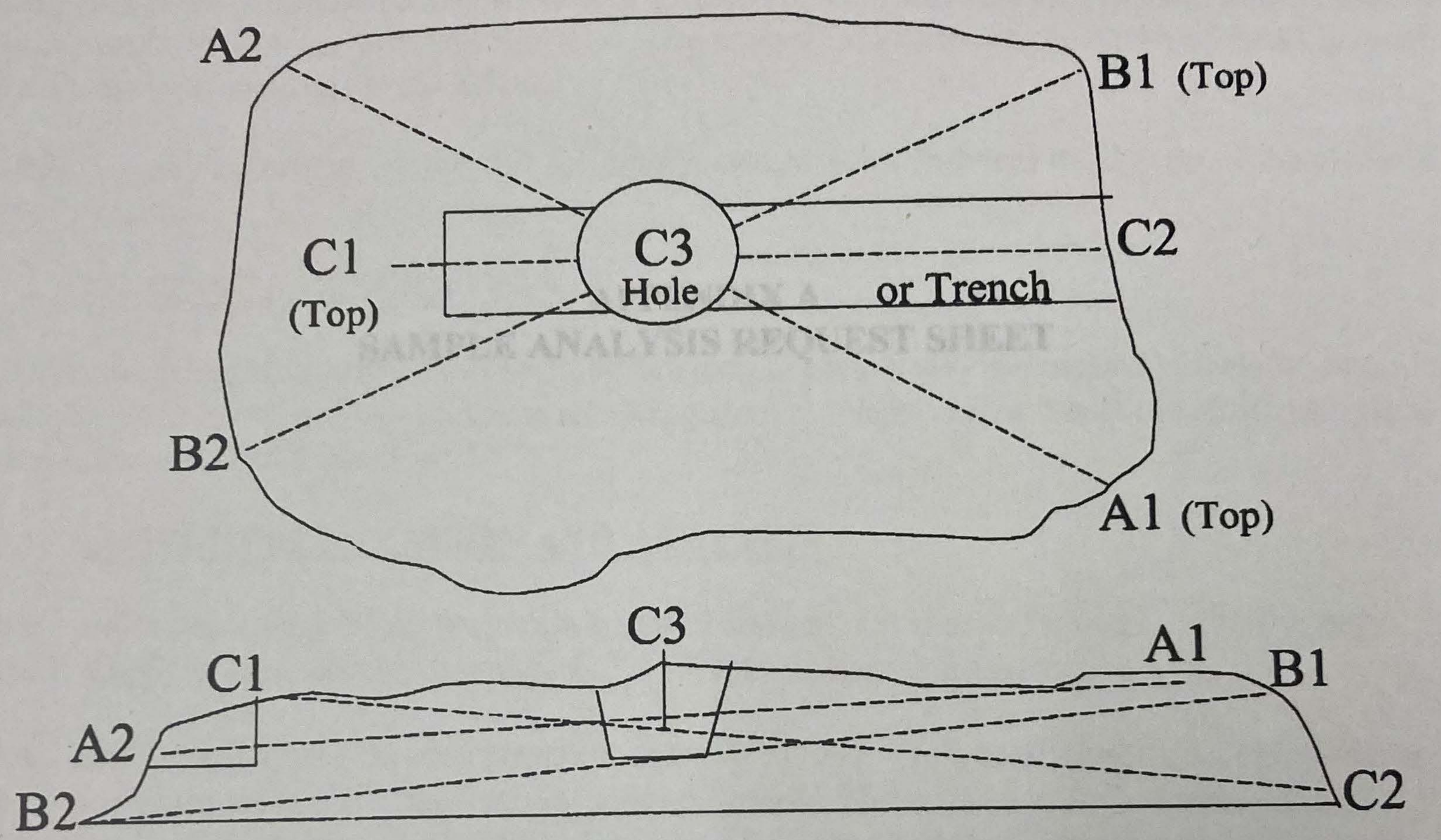
6.2. Laboratory Report

As a minimum, the laboratory report will indicate the laboratory name; DHS accreditation number, a statement that it is accredited for the constituents that were analyzed, and the accreditation expiration date; sample numbers, times, and dates; sample preparation and analysis method numbers; and analytical results. The laboratory report should also include quality control data for each sample batch and a description of any deviations from the published sample preparation or analytical method.

6.3. Analytical Data Evaluation Procedures

All analytical data will be evaluated for the constituents analyzed for using the methodologies contained in SW-846. 90 percent upper confidence level (UCL_{90}) values will be determined for each constituent using California's Total Threshold Limit Concentrations (TTLC) or Soluble Threshold Limit Concentrations (STLC) as the regulatory threshold values.

Figure 1
Sampling Points for Stockpile



C. Lloyd, Ph.D.
ency Secretary
Cal/EPA

Department of Toxic Substances Control

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Arnold Schwarzenegger
Governor

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TAMCO Steel

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July 27, 2005

CERTIFIED MAIL

Matthew Jalai, Environmental Manager
Michael G. Perchan, Environmental Technician
Tamco Steel
P. O. Box 325
Rancho Cucamonga, California 91739-0325

SAMPLING REPORT, JANUARY 20, 2005, SAMPLING INSPECTION: TAMCO STEEL, 12459-B ARROW HWY, RANCHO CUCAMONGA, CALIFORNIA, 91739, SAN BERNARDINO COUNTY, EPA ID NO. CAD982361404

Dear Messrs. Jalai and Perchan:

The Department of Toxic Substances Control (DTSC) conducted a sampling inspection at Tamco Steel (Tamco) on January 20, 2005. The enclosed sampling report describes the findings of that inspection, including a violation and actions to be taken by the facility to correct the violation.

The following violation which is described in this inspection report, was found subsequent to the inspection.

Violation

1. Title 22, California Code of Regulations, section 66265.31.

Tamco failed to maintain and operate it's facility in a manner to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents.

Tamco allowed residual fines from the scrap metal piles, containing hazardous waste levels of lead, chromium, copper, nickel and zinc, to be released to adjacent soil areas.

The sampling results show that residual fines from the base of the scrap metal piles exceed hazardous waste levels for lead, chromium, copper, nickel and zinc. Exposed soils at the facility, near the piles, show contamination by the same constituents. These results show that a strong potential exists for heavy metal contamination to spread, from

Tamco's operations, and contaminate the surrounding environment through pathways such as air dispersion and storm water runoff.

Tamco must take corrective action, and implement control measures to manage, mitigate and prevent any further contamination due to releases at their facility. DTSC appreciates the additional information included in the March 30, 2005, letter from Tamco. The information includes: employee-breathing zone monitoring data; a report from a remediation project, conducted in 2000, by Clayton Group Services, Inc.; and surface soil sampling results from areas adjacent to the north and west sides of the scrap metal pile storage concrete pad.

Tamco is required to submit a written response to DTSC within 30 days describing the corrective actions that have been taken, or are proposed to be taken, to bring it's facility into compliance [Health & Safety Code, section 25185(c) (3)]. If you dispute the violation, you should explain your disagreement in this written response. The issuance of this letter and report does not preclude DTSC from taking administrative, civil, or criminal action as a result of the violation noted in the report. All pertinent information derived from the inspection, including documents, photographs, and sampling results, are included as attachments to the report, except copies of documents provided by your facility at the time of the inspection. In order to reduce copying and mailing costs, these have not been returned to you with the report; copies will be provided if you request them. This report will become a public document; you may request that any trade secret or facility security information be withheld from public disclosure. (See Health & Safety Code, section 25173, attached.)

If you wish to assert the trade secret privilege after you have reviewed the report, please provide specific answers to each of the following questions for each item:

- To what extent is there knowledge of the information conveyed by the photograph/document outside of your business?
- To what extent is there knowledge of the information conveyed by the photograph/document, by employees and others in your business?
- To what extent have measures been taken to guard the secrecy of the information?
- Is the information valuable to competitors? If so, why?
- Has there been substantial monetary expenditure in the development of the information?
- Could the information be easily and properly acquired or duplicated by others?

DTSC will review your response to these questions to determine if the information should be treated as trade secret and will notify you of its decision.

If you have any questions regarding this letter, or if you wish to meet with

RANCHO CUCAMONGA CA
CAD982361404

DTSC to discuss any questions or concerns you have with the inspection, the report, the violation, or the required corrective action, please call Ms. Razel Trigilio at (818) 551-2836.

DTSC will review your response to these questions to determine if the information should be treated as trade secret and will notify you of its decision.

Sincerely,

Florence Gharibian, Branch Chief
Glendale Office
Statewide Compliance Division

Certified Mail
No. 7004 2890 0000 0062 3043
Return Receipt Requested

Enclosure

cc: Vivian Murai, Staff Counsel
Office of Legal Counsel and Investigations
Department of Toxic Substances Control
1001 I Street, 23rd Floor
P.O. Box 806
Sacramento, California 95812-0806

SAN BERNARDINO CO.
RANCHO CUCAMONGA CA
12459-B ARROW HIGHWAY

CHA

FIELD SAMPLING REPORT

TAMCO
12459-B ARROW HWY.
RANCHO CUCAMONGA, CALIFORNIA 91739
EPA ID # CAD982361404

Prepared By: David Stuck
Senior Hazardous Substances Scientist
&
Razel Trigilio
Hazardous Substances Scientist

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC)
Statewide Compliance Division
Southern California Branch

Date of Sampling: January 20, 2005

Date of Report: July 27, 2005

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4.0 SAMPLING PROTOCOL & SUMMARY:

4.1 On January 20, 2005, at approximately 0930 hours, we arrived at TAMCO located at 12459-B Arrow Highway, Rancho Cucamonga, California. We met with Michael Perchan, Michelle Runyan and Kenny Diederich. Michael Perchan, Environmental/Safety Technician, granted us consent to collect samples. We told them that our visit is a follow-up to the August and October 2003 inspections. We told him that three (3) out of the seven (7) samples collected had particle size less than 100 microns which had metals above the regulatory limit. Perchan said that they just received the DTSC letter eleven days ago and that their response in writing is under way. The DTSC letter pertains to the sample results from the August and October 2003 inspections, and the concerns for the potential contamination at the site.

Perchan and Diederich escorted us to the scrap yard to collect samples. Wu and Trigilio identified the locations to be sampled. Wu used XRF (a real time, direct reading instrument) to screen for presence of heavy metals. Flags were placed, by Trigilio, on each identified sample location. Stuck and Narvaez collected thirteen (13) samples, including split samples, from the identified locations. Pinon assisted in labeling and sealing the jars, taking photographs, and in completing the photolog (Appendix E – Field Logs). Samples were labeled with ID numbers TAMCO-1 thru TAMCO-13. Split samples were labeled as ID numbers TAMCO-1S thru TAMCO-13S. A total of thirteen (13) samples were collected. Eight (8) samples were collected from the concrete slab, one (1) from the turning pile and four (4) from the soil located north, south and west of the scrap yard. See Figure 2 for a map of sample locations and section 4.5 of this report for specific sample observations. Before we left the facility, we gave Perchan a signed copy of the split sample receipt (Appendix G).

4.2 TAMCO is approximately 60 acres in size (Figures 1-4). The scrap yard is located in the northern part of the facility. For ease of understanding, the scrap yard was delineated into two sampling areas, slab area vs. unpaved areas. See Figure 5 for the Sample Location Map.

4.2.1 The Slab

The "slab" is a 5.5 acre paved area containing zones with separate piles of different forms of scrap metal. However, there are no physical boundaries or painted lines delineating these zones on the slab. At the time of our inspection, the slab was divided into zones distinguishing between turnings, shreds, bales, heavy melt (P-14, P-16 and P-17) and composites (P-12). Heavy melt is composed of larger pieces of metal such as automobile parts.

Composite is composed of shreds, bales and other scrap metal. Nine (9) samples (TAMCO-1, 2, 3, 4, 6, 7, 8, 11 and 12) were collected from the slab. Test results revealed that five (5) out of the nine (9) samples (both sieved and unsieved) (TAMCO 3, 4, 6, 7 and 8) had one or more metals (Cr, Cu, Ni, Pb, Zn) above the regulatory limit. See Figures 6 & 7 and Appendix D – Summary of Test Results & Laboratory Data.

4.2.2 Unpaved Areas

Unpaved areas located to the North, West & South of the "slab" were delineated as the crossed hatched area on Figure 5. This area appeared to be covered with gravel. One pile closest to the parking lot, (between samples TAMCO-1 and TAMCO-6) extended onto the gravel area by about 10 feet. The unpaved area to the south is along the railroad track. The unpaved area to the west is adjacent to the slag piles. Four (4) samples. (TAMCO-5, 9, 12 and 13) were collected from Area II. Test results revealed that one (1) out of the four (4) samples (TAMCO 5 - both sieved and unsieved) had lead above the regulatory limit. See Figure 2 and Appendix D – Summary of Test Results & Laboratory Data.

4.3 RATIONALE FOR SAMPLE LOCATIONS:

4.3.1 Slab Residual Samples/Waste Pile Sample. Sample locations were chosen on an authoritative basis by visual observation and in-situ field screening with an XRF device. Samples TAMCO-1, 2, 3, 4, 6, 7, 10 and 11 were collected from the "slab" around the piles. Sample TAMCO-8 was collected from the turning pile.

4.3. Soil Samples. Sample locations were chosen on an authoritative basis by visual observation and in-situ field screening with an XRF device. Samples TAMCO-5, TAMCO-9, TAMCO-12, and TAMCO-13 were all collected from the unpaved areas.

4.4 SAMPLING PROCEDURES:

Surface samples were collected using new individually wrapped and sealed disposable plastic scoops that were discarded after each use. Each of the surface samples were taken at a depth of one to three inches of soil/fines. Each sample was placed into a new clean plastic paint bucket, stirred and was split between two clean 500 ml jars. The soil /fines were placed into pre-labeled, decontaminated, 500 ml glass jars with Teflon-lined screw caps. The jars were secured with evidence tape, and photographed at the point of collection.

Each sample location was documented using a Leica laser range finder to document the location of the sample. The Leica rangefinder has a manufacturer's stated accuracy of 1 yard at 1,000 yards.

4.5 SAMPLE POINTS and OBSERVATIONS:

Sample TAMCO-1/1S

The location for sample TAMCO-1/1S was at the base of a composite pile, located 16 yards west from the fence of the parking area and 186 yards, north from the furnace building. Sample TAMCO-1/1S was collected from the concrete slab surface consisting primarily of fine dirt type of material. (Attachment C, Photos # 1 & 2)

Sample TAMCO-2/2S

The location for sample TAMCO-2/2S was at the base of a composite pile, located 10 yards west from the fence of the parking area and 238 yards, north from the furnace building. Sample TAMCO-2/2S was collected from the concrete slab surface consisting primarily of fine dirt type of material (Attachment C, Photo # 3).

Sample TAMCO-3/3S

The location for sample TAMCO-3/3S was at the base of a composite pile, located 13 yards west from the fence of the parking area and 313 yards, north from the furnace building. Sample TAMCO-3/3S was collected from the concrete slab surface consisting primarily of fine dirt type of material (Attachment C, Photo # 4).

Sample TAMCO-4/4S

The location for sample TAMCO-4/4S was chosen at the base of a composite pile, located 12 yards west from the fence of the parking area and 326 yards, north from the furnace building. Sample TAMCO-4/4S was collected from the concrete slab surface consisting primarily of fine dirt type of material (Attachment C, Photo # 5).

Sample TAMCO-5/5S

The location for sample TAMCO-5/5S was chosen at a soil area, located north and near the base of a heavy melt pile. The sample point was located 66 yards west from the fence of the parking area and 42 yards, south from the fence on the north property line. Sample TAMCO-5/5S was collected from the soil surface consisting primarily of fine dirt type of material (Attachment C, Photo # 6).

Sample TAMCO-6/6S

The location for sampleTAMCO-6/6S was chosen at the base of a heavy melt pile, located 199 yards from the steel tanks, on the west the parking area and 303 yards

from the concrete slab surface. Sample TAMCO-6/6S was collected from the soil surface consisting primarily of fine dirt type of material (Attachment C, Photo # 7).

Sample TAMCO-7 /7S

The location for sample TAMCO7/7S was chosen at the base of a heavy melt pile, located 199 yards east from the steel tanks and 266 yards, north from the furnace building. Sample TAMCO-7/7S was collected from the concrete slab surface consisting primarily of fine dirt type of material (Attachment C, Photo # 8).

Sample TAMCO-8/8S

The location for sample TAMCO-8/8S was chosen at a lower portion of a turning pile, located 168 yards from the weigh station. That was the only meaningful measurement that could be collected. Sample TAMCO-8/8S was collected from the turning pile consisting fine dirt type of material (Attachment C, Photo # 9). Wisps of smoke from the pile were observed during the inspection (Attachment C - Photos # 10, 11 & 12).

Sample TAMCO-9/9SB

The location for sample TAMCO-9/9S was chosen at a soil area located south and near the base of a turning pile. The sample point was located 153 yards from the weigh station and 155 yards from the furnace building. Sample TAMCO-9/9S was collected from the soil surface consisting primarily of fine dirt type of material (Attachment C, Photo # 13).

Sample TAMCO-10/10S

The location for sample TAMCO-10/10S was chosen at the base of a bale pile and east of the slag piles. Sample Tamco-10/10SB was collected from the concrete slab surface consisting primarily of fine dirt type of material (Attachment C, Photo # 14).

Sample TAMCO11/11S

The location for sample TAMCO-11/11S was chosen at the base of a bale pile and east of the slag piles. The sample was located 867 yards from the freeway and 193 yards from the furnace building. Sample TAMCO-11/11SB was collected from the concrete slab surface consisting primarily of fine dirt type of material (Attachment C, Photo # 15).

Sample TAMCO-12/12S

The location for sample TAMCO-12/12S was chosen at a soil area located east and

near the slag piles. The sample point was located 142 yards from the fence of the north property line. Sample TAMCO-12/12S was collected from the soil surface consisting primarily of fine dirt type of material (Attachment C, Photo # 16).

Sample TAMCO-13/13S

Sample location TAMCO-13/13S was chosen at the soil area located east and near the slag piles. The sample point was located 102 yards from the fence of the north property line. Sample TAMCO-13/13S was collected from the soil surface consisting primarily of fine dirt type of material (Attachment C, Photo # 17).

5.0 LABORATORY ANALYSIS REQUEST:

Soil samples collected at the site were analyzed by Advance Technology Laboratories (ATL), DTSC's contract laboratory, using the methodologies described in SW 846. All samples were sent for screening to PTS Laboratory, ATL's subcontractor. Analyses were subject to quality assurance procedures defined by DTSC's Hazardous Materials Laboratory (HML) Quality Assurance Program, as referenced in Section 6.0 of the HML Laboratory Services Users Manual.

A. Metals Scan: EPA Method #6010.

B. TCLP for metals: EPA Method #1311.

C. Total Petroleum Hydrocarbons: Oil and Grease, Diesel Range Organics HML Method #816-S.

D. Semi-Volatile Organic Compounds: EPA Method # 8270.

E. Diesel Range Organics (DRO), Motor Oil Range Organics MORO): HML Method #816-S

The samples were held overnight in the DTSC Evidence Locker/Refrigerator and were hand delivered to ATL, the day after collection. Brian Wu retained the custody of the key to the locker and delivered the samples to the laboratory. Chain of custody records are in Attachment F. A Summary of the requested analyses for each sample is in Figure 8. The complete laboratory sample analyses report can be found in Appendix D.

Razel Trigilio submitted a supplemental request on February 22, 2005, to analyze for hexavalent chromium in both the sieved and unsieved samples that had a total chromium above the TTLC limit of 500 mg/kg in the initial request. The analyses were performed by American Scientific Laboratories, ATL's subcontractor.

The sample locations and contaminants in each sample, both sieved and unsieved, is in Figure 5, 6 & 7.

F. Hexavalent Chromium: EPA Method #7199.

6.0 QA/QC DATA REVIEW SUMMARY – See Appendix E for QA/QC data review.

6.1 Corrective Actions

Corrective Actions were not required.

6.2 Chain of custody procedures were maintained from the collector to the laboratory.

7.0 SAMPLE RESULTS:

A summary of sample results is presented in presented in Figure 8. The laboratory analytical results are found in Appendix D.

7.1 Metals

Three (3) sieved (TAMCO-6, 7 & 8) and one (1) unsieved sample (TAMCO-8) exceeded the TTLC for total chromium at 2700 to 6900 mg/kg. Two (2) sieved (TAMCO-6 & 8) and one (1) unsieved sample (TAMCO-8) exceeded the TTLC for copper at 2600 to 7700 mg/kg. Two (2) sieved (TAMCO-7 & 8) and one (1) unsieved sample (TAMCO-8) exceeded the TTLC for nickel at 2100 to 3500 mg/kg. Three (3) sieved (TAMCO-3, 4 & 5) and four (4) unsieved samples (TAMCO-3, 4, 5 & 6) exceeded the TTLC limit for lead at 1200 to 2000 mg/kg. One (1) sieved (TAMCO-8) and four (4) unsieved samples (TAMCO-4, 6, 7 & 8) exceeded the TTLC for zinc at 5700 to 7600 mg/kg. No samples exceeded the TTLC for hexavalent chromium. See Figures 6, 7 & 8 – Sieved and Unsieved Samples and Summary of Test Results.

7.2 Sieved Samples

The fines in six samples (TAMCO-3 thru 8) were hazardous after sieving. Three (3) were hazardous for chromium, two (2) were hazardous for copper, two (2) were hazardous for nickel, three (3) were hazardous for lead, one (1) were hazardous for zinc. One (1) sample (TAMCO- 8) exceeded the limits for each chromium, copper and nickel.

7.3 Motor Oil Range Organics

Virtually every soil sample collected at the TAMCO site contained oil/grease ranging from 360 to 19,000 mg/kg.

7.4 Semi-Volatiles

All samples came back non-detect for volatile organics except sample TAMCO-2 which entailed Fluoranthene 4,600 ug/kg and Pyrene 4,000 ug/kg.

7.5 Hexavalent Chromium

None of the samples exceeded TTLC for hexavalent chromium.

8.0 PERSONAL MONITORING RESULTS

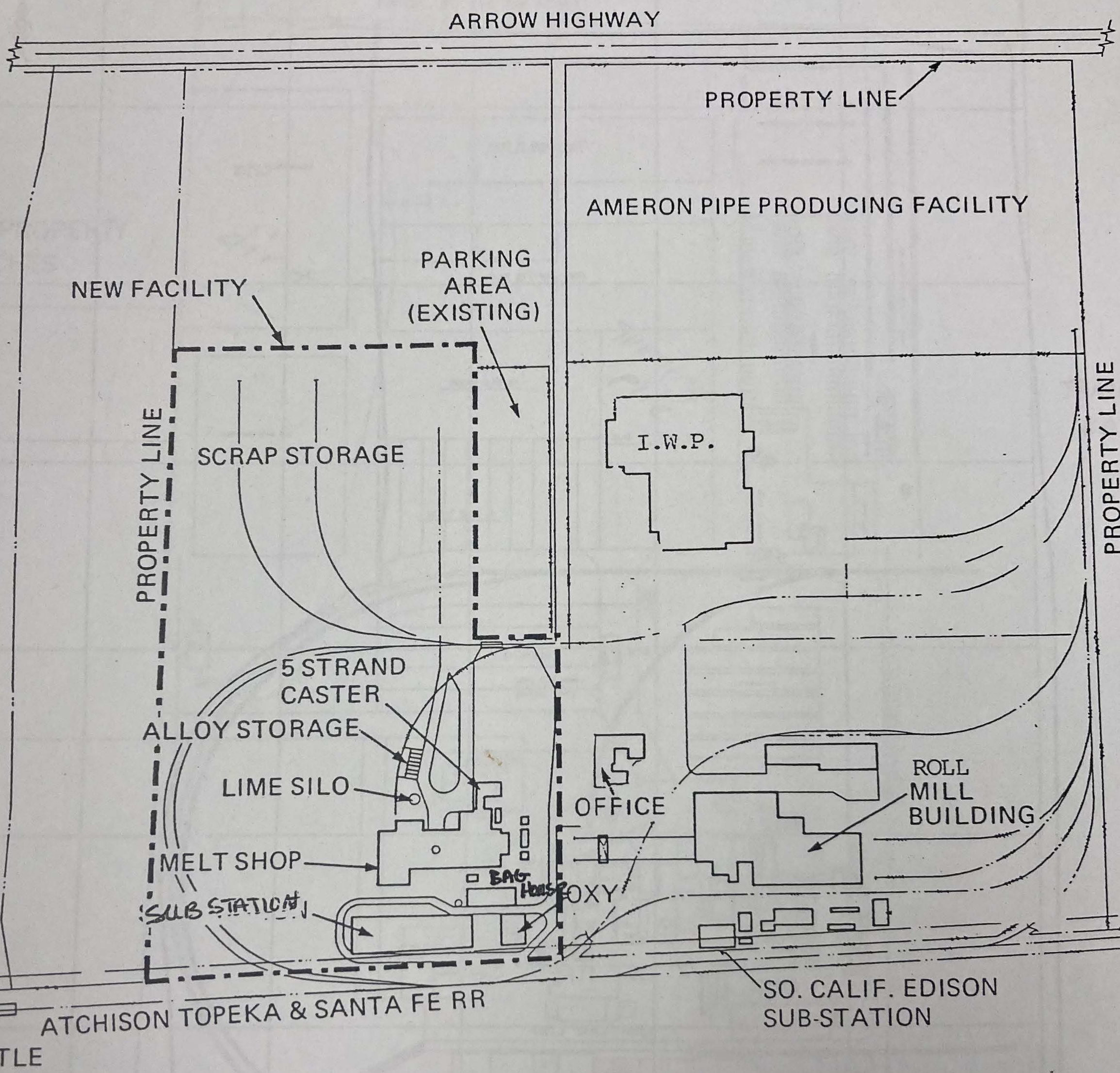
Sharzad Nouri, Industrial Hygienist, conducted personal air monitoring as part of the DTSC procedure to comply with OSHA requirements on potential chrome sites. The monitoring activity was apart from the waste sampling, but is included here for informational purposes. Samplers David Stuck and Julio Narvaez were fitted with Gillian pumps and paper filters, to measure personal occupational exposure for potential chromium dusts in the air at the TAMCO site. Two other pump/filter apparatus were set at locations in the sampling area to record undisturbed air quality. The pumps pulled a total air flow of 240 liters. All samples were below the detection limits for chromium. See Appendix H – IH Report.

All results were below the detectible range for potential compounds of interest.

9.0 SUMMARY

Samples collected from the surface of the slab at TAMCO exhibited residual fines, at the base of the scrap metal piles, which exceeded the hazardous waste levels for lead, chromium, copper, nickel and zinc. These fines are available for wind and rain dispersal. These residual fines were also found uncontained in areas designated by the facility as soil areas. One of the “soil” areas had lead above the hazardous waste level. Soil does not need to exceed hazardous waste levels to be considered contaminated. There is a strong potential for offsite migration of these contaminants from the TAMCO site to the surrounding area.

Welcome to TAMCO



Plant Tour

TAMCO

BUSINESS ADDRESS 12459–B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

1 2 3 4 5 6

FONTANA STEEL FACILITY
PARCEL #1 (14.339 ACRES)

EW PROPERTY
9 ACRES

FENCED CONTAMINATED SLAG PILE

WORKING SLAG PILE

SLAB #6 (150' X 450')

52'

48'

SLAB #5 (150 x 450')

SCRAP SLAB #3

SLAB #4 (140'x 300')

SCRAP SLAB #2

TOTAL SLAB AREA=
5 1/2 ACRES
(247,500 SQ.FT.)

MAINTENANCE STORAGE YARD

MELT SHOP BURNING AREA

PARKING LOT

PRIVATE ROAD TO & FROM ARROW HWY.

ELY PROPANE SYSTEM

SCALE HOUSE

LOCKER ROOM

MELT SHOP AREA

TAMCO
60 d

RECEIVED
MAY 18 2000

RECEIVED
MAY 18 2000
TAMCO
ENV/SAFETY DEPT.

INDUSTRIAL WIRE PRODUCTS
WIRE MILL

PARKING
(461-5501)

TO ARROW HIGHWAY

GUARD SHACK

LOCKER ROOM

FUEL PUMPS
GASOLINE & DIESEL

NATURAL GAS
MAIN SHUTOFF VALVES

FUEL PUMPS
EMERGENCY SHUTOFF

REBAR STORAGE

REBAR STORAGE

AMERON
ARROW
CONCRETE PIPE
PLANT

BILLET STORAGE

MAIN
OFFICE
461-4663

PROPANE

NATURAL GAS
SHUTOFF VALVES

PROJECT SHOP
(WESTERN-7 BUILDING)

SIMSMETAL
SHREADING PLANT

TAMCO
MELT SHOP

CHECK VALVE

FDC

4" STUB-UP

BILLET
STORAGE

WAREHOUSE

ROLL SHOP

ROLL SHOP

ITAM
REHEAT
FURNACE

ROLL MILL

MAINTENANCE SHOP

MACHINE
SHOP

WAREHOUSE

MOBILE
MAINTENANCE

BUNDLING
SYSTEM

DES-ENG-CON
HOT BED

SO. CAL.
EDISON
SUBSTATION

ELECTRONICS
SHOP

4" STUB-UP

B.N. & S.F. RAILROAD

PROPERTY LINE DIMENSIONS PER A.L.T.A. SURVEY

REFERENCES			
4-85-3353	AMERON	R/M FIRE HYDRANTS – LAYOUT & DETAIL	
4B1-6856	TAMCO	R/M – FIRE ROADS & HYDRANTS	
4B1-6853	TAMCO	AREA LAYOUT – BUILDING LEVEL	
DRAWING NO.	COMPANY	TITLE	

SYM	REVISIONS	DATE	BY	APP'V

This document contains information proprietary to TAMCO. It shall not be used, reproduced or disclosed to anyone without the prior written permission of TAMCO.

DIM IN FEET & INCHES
TOLERANCES
DWG. SCALE (1=600) 1"=50'

TAMCO
ROLL MILL – GENERAL PLANT
AREA LAYOUT
FIRE ROADS & HYDRANTS

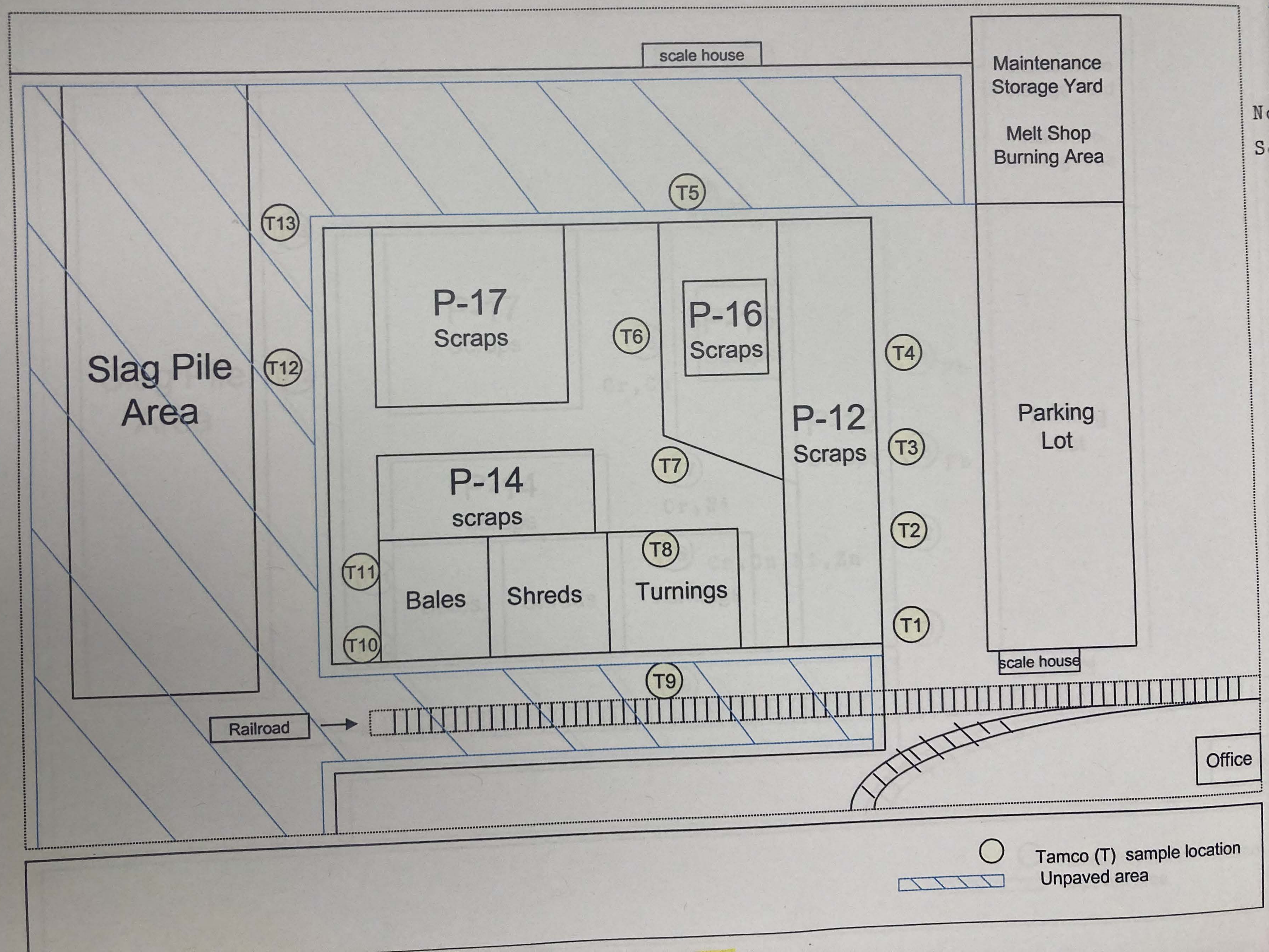
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APP'D			

REV.

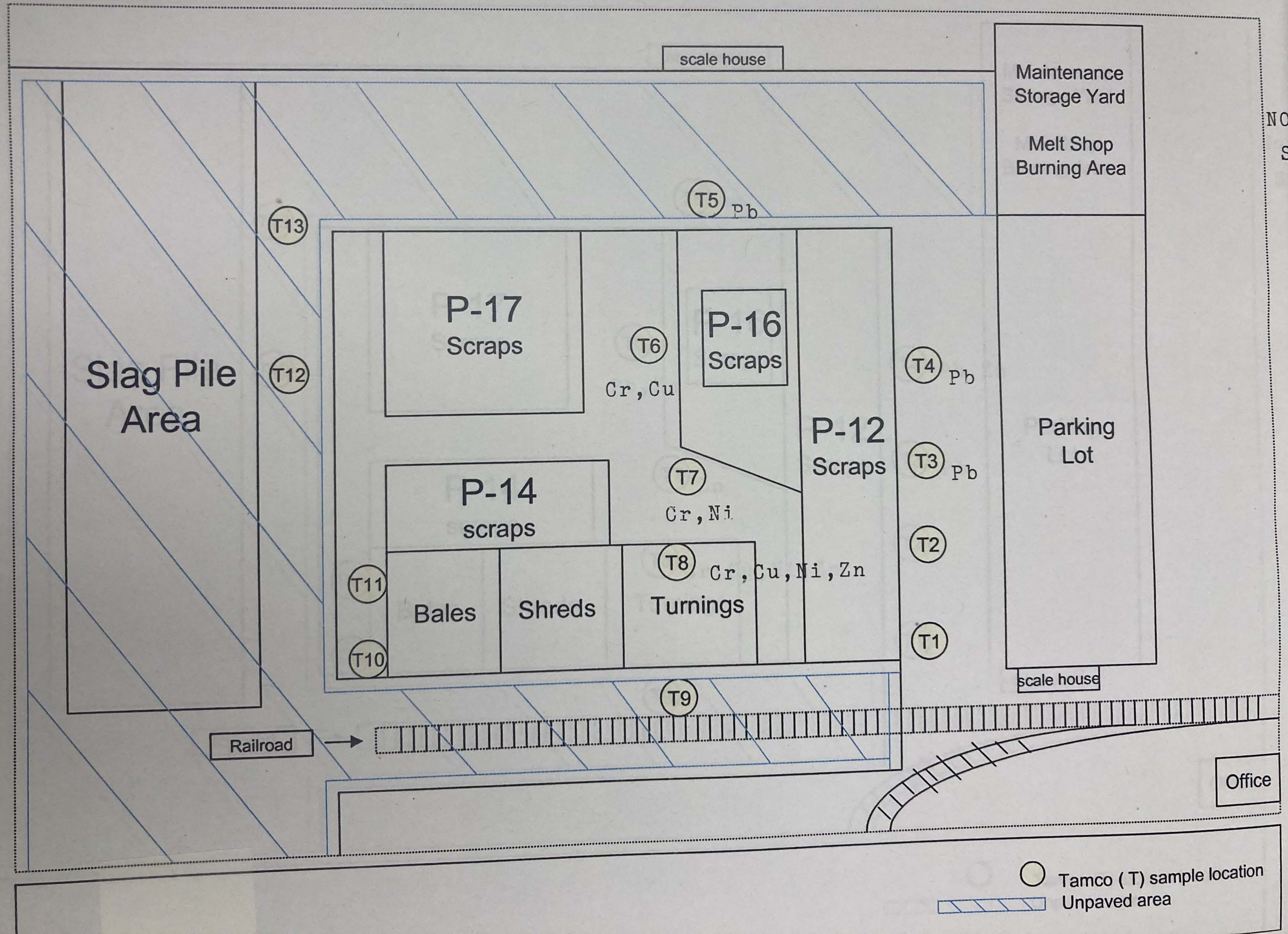
INDUSTRIAL SUBDIVISION
12459-B ARROW HIGHWAY

CAD98301404

TAMCO SAMPLE LOCATIONS



SIEVED SAMPLES SHOWING METALS ABOVE TCLP



UNSIEVED SAMPLES SHOWING METALS ABOVE TCLP

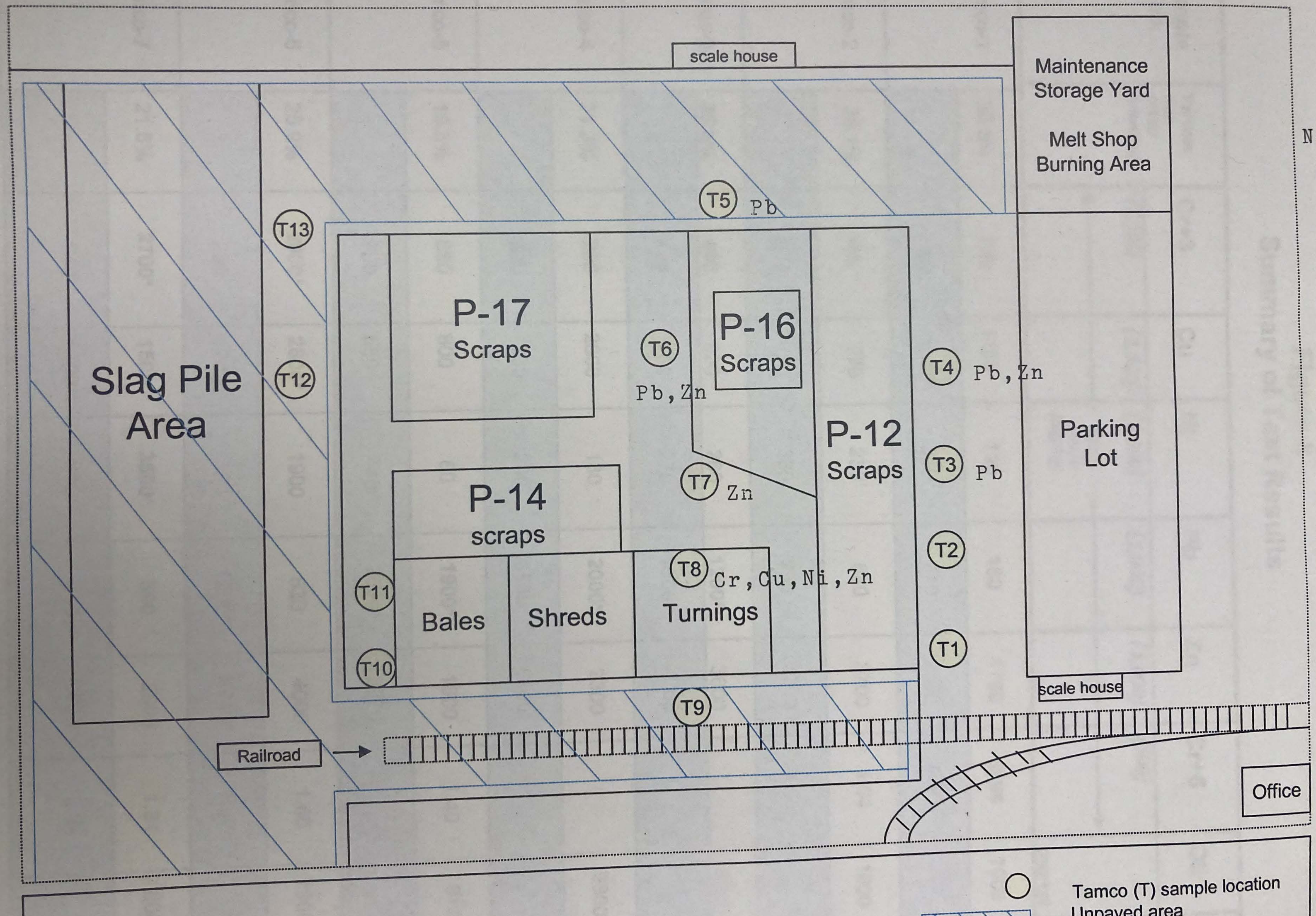


Figure 8
Summary of Test Results

Sample ID no.	Particle size (<100 microns)	Cr+3	Cu	Ni	Pb	Zn	Cr+6	Oil	PCB
		(2,500)	*(2,500)*	*(2,000)*	*(1,000)*	*(5,000)*	*(500)*		
		←		***TTLC limits (mg/kg)***			→		
								(mg/kg)	*(mg/kg)*
Tamco-1	36.5%	700	1100	190	180	1700	0.94	7000	0.91
		770	1300	310	770	2500	0.85		
Tamco-2	39.1%	550	770	230	680	3700	1.94	1900	10.5
		660	630	330	990	4300	1.61		
Tamco-3	35.3%	450	920	260	**1200***	3600		9300	22.5
		480	780	270	**1300***	4300			
Tamco-4	21.3%	280	2000	130	**2000***	2300		6800	24.4
		290	830	200	**3500***	**6100***			
Tamco-5	19.6%	880	800	60	**1900***	1600	1.40	910	2.8
		290	580	140	**2500***	2900			
Tamco-6	25.9%	**2900***	**2600***	1900	830	4000	1.60	19000	11.4
		290	1200	380	**1200***	**5700***	1.52		
Tamco-7	21.6%	**2700***	1500	**3500***	390	2900	1.31	8000	7.5
		940	1100	410	900	**6500***	0.94		

Continuation

Sample ID no.	Particle size (<100 microns	Cr+3	Cu	Ni	Pb	Zn	Cr+6	Oil	PCB
		(2,500)	*(2,500)*	*(2,000)*	*(1,000)*	*(5,000)*	*(500)*		
		←		*TTLC limits (mg/kg)*			→	*(mg/kg)*	*(mg/kg)*
Tamco-8	18.8%	**6900***	**7700***	**2900***	480	**7600***	ND	7600	0.27
	□	**4500***	**4800***	**2100***	540	**6400***	ND		
Tamco-9	16.9%	840	1700	180	200	1500	0.60	3000	3.06
	□	2000	870	770	360	490	0.99		
Tamco-10	14.7%	2000	570	94	84	550	0.88	360	1.71
	□	1400	590	170	450	2200	1.77		
Tamco-11	15.0%	1600	470	130	63	530	1.02	520	0.26
	□	1300	390	120	290	1600	2.00		
Tamco-12	21.9%	640	250	90	200	1700	0.86	1200	2.59
	□	650	500	230	690	3000	1.57		
Tamco-13	13.5%	1300	420	94	190	1200	1.06	1300	1.72
	□	730	630	260	840	3400			

*** exceeded regulatory limit**
ND non-detected
□ sieved
□ unsieved

FONTANA STEEL FACILITY
PARCEL #1 (14.339 ACRES)

PROPERTY
ACRES

FLAG	ITEM NO.	QUANTITY THIS DWG.	DESCRIPTION

FENCED CONTAMINATED SLAG PILE

STORED JUNK

WORKING SLAG PILE

SLAB #5 (150 x 450')

SCRAP SLAB #3

SLAB #4 (140'x 300')

SCRAP SLAB #2

MAINTENANCE STORAGE YARD

MELT SHOP BURNING AREA

ELY PROPANE SYSTEM

SCALE HOUSE

LOCKER ROOM

IWP WIRE MILL

LEASED PROPERTY
PARCEL (27.37 ACRES)

TOTAL SLAB AREA=
8 1/2 ACRES
(247,500 SQ.FT.)

MAIN OFFICE

PROJECT SHOP

WAREHOUSE

ROLL SHOP

ROLL MILL

MAINTENANCE

WAREHOUSE

ITAM REHEAT FURNACE

MOBILE MAINTENANCE

COOLING BED

NKK BUNDLING SYSTEM

MELT SHOP AREA

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TAMCO

GENERAL PLANT
TAMCO FACILITY
PLANT LAYOUT

TOLERANCES				
FRACT.	X	XX	ANG	
	±	±	±	±

		DATE
DESIGNED		
DRAWN	WCF	7/98
CHECKED		
APPV'D		

DWG SCALE
1=1000

4G2-6840-B

SYM	REVISIONS	DATE	BY	APPV

TITLE

Purpose: CERCLA Preliminary Assessment

COPY

Site: TAMCO
12459 Arrow Highway
Rancho Cucamonga, California 91739
San Bernadino County

Site EPA ID Number: CAD982361404

URS Investigators: John P. Zwierzycki

Date of Inspection: November 15, 1993

Report Prepared By: John P. Zwierzycki
Samuel Won

Report Reviewed By: Ingrid Y. Chen

Review/Concurrence: William E. Quinnell

Report Date: January 4, 1994

Document Control No.: 62310.86.33.454_05.a.1

Submitted To: Jere Johnson
EPA Region IX
Work Assignment Manager

copy requ

1.0 Introduction

The U.S. Environmental Protection Agency (EPA), Region IX, under authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA) has tasked URS Consultants, Inc. (URS) to conduct a Preliminary Assessment (PA) of the TAMCO site in Rancho Cucamonga, San Bernardino County, California.

The TAMCO site was entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on March 29, 1993 after EPA received a notification of hazardous waste site from the Chief Executive Officer of TAMCO. TAMCO was originally assigned to URS under the EPA I.D. No. CAD983662560. This conflicted with the I.D. No. issued to TAMCO at an earlier date under the Resource Conservation Recovery Act (RCRA) program: CAD982361404. EPA decided to continue this investigation under the EPA I.D. No. CAD982361404. The purpose of the PA is to review existing information on the site and its environs to assess the threat(s), if any, posed to public health, welfare, or the environment and to determine if further investigation under CERCLA/SARA is warranted. The scope of the PA includes the review of information available from federal, state, and local agencies, and performance of an on-site reconnaissance visit (2).

Using these sources of information, the site is then evaluated using EPA's Hazard Ranking System (HRS) criteria to assess the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on EPA's National Priorities List (NPL). The NPL identifies sites at which EPA may conduct remedial response actions. This report summarizes URS' findings of these preliminary investigative activities (12).

1.1 Apparent Problem

The TAMCO site is an active steel minimill that uses scrap metal to produce steel reinforcing bar (rebar). During the production of the rebar, nonhazardous slag and hazardous baghouse waste are generated. The baghouse waste is a RCRA waste (K061). Baghouse waste is regularly disposed of at a permitted treatment, storage, and disposal facility; however, some baghouse waste was disposed of on-site at the northwestern portion of the slag pile. Additionally, some baghouse waste was irradiated when a canister containing radioactive cesium went into the furnace. This resulted in the generation of radioactive baghouse waste, a portion of which was disposed of at the Chemical Waste Management Kettleman Hills facility, which is not permitted for radioactive waste disposal (3,4,5,6).

2.0 Site Description

2.1 Site Location

The TAMCO site is located at 12459 Arrow Highway in Rancho Cucamonga, San Bernardino County, California. The geographical coordinates for the site are Latitude 34° 05' 37" North and Longitude 117° 31' 57" West, Mount San Bernardino baseline and meridian. TAMCO is located in Township 1 South, Range 6 West, Section 8. The site is located approximately 4 miles northeast of the Ontario Airport and 0.5 miles northwest of the former Kaiser Steel facility. Land use in the vicinity of the site is principally

industrial with some agricultural and residential uses. Facilities located adjacent to the site include steel fabrication shops, scrap metal dealers, and power plants (see Figure 1, Site Location Map) (4,7).

2.2 Site Description

The TAMCO facility is a steel minimill that produces rebar for use in concrete structures, including roadways, bridges, and buildings. The TAMCO site encompasses approximately 60 acres, including an access road from the Arrow Highway. Approximately 10 percent of the site is paved or covered by buildings. The site is virtually flat and contains an office building, a furnace building, a baghouse, a rolling mill, maintenance shops, cooling towers, rail spurs, and storage yards. The TAMCO site is surrounded by an 8-foot chain-link fence and has a 24-hour guard (see Figure 2, Facility Map) (3,4).

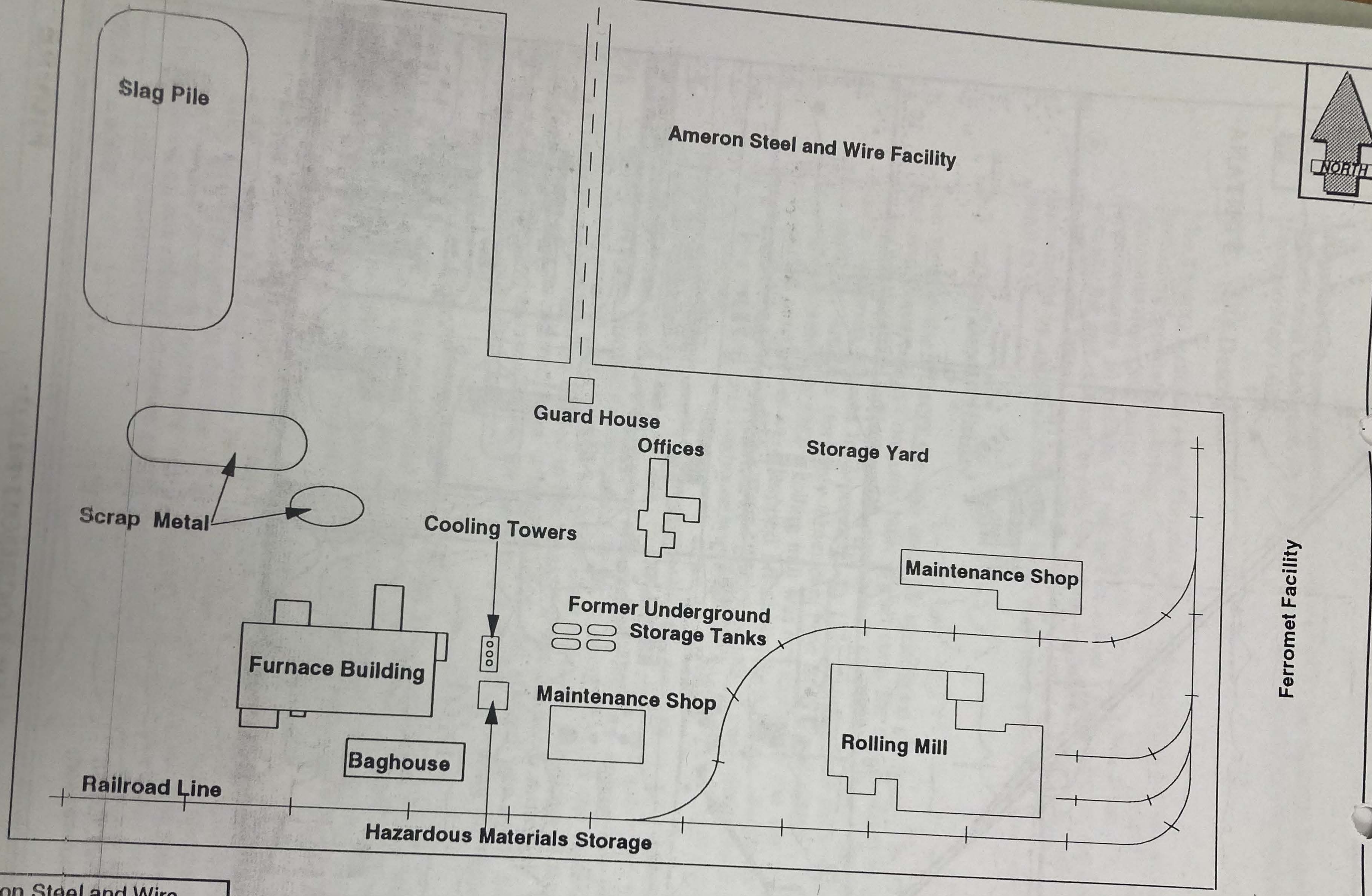
2.3 Operational History

Prior to 1956 the TAMCO site was used for agricultural purposes. In 1956 the American Pipe and Construction Company built a melt shop for the production of steel billets at the site. In 1968 the property was purchased by American Pipe and Construction from Illinois California Express Incorporated. In 1974 TAMCO was formed by a consortium that included Ameron (formerly American Pipe and Construction), Tokyo Steel, and Mitsui Corporation. In 1982 a rolling mill was introduced to the site to produce rebar. Prior to 1982 steel billets were shipped off-site for processing. Products currently made include rebar and steel billets. Wastes or byproducts of site operations include slag, sold for use as a road bed, and baghouse waste, recycled off-site for its zinc content (4).

Shredded steel scrap, usually from automobiles, is brought to the TAMCO site as a raw material. Upon entering the site, truckloads of steel are surveyed for radioactive materials. The steel is then graded and dumped into the appropriate pile where it is stored until it is ready to be processed. Prior to being recycled, the steel scrap is spread out on the ground and checked for anomalous objects. The scrap is then loaded into charge buckets that are hoisted to the furnace where the scrap is melted. After the steel is molten, it is poured from a large bucket and shaped into steel billets that are sometimes used as raw material for the rolling mill. At the rolling mill billets are heated and pressed into rebar (3,4).

Byproducts produced during the steel milling process include a slag material and a baghouse waste. Slag is stockpiled on-site and sold for use as road bedding. Currently, baghouse waste is collected and shipped off-site by rail car to Horsehead Resource Development in Illinois and Tennessee for recycling. TAMCO produces approximately 700 tons of baghouse waste monthly (4).

Four former underground storage tanks were being excavated and removed from the site during the time of the URS reconnaissance visit in November 1993. Underground storage tanks contained fuel oil used to fire the rolling mill furnace. These underground tanks, which were excavated at the time of the URS site reconnaissance visit, were observed to be in good condition, and there was no visible evidence of leakage from the tanks. Heating oil is a refined petroleum product and exempt by the petroleum exclusion from CERCLA evaluation (1,4).



Source: Ameron Steel and Wire, 1955

Not to Scale

URS Consultants
100 California Street
San Francisco, CA 94111
November 16, 1993

Facility Map

TAMCO
12459 Arrow Highway
Rancho Cucamonga, California

FIGURE
2

2.4 Regulatory Involvement

The TAMCO site is listed in EPA's RCRA database as a large quantity generator of RCRA hazardous waste (8).

The California Environmental Protection Agency Department of Toxic Substances Control (Cal EPA DTSC) has been involved with the TAMCO site regarding the disposal of radioactive baghouse waste and the stabilization of metal contaminated soil. The TAMCO facility formerly disposed of baghouse waste at the Kettleman Hills disposal facility operated by Chemical Waste Management, Inc. On May 21, 1985, several loads of this baghouse waste were disposed of at the Kettleman Hills Facility. On May 23, 1985, radioactivity was detected in a truckload of baghouse waste by the California Highway Patrol at a weigh station. This truckload of baghouse waste was returned to the TAMCO site. Subsequent analysis of samples collected from truckloads of baghouse waste received by the Kettleman Hills Facility on May 21, 1985 revealed radiation levels above background levels in one sample, representing approximately 20 cubic yards of radioactive baghouse waste. This waste was disposed of in burial cell B-9 of the Kettleman Hills Facility. The Kettleman Hills Facility is not permitted to accept radioactive waste. Further testing of radioactive wastes accepted by the Kettleman Hills facility was conducted on June 3, 1985 by Mr. Don Honey of the Radiologic Health Branch of the California Department of Health Services (now the California Environmental Protection Agency). The California Department of Health Services determined that wastes could be left in place, and that there are no significant heath or safety risks associated with the quantity and concentration of the radioactive material (3,4,5,6,15).

It is believed that radioactivity was introduced into the baghouse waste when a vial of radioactive cesium was placed into the electric arc furnace. Additional testing was completed on finished rebar produced by TAMCO during the time period that the radioactive baghouse dust was generated. The rebar was not found to contain levels of radiation above background levels. A total of 1,752 drums of baghouse dust were found to be radioactive prior to disposal and were taken to the U.S. Ecology facility located in Richland, Washington, a facility permitted to receive radioactive materials. Since this incident, TAMCO has installed radiation detectors that screen each truckload of scrap metal brought to the site (15).

Cal EPA DTSC also provided a variance to TAMCO to conduct a pilot soil stabilization study. In 1988 soils on property located southwest of the site were found to be contaminated by surface runoff carrying baghouse waste. Baghouse waste was deposited on-site when transferred from the baghouse to trucks and roll-off bins. A change in facility procedures has halted the deposition of baghouse waste on-site. Soil samples collected from the property southwest of TAMCO were analyzed for soluble metals. Analytical results revealed the presence of lead up to 135 milligrams per liter (mg/L), zinc up to 1,860 mg/L, and cadmium up to 5.7 mg/L. These concentrations of metals are above the State of California Soluble Threshold Limit Concentration (STLC) of 5 mg/L for lead, 250 mg/L for zinc, and 1 mg/L for cadmium, and a cleanup was required by CAL EPA DTSC. Under the supervision of Cal EPA DTSC, soils were excavated and stabilized. The volume of soil excavated and treated is estimated to be 3,300 cubic yards. Stabilized soils were stockpiled on-site, and a portion of this material was used as backfill during the excavation of underground storage tanks (3,4,5,9).

The California Regional Water Quality Control Board's involvement with the TAMCO site has been limited to providing regulatory oversight of the contaminated soils investigation and on-site stabilization of heavy metals (10).

The San Bernardino County Environmental Health Department is currently overseeing the excavation and removal of underground storage tanks at the site. The four underground storage tanks at the site contained fuel oil. Underground storage tanks were being excavated at the time of the November 15, 1993 URS site visit (4,11).

The South Coast Air Quality Management District is also involved with the TAMCO site. Currently the facility has 10 air permits, and another two air permits are pending approval. Air permits cover everything from office heaters to the electric arc furnace used to melt steel. The South Coast Air Quality Management District conducts regular on-site inspections of the facility (12,13).

3.0 Hazard Ranking System Factors

The Hazard Ranking System (HRS) is a scoring system used to assess the relative threat associated with actual or potential releases of hazardous substances from sites. It is the principal mechanism EPA uses to place sites on the National Priorities List (NPL). URS has evaluated the following HRS factors relative to this site (1).

3.1 Sources of Contamination

URS has identified three sources at the TAMCO site where hazardous materials or hazardous wastes are present: the stabilized soil, the slag pile, and the radioactive baghouse waste (4).

Stabilized Soil

Three thousand three hundred cubic yards of soil containing soluble lead, zinc, and cadmium were excavated from property located southwest of the TAMCO site and stabilized. Stabilized soils were stockpiled on-site. A portion of this material was used as backfill during the excavation of underground storage tanks. The HRS does not consider stabilization as a qualifying removal (1,3,4,9).

Slag Pile

The slag pile is a large pile of grayish material located in the northwestern portion of the TAMCO site. The dimensions of the slag pile are approximately 250 feet long by 100 feet wide and up to 25 feet in height. A layer of baghouse waste is incorporated within the slag pile. The slag pile was sampled by Mittelhauser Corporation for TAMCO in January 1993. Three trenches were dug into the pile to facilitate sampling of wastes within the pile. A lithologic cross section of the slag pile was generated during trenching activities. The cross section indicated that the layer of non-slag material, believed to be baghouse waste, is up to 10 feet thick in some areas. A total of 10 samples were collected on January 4, 1993 from the three trenches. Samples were categorized as either soil, slag, or non-slag. Samples were analyzed by Brown and Caldwell laboratories for total metals by EPA Method 6010. Chemical analytical results of the sampling are presented in Table 1.

Sampling of baghouse waste in conjunction with the stabilized soil suggests that at least some portion of the metals found within the slag pile is soluble. Samples collected from the slag pile were not analyzed for soluble metals (4,9,14).

Table 1

TAMCO Slag Pile Sampling Results
from Mittelhauser 1993 Sampling Event
(mg/Kg)

Sample Number	Location	Depth (ft)	Sample Type	Cadmium	Chromium	Lead	Nickel	Zinc
S-1	T-1	0.5	Soil	<0.7	19	6.2	11	50
S-2	T-1	5	Soil	<0.7	23	8.6	10	57
S-3	T-2	0	Soil	<0.7	20	14	7.3	110
S-4	T-2	5	Soil	<0.7	22	8	11	69
S-5	T-3	5	Soil	<0.7	12	4.8	6.8	44
S-6	T-3	0	Soil	<0.7	30	9.3	75	75
S-7	T-2	NA	Slag	1.1	1,500	73	56	500
S-8	T-3	NA	Slag	<0.7	1,400	38	48	80
S-9	T-2	NA	Nonslag	420	1,200	20,000	180	140,000
S-10	T-3	NA	Nonslag	380	1,100	20,000	200	140,000
RfD				290	2,900	---	12,000	170,000
CRSC				---	---	---	---	---
TTLC				100	2,500	1,000	2,000	5,000
STLC				1	5	5	20	250

mg/Kg = milligrams per kilogram
ft = feet
RfD = Reference Dose Screening Concentration
CRSC = Cancer Risk Screening Concentration
--- = Benchmark concentration not available
STLC = Soluble Threshold Limit Concentration
TTLC = Total Threshold Limit Concentration
illigrams per liter (mg/L)

Radioactive Baghouse waste

On May 21, 1985, one truck-load, or approximately 20 cubic yards, of radioactive baghouse waste was disposed of at the Kettleman Hills Facility. Radioactivity was believed to have been introduced into the baghouse waste when a vial of radioactive cesium was placed into the electric arc furnace. This waste was disposed of in burial cell B-9 of the Kettleman Hills Facility (1,4,5).

3.2 Groundwater Pathway

3.2.1 Hydrogeologic Setting

The TAMCO site is situated over the Chino Groundwater Basin. The Chino Basin and the Cucamonga Groundwater Basin supply drinking water to the Cucamonga County Water District (CCWD) and the Fontana Water Company (Fontana). Both the CCWD and Fontana pump groundwater from multiple (6-8) aquifers ranging from a depth of approximately 350 feet to 1,200 feet below ground surface (bgs). The thickness of the groundwater aquifers varies from 10 to 100 feet. Subsurface geology of the area is provided in Table 2 (16).

The groundwater elevation in the vicinity of the site is between 1,080 and 1,200 feet above mean sea level (msl). Depth to groundwater in the shallow aquifer in the vicinity of the site is estimated at 420 feet bgs. The shallow aquifer is unconfined, while the deeper aquifers are confined (17,18).

Municipal wells are screened through all aquifers. Groundwater flow direction in the vicinity of the site is to the southwest (17). The net annual precipitation in the Rancho Cucamonga area is approximately 15 inches (19).

Table 2
Subsurface Geology of the Rancho Cucamonga Area

Depth (feet bgs)	Formation
0-36	Soil, Sand, and Gravel
37-246	Brown Clay with Sand and Gravel
247-285	Sand, Gravel, Boulders*
286-538	Brown Sandy, Silty Clay
539-576	Sand and Gravel*
577-602	Brown Clay
603-668	Sand and Gravel*
669-690	Brown Clay
691-826	Sand and Gravel*
827-852	Brown Clay
853-988	Sand and Gravel*
989-1,016	Hard Brown Clay
1,017-1,032	Sand and Gravel*
1,033-1,180	Brown and Red Clay

* Indicates probable water-bearing zone.

3.2.2 Groundwater Targets

The CCWD services the communities of Rancho Cucamonga, Etiwanda, Alta Loma, and portions of Fontana and Ontario. The CCWD receives its water as follows (20):

Metropolitan Water District - 53 percent
Municipal Groundwater Wells - 28 percent
Surface Water - 19 percent

There are a total of 110,000 people in the Rancho Cucamonga City Limits (which includes Etiwanda and Alta Loma). The Metropolitan Water District relies entirely on surface water deliveries from northern and northeastern California. Approximately 72 percent of the population receives drinking water from non-groundwater sources; 28 percent of the population, or 30,800 people, is served by 21 municipal wells operated by CCWD. Two municipal wells are located between 1 and 2 miles of the site, and four additional municipal wells are located between 3 and 4 miles from site. Pumpage data were not available for the 21 wells operated by CCWD; however, all wells are believed to contribute equally to the CCWD system (17,21).

Fontana services approximately 100,000 people in the communities of Fontana, Glen Avon, and Mira Loma. Fontana pumps groundwater from 20 wells, three of which are located within 4 miles of the TAMCO site. Fontana uses groundwater to supplement its supply of surface water. Surface water supplies between 20 and 100 percent of the water used by the system, depending on the availability of surface water. Assuming that surface water supplies 20 percent of the water to the system, approximately 80,000 people are served by groundwater wells operated by Fontana (22).

3.2.3 Groundwater Conclusions

The groundwater pathway is the primary pathway of concern at the TAMCO site because groundwater is used extensively as a source of drinking water. There has not been an observed or projected release to groundwater. An observed release is when the chemical analysis of an environmental sample from a site is found to be three or more times above the background concentration, and some portion of the release is attributable to the site. Based on the depth to groundwater and the mobility of substances on-site, a release to groundwater is not expected.

3.3 Surface Water Pathway

3.3.1 Hydrologic Setting

The annual rainfall for the Rancho Cucamonga area is 15 inches. The 2-year, 24-hour rainfall for the area is 3 inches. The site is located in the only natural floodplain zone in Rancho Cucamonga. This site is in Zone A-4, which floods every 100 years. Chadwick Channel, an unlined drainage ditch, extends approximately 4 miles downstream from the site. The discharge from the ditch flows to the Santa Ana River. Storm water runoff from the site flows southeast toward Chadwick Channel located approximately 800 feet from the site. Storm water also flows southwest. Storm water used to pond in an off-site location. Currently, storm water flowing southwest at the site is now captured in an on-site concrete lined retention pond and redirected toward Chadwick Channel (4,18,23,24).

3.3.2 Surface Water Targets

Surface water runoff from the flood wash drainage ditch is not used for drinking. There are no drinking water intakes, fisheries, or sensitive environments within 15 miles downstream of the site (25).

3.3.3 Surface Water Conclusions

The surface water exposure pathway is not a pathway of concern at the TAMCO site. Surface water within 15 miles downstream of the site is not used as a source of drinking water, as a fishery, or by any known sensitive species.

3.4 Soil Exposure and Air Pathways

3.4.1 Physical Conditions

The TAMCO site is situated in a depositional environment. The site lies on an alluvial plain beneath the San Gabriel Mountains. Materials from the mountains are slowly eroded and deposited on the alluvial plain below. The TAMCO site is located in a predominantly industrial area with intermingled agricultural and residential areas (4,7).

The TAMCO site is surrounded by an 8-foot chain-link fence and has a 24-hour guard. Approximately 10 percent of the site is paved or covered by buildings. The slag pile and the stabilized soil are the only sources of contamination within 2 feet of the ground surface. The slag pile is an estimated 25,000 square feet in area, and the stabilized soil covers an estimated 1,000 square feet. The baghouse waste contained within the slag pile is believed to be greater than 2 feet below the surface of the slag pile (4,14).

3.4.2 Soil and Air Targets

Approximately 300 of the 340 employees may come in contact with on-site sources of contamination. Residential population in the vicinity of the TAMCO facility, based on 1980 census data, is presented in Table 3. There are no residents, schools, or day care centers within 0.25 miles of the site. There are 36,972 residents within 4 miles of the site, and the nearest residential dwelling is approximately 0.4 miles from the site (3,4,26).

Areas within 4 miles of the TAMCO facility provide habitat for the San Diego Horned Lizard (*Phrynosoma coronatum blainvillii*). The San Diego Horned Lizard is a category 2 species that is not currently under review as to its federal endangered or threatened status (27,28).

3.4.3 Soil and Air Conclusions

Contaminant concentrations in sources available to the soil or air pathways are greater than three times background concentrations but do not exceed health-based benchmarks. Because of the limited access and the relatively small population in the vicinity of the site, both the soil and air pathways are of minimal concern.

Table 3

Residential Population within 4 Miles of TAMCO

Distance from Site (miles)	Population
0 - 0.25	0
0.25 - 0.50	538
0.50 - 1.0	0
1 - 2	739
2 - 3	8,322
3 - 4	27,373
Total	36,972

4.0 Emergency Response Considerations

The National Contingency Plan [40 CFR 300.415 (b) (2)] authorizes the Environmental Protection Agency to consider emergency response actions at those sites which pose an imminent threat to human health or the environment. For the following reasons emergency actions do not appear to be necessary for this site:

- Wastes located on-site currently have not migrated off-site.
- The TAMCO site is surrounded by a fence which prevents public access.
- The site is located in an industrialized area with only 538 people living within 1 mile of the site.

5.0 Summary

The TAMCO site is an active steel minimill that uses scrap metal to produce steel reinforcing bar (rebar). During the production of the rebar, wastes generated include a nonhazardous slag and hazardous baghouse waste. The baghouse waste is classified as a Resource Conservation and Recovery Act (RCRA) waste (K061).

The TAMCO site is located at 12459 Arrow Highway in Rancho Cucamonga, San Bernardino County, California. The geographical coordinates for the site are Latitude 34° 05' 37" North and Longitude 117° 31' 57" West. TAMCO is located in Township 1 South, Range 6 West, Section 8. Land use in the vicinity of the site is principally industrial with some nearby agricultural and residential areas.

Prior to 1956 the TAMCO site was used for agricultural purposes. In 1956 the American Pipe and Construction Company built a melt shop for the production of steel billets that were shipped off-site for processing. In 1982 a rolling mill was constructed on the site to produce reinforcing bar (rebar). Currently, rebar and steel billets are produced on-site, and non-hazardous slag and baghouse waste are generated.

The TAMCO site encompasses approximately 60 acres, including an access road. The site is virtually flat and contains an office building, a furnace building, a baghouse, a rolling mill, maintenance shops, cooling towers, rail spurs, and storage yards. URS has identified three sources associated with the TAMCO site where hazardous materials or hazardous wastes are present: the slag pile, the radioactive baghouse waste, and the stabilized soil.

The slag pile is the largest potential source of contamination on-site. It is a pile of grayish material located in the northwestern portion of the TAMCO site. The slag pile is approximately 250 feet long by 100 feet wide and up to 25 feet in height. Based on a 1993 investigation of the slag pile by Mittelhauser Consultants, a layer of what appears to be baghouse waste disposed of on-site is incorporated within the slag pile. Samples collected from baghouse wastes and analyzed for total metals revealed levels of cadmium that exceed Reference Dose Screening Concentrations for soil contaminants. Analysis also revealed concentrations of cadmium, chromium, lead, nickel, and zinc greater than three times background concentrations. Samples collected from slag materials revealed concentrations of chromium and lead greater than three times background concentrations.

The groundwater pathway is the primary pathway of concern at the TAMCO site because groundwater is used extensively as a source of drinking water. There has not been an observed or projected release to groundwater. An observed release is when the chemical analysis of an environmental sample from a site is found to be three or more times above the background concentration, and some portion of the release is attributable to the site. Based on the depth to groundwater and the mobility of substances on-site, a release to groundwater is not expected.

The following are the Hazard Ranking System factors pertinent to this site:

- There is no documented release of contaminants attributable to the TAMCO site to groundwater beneath the site.
- The site is located in an industrialized area with approximately 538 people living within 1 mile of the site.
- Groundwater wells located within 4 miles of the site supply drinking water to an estimated 25,203 people.

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IX

Site Name: TAMCO **EPA ID #:** CAD982361404

Alias Site Names:

City: Rancho Cucamonga **County or Parish:** San Bernardino County **State:** CA

Refer to Report Dated: January 4, 1994 **Report Type:** Preliminary Assessment

Report developed by: URS Consultants, Inc.

DECISION:

☒ **1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:**

☒ 1a. Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)

☐ 1b. Site may qualify for further action, but is deferred to: ☐ RCRA ☐ NRC

☐ **2. Further Assessment Needed Under CERCLA** 2a. (optional) Priority: ☐ Higher ☐ Lower

2b. Activity Type ☐ PA ☐ ESI ☐ SI ☐ HRS evaluation

☐ Other_____

DISCUSSION/RATIONALE: No evidence of release of hazardous waste.

Report Reviewed and Approved by: J. Johnson **Signature:** J. Johnson **Date:** 6.21.94

Site Decision Made by: J. Johnson **Signature:** J. Johnson **Date:** 6.21.94

APPLICATION FOR HAZARDOUS WASTE FACILITY PERMIT VARIANCE

logged 7/10/89
R.G. VAR → STOR
Rec. 1710

California State Department of Health Services
Toxic Substances Control Division

Complete this application and submit it along with the information identified in the attached Supporting Documentation for Variance Application to the:

DEPARTMENT OF HEALTH SERVICES
TOXIC SUBSTANCES CONTROL DIVISION
REGION 3
1405 No. San Fernando Blvd. #300
Burbank, CA 91504

I. **The facility is owned /operated by** TAMCO

and is located at 12459 Arrow Highway
Etiwanda, CA 91739.

The facility is operating under Interim Status Document

N/A **/EPA ID#** CAD008288102.

II. Identify below all hazardous waste management operations at the facility. (Check all applicable items).

A. Container Storage

(X) Onsite storage less than 90 Days.
( ) Onsite storage more than 90 days. (Maximum one year)
( ) Onsite storage of small quantities more than 90-days. (Maximum one year).

B. Tank Storage

( ) Above ground tank (X) Underground tank
( ) Tank located within a vault
(X) Onsite storage less than 90 days (total tank contents must be emptied)
( ) Onsite storage more than 90 days (Maximum one year)

C. Treatment System

( ) System located above ground
( ) System located underground
( ) Elementary neutralization unit
( ) Totally enclosed treatment facility

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TOXIC SUBSTANCES CONTROL DIVISION
REGION 4
LONG BEACH

( ) Wastewater pretreatment unit
( ) Physical, chemical or biological treatment prior to disposal
( ) Other (Specify)_____.

III. Identify the operation for which you are requesting a variance and reasons for request.

PLEASE SEE ATTACHED SHEET

A principal executive officer for a corporation, general partner or proprietor for a partnership and a principal executive officer for a public agency must certify the following:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

MEL LAGER
(Name and Signature)

TAMCO
(Company or Applicant)

Manager, Engineering & Maint.
(Title)

P.O. Box 325, Etiwanda, CA 91739
(Mailing Address)

Leonard E. Robinson
(Contact Person)

714-987-2521
(Telephone Number)

(Date)

III. Identify the operation for which you are requesting a variance and reasons for request.

Baghouse dust collection from Steel Manufacturing. The waste classified as KO61 waste is currently is currently a Hard Hammer Waste: The three (3) disposal sites meeting the minimum technological standards utilized by TAMCO all have limited capacities for the acceptance of KO61 waste, thus disposal is based on "available space only" status, resulting in varying degrees of difficulty in regards to TAMCO's consistent conversancy to the less than 90 day generator on-site storage parameters.

SUPPORTING DOCUMENTATION FOR VARIANCE APPLICATION

1. On-site Waste Generator.

2. Waste is stored less than 90 days from date of generation.

3.
   a. 15, 20, and 40 cubic yard Roll-Off Boxes.
   b. Roll-Off boxes are constructed of steel.
   c. Roll-Off boxes are designed to prohibit spillage of contents. They are also lined with 6 mil polyethylene liners and are sealed and locked to prevent tampering of contents.
   d. See attached topographic map.
   e. M-1 and Heavy Industrial.

4.
   a. The baghouse waste is classified as:
      i KO61 - Emission control dust from the primary production of Steel in Electric Furnace by 40 CFR Section 261.32 (EPA/RCRA).
      ii Hazardous Waste Solid ORM-E NA 9189 per 49 CFR 172.101 (DOT).
      iii Baghouse Waste by Title 22, Section 66680 of the CCR.
   b. 8000 tons per annum.
   c. Waste is an inorganic product produced from the manufacturing of steel. Because the waste is neither acidic or basic, there is no reaction with the Roll-Off Boxes of Polyethylene Liners.
   d. See attached analysis.

5.
   a. Baghouse Waste from Dust Collector during the manufacture of steel.
   b. Waste is collected in loading hopper and off-load into 15, 20 and 40 cubic yard Roll-Off Boxes.
   c. No On-Site treatment is performed.

d. Waste is disposed at the following E.P.A. permitted disposal sites that meet the minimum technology criteria for "Soft Hammer" wastes:

i ENVIROSAFE SERVICES OF IDAHO (ESI)
IDD 073114654

ii UNITED STATES POLLUTION CONTROL, INC. (USPCI)
UTD 991301743

iii CHEMICAL WASTE MANAGEMENT, KETTLEMAN HILLS
CAT 000646117

6.

a. Entire plant is guarded 24-hours per day, 7 days a week by plant security. The hazardous waste area is one of the locations that is checked frequently.

The entire TAMCO plant is totally fenced in and it is locked in the evening. The only ingress is by the Security Office which is manned 24-hours per day, 7 days a week.

b. All personnel in manufacturing and production undergo training that includes:

i 20 CFR Hazardous Communication Standard

ii Prop 65 Notification (safe Drinking Water and Enforcement Act)

iii Personal Protection Training

iv Hazardous Waste Training and all other Federal, State and Local Regulations, Acts and Agencies that impact the production and hazardous waste management protocols and procedures at TAMCO.

7.

a. Waste in Underground Storage Tanks at TAMCO is not involved and have no need for variance at this time. It is a separate wastestream.

b. TAMCO is not a transfer facility.

STATE OF CALIFORNIA—HEALTH AND WELFARE AGENCY
DEPARTMENT OF HEALTH SERVICES
714/744 P STREET
SACRAMENTO, CA 95814
(916) 323-2913

September 15, 1988

RECEIVED
SEP 22 1988
Toxic Substances Control Division
Southern California Section
Los Angeles

logged 10/25/88
SS
1587

Mr. William J. Nelson
Tamco Steel
P.O. Box 325
Etiwanda, CA 91739

Dear Mr. Nelson:

THE TREZEK GROUP, INC. - POLYSILICATE TREATMENT OF HEAVY METAL CONTAMINATED SOIL, AT THE TAMCO STEEL PLANT, RANCHO CUCAMONGA

The Toxic Substances Control Division, Alternative Technology Section has reviewed the information submitted on your behalf by The Trezek Group, Inc., to support a request for a variance from the Hazardous Waste Facility permit requirements of Chapter 30, Division 4, Title 22, California Code of Regulations (CCR). These submissions include a variance application package dated July 13, 1988, and a health and safety plan dated July 18, 1988. The variance is to demonstrate the efficacy of a full-scale polysilicate process applied to excavated soil contaminated with heavy metals. The demonstration will be located at the Tamco Steel plant in Rancho Cucamonga.

The variance request is based primarily on the following supportive facts:

1. The proposed stabilization process has previously been demonstrated effective in a pilot test on a representative sample of the same material that will be treated under this variance.

2. Demonstration of the treatment process will proceed within 30 days from the date of issuance of this variance and will be completed within 90 days. The process will be used to stabilize heavy metals in a soil matrix. A maximum of 4,000 cubic yards of contaminated soil will be treated during the demonstration.

3. The purpose of the demonstration is to obtain data from a full-scale test to demonstrate and verify that the proposed treatment process is capable of dependably reducing soluble metal concentrations in the test site soil so as to render them nonhazardous.

4. The soil to be treated for this demonstration contains three metals at average concentrations which exceed their respective STLC values: e.g., lead (135 mg/l), zinc (1,860 mg/l), and cadmium (5.7 mg/l).

P-B

Based on the authority granted to the Department in Section 25143 of the Health and Safety Code and in Section 66310(a)(1) of Title 22 of the CCR, we find the heavy metal contaminated soils to be insignificant as a potential hazard to human health and safety and livestock or wildlife because of its low concentration, and chemical and physical characteristics. Therefore, the Department of Health Services, Toxic Substances Control Division, hereby grants a variance from the hazardous waste facility permit requirements for the limited term demonstration project you plan to conduct, subject to the following conditions:

1. All other federal, state or local statutes, regulations, ordinances, requirements, or limitations which are applicable to your project shall be followed.

2. The data from all measurements, and the results of all analytical procedures including those not required by this order, and copies of all other relevant data are to be forwarded to the following sections of the Division:

   Alternative Technology Section
   Toxic Substances Control Division
   714/744 P Street
   P.O. Box 942732
   Sacramento, CA 94234-7320
   ATTN: Ken Smarkel

   Jim Potter
   REGION 4/LONG BEACH
   Toxic Substances Control Division
   Department of Health Services
   245 W. Broadway, 3rd Floor
   Long Beach, CA 90802

3. The project will be installed and operated, and environmental samples taken and analyzed according to the Demonstration Protocol contained in Attachment A.

4. The contact for the Department will be Ken Smarkel at (916) 324-1942. The Department reserves the right to change the contact for the Department by either telephone or written notification.

5. The Department reserves the right to have personnel present at any time during the demonstration and to take or split samples of soil. The Department contact should be notified at least 72 hours before the demonstration project begins.

6. The Department contact shall be notified within 24 hours by telephone and within 72 hours in writing if any emergencies, hazardous waste releases, or lost time accidents occur during the operation of the treatment process described in the application. Also, 24 hour notification is required if any changes in the treatment process occur.

7. This variance shall apply only to the treatment process described in the submitted materials referred to above.

8. The demonstration test will be terminated at any time if the Department's representative believes that the health or safety of the participants or the general public is endangered or if the demonstration deviates from the approved workplan.

9. The Department reserves the right to modify or revoke this variance for any reason and at any time.

10. A brief final report of the results of the treatment process and the information obtained during the demonstration will be submitted to the Department contacts within one month of the conclusion of the demonstration activities.

11. This variance expires 120 calendar days after the date of issuance but may be renewed or extended by this Department upon written request.

12. The on-site storage of any hazardous wastes generated by the demonstration activities or remaining on-site following the demonstration will not exceed 90 days.

Sincerely,

Alex R. Cunningham

Alex R. Cunningham
Chief Deputy Director

Enclosures

cc: Paul Ryan, Acting Director
Environmental Health Services
385 North Arrowhead
San Bernardino, CA 92415

APPENDIX I

NOTICE OF EXEMPTION

TO: X Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

X County Clerk
County of San Bernardino
351 N. Arrowhead Drive, 2nd Floor
San Bernardino, CA 92415-0210

FROM: Alternative Technology Section
Toxic Substances Control Division
Department of Health Services
714/744 P Street
P.O. Box 942732
Sacramento, CA 94234-7320

Project Title
Demonstration of heavy metal stabilization process

Project Location - Specific
Tamco, Inc.
Rancho Cucamonga Plant

Project Location - City
Rancho Cucamonga

Project Location - County
San Bernardino

Description of Nature, Purpose, and Beneficiaries of Project
Treatment of approximately 5,000 tons of heavy metal contaminated soil to stabilize the soluble metal fraction. Process has already been demonstrated effective on a 100 ton sample of the same materials. This project will demonstrate the effectiveness of the technology at a full-scale site remediation.

Name of Public Agency Approving Project
Toxic Substances Control Division, Alternative Technology Section

Name of Person or Agency Carrying Out Project
The Trezek Group, Inc.

Exempt Status: (Check One)

____ Ministerial (Sec. 21080(b)(1); 15268);
____ Declared Emergency (Sec. 21080(b)(3); 15269(a));
____ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
X Categorical Exemption. State type and section number.

Section 15306, Class 6, Data Collection

Reasons why project is exempt:

Project is for basic data collection...which do not result in a serious or major disturbance to an environmental resource.

Contact Person

Ken Smarkel

Area Code/Telephone/Extension

(916) 324-1942

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a notice of exemption been filed by the public agency approving the project? Yes ____ No ____

Date Received for Filing: _____

Alex R. Cunningham 9/14/88

Signature Date Title

Revised August 1987

ATTACHMENT A

TEST PROTOCOL

All contaminated material to be treated will first be seived to remove the 0.5 in + nodules of previously treated K061 waste. The K061 waste will be separately stockpiled for later shipment and disposal at a Class I, hazardous waste landfill.

Sample aliquots of equal volume shall be obtained every thirty minutes from the belt feed before any chemical addition and at the treated soil discharge belt. The before treatment and after treatment aliquots shall be separately composited to generate two daily, composite samples one each for both before and after treatment. Two subsamples from each composite shall be used for analysis. A third subsample from each composite shall be sent to a second laboratory for a quality assurance check. Each subsample shall be analyzed for total and extractable (WET test) copper, lead, zinc, cadmium, and nickel as defined in Section 66700 of Title 22, CCR at a laboratory certified by the Department for these analyses.

A daily log shall be maintained for the duration of the project which includes total before treatment weight of processed material, K20 feed rate, water feed rate, and cementatious material feed rate. This log shall be submitted with the final project report.

Treated material from each day shall be stockpiled individually and labeled (signed) pending the results of laboratory analysis.

12459 Arrow Highway
Post Office Box 8
Etiwanda, California 91739
(714) 899-1723

Ameron
Steel and Wire
Division

RECEIVED
'87 MAY 20 PM 2 45
SO. CALIFORNIA SECTION
TOXIC SUBSTANCES
DEPT. OF HEALTH SER.

May 14, 1987

Department of Health Services
107 South Broadway
Room 7011
Los Angeles, CA 90012-4601

Attention: Mr. John Hinton
Toxic Substances Control Division

Dear Mr. Hinton,

Ameron Steel and Wire Division, located in Etiwanda, California, is prepared to purchase and install a "Ferrous Sulfate Heptahydrate Recovery System" which processes "spent" or "waste" sulfuric acid pickle liquor. We need to know if this process requires permitting by the Department of Health Services as a "Hazardous Waste Treatment Facility", or if Ameron would qualify for exemption as a "recycler". Also, are there any other Federal, State, or Local agencies that we should contact for permitting, etc?

Ameron Steel and Wire Division is a manufacturer of carbon steel wire and wire products. We purchase hot-rolled carbon steel rod, which must be "descaled" prior to our "cold-drawing" operations. "Descaling" is achieved through pickling in a solution of dilute sulfuric acid. When the iron content of the pickling solution reaches a saturation level of about 10%, the solution is no longer effective and must be disposed of. The system which we intend to purchase will process 100% of this "spent pickle liquor", producing two by-products;

1. Ferrous sulfate heptahydrate, a marketable commodity, and

2. Recovered dilute sulfuric acid, which will be 100% reused at our facility.

No disposable waste, either hazardous or non-hazardous will be generated from this recovery system.

Ameron believes that this program is in direct compliance with EPA's directive to reduce the volume and toxicity of waste generated, in an economically practical manner, which minimizes the present and future threat to human health and the enviroment.

Letter sent 12/15/87 -
Ken Chang -
I told him he needs to notify our
under 40 CFR 261.6(c)
A.D.

We are prepared to issue a purchase order to begin construction of the recovery unit, with installation tentatively scheduled for the first quarter of 1988. We will await your response before proceeding as assurance that our actions are in compliance with Federal and State Regulatory Agencies.

Should you have any questions or require additional information, please do not hesitate to contact me at Ameron Steel and Wire Division, (714) 899-1723.

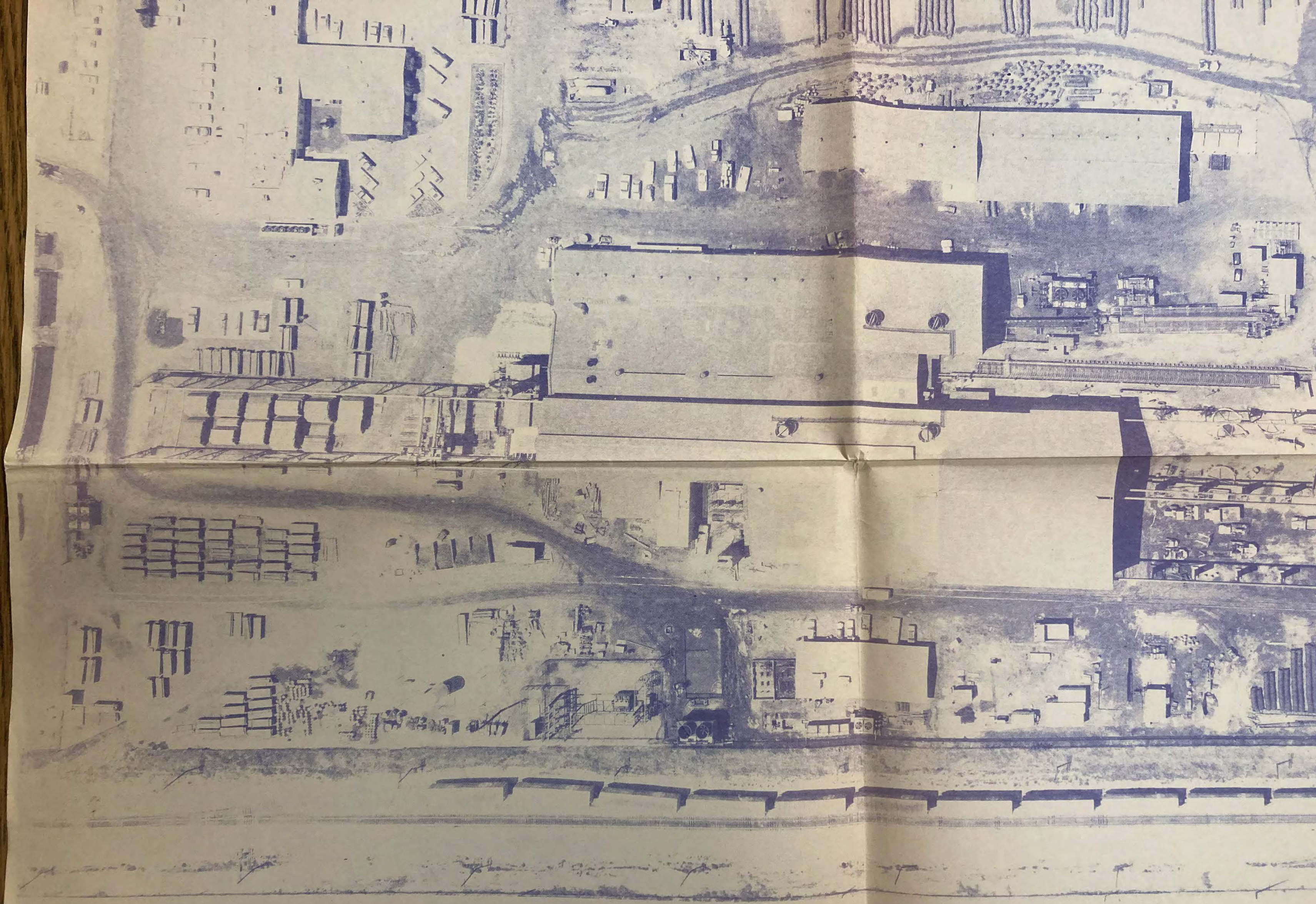
Sincerely,

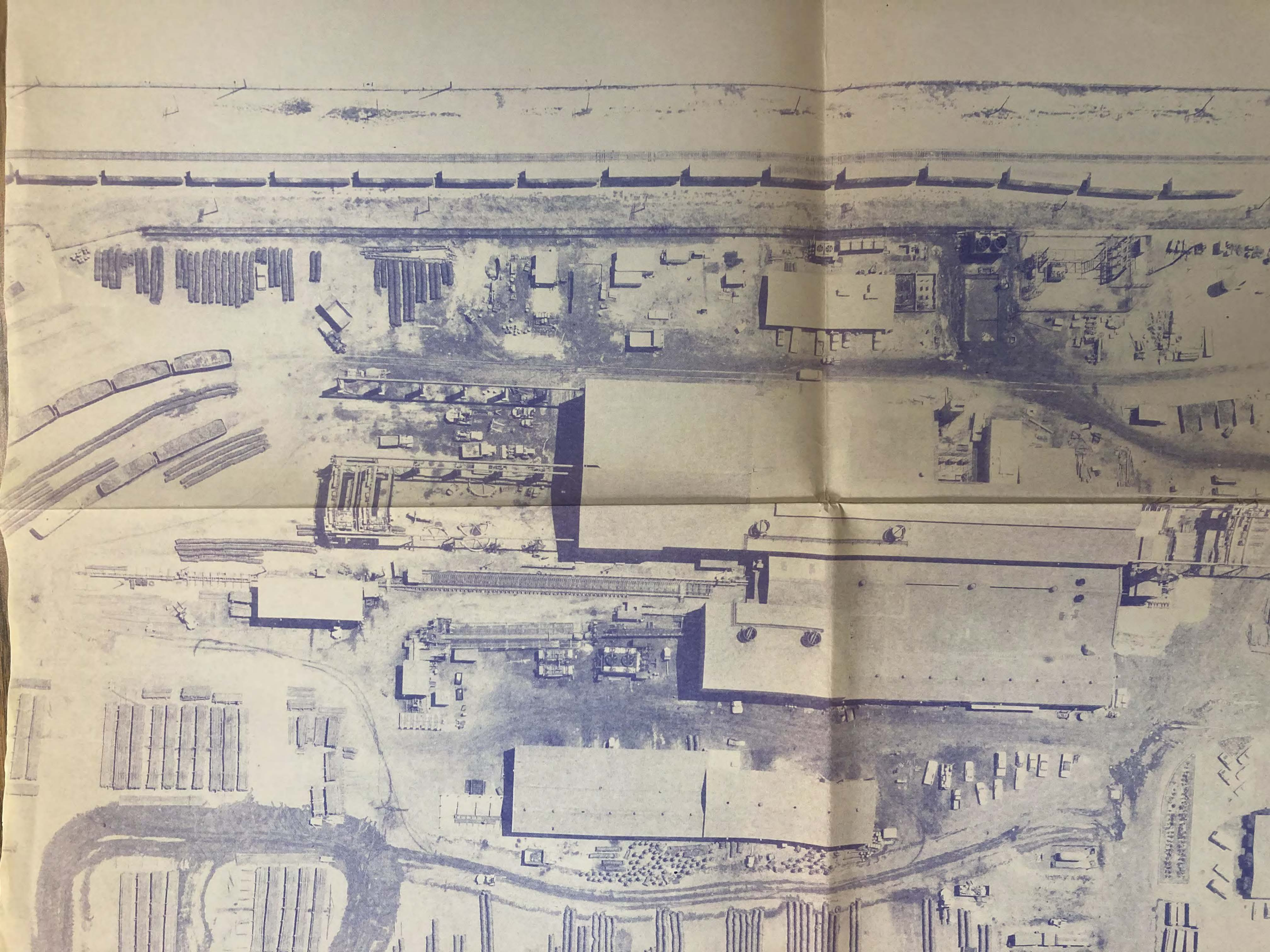
Frank E Sanske

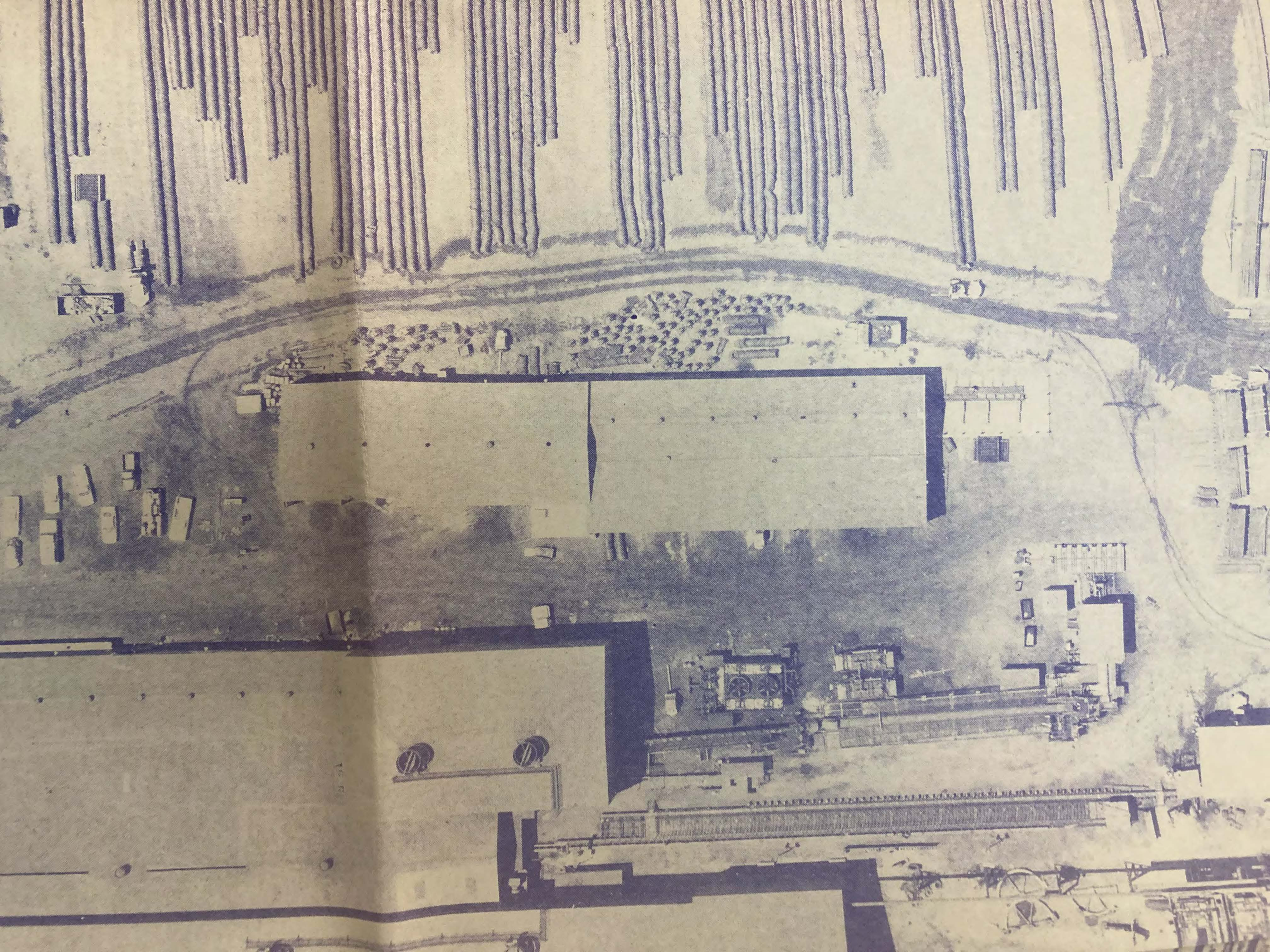
Frank E. Sanske
Quality Control Manager

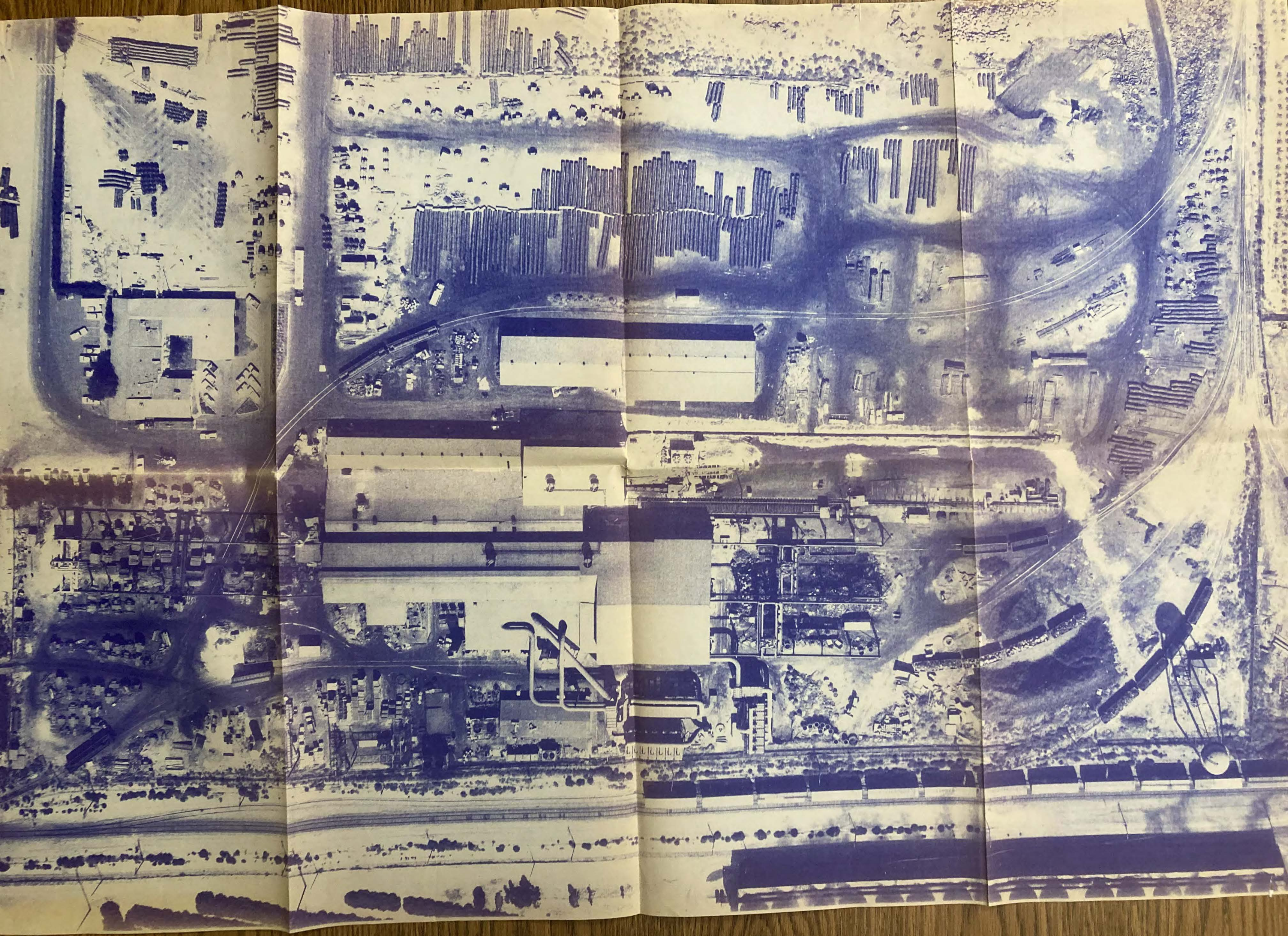
FES/cp

















462

/ PROPERTY
ACRES

FONTANA STEEL FACILITY
PARCEL #1 (14.339 ACRES)

FLAG	ITEM NO.	QUANTITY THIS DWG.	DESCRIPTION	MATERIAL SPECIFICATION

FENCED CONTAMINATED SLAG PILE
STORED JUNK
WORKING SLAG PILE
SLAB #5 (150 x 450')
SCRAP SLAB #3
SLAB #4 (140'x 300')
SCRAP SLAB #2
TOTAL SLAB AREA= 5 1/2 ACRES (247,500 SQ.FT.)
MAINTENANCE STORAGE YARD
MELT SHOP BURNING AREA
PARKING LOT
ELY PROPANE SYSTEM
SCALE HOUSE
LOCKER ROOM
BILLET COOLING BED
MELT SHOP AREA

N

IWP WIRE MILL

LEASED PROPERTY
PARCEL (27.37 ACRES)

MAIN OFFICE
PROJECT SHOP
WAREHOUSE
ROLL SHOP
ROLL MILL
MAINTENANCE
WAREHOUSE
MOBILE MAINTENANCE
ITAM REHEAT FURNACE
COOLING BED
NKK BUNDLING SYSTEM

AMERON
FERROMET

DRAWING NO.	COMPANY	TITLE
REFERENCES		

SYM	REVISIONS	DATE	BY	APPV

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TOLERANCES

DWG. SCALE 1=1000

TAMCO RANCHO CUCAMONGA, CALIFORNIA 91730

GENERAL PLANT
TAMCO FACILITY
PLANT LAYOUT

DESIGNED		DATE	
DRAWN	WCP	7/98	
CHECKED			
APPV'D			

4G2-6840-8 REV

AMERON

LEASED PROPERTY
PARCEL (27.37 ACRES)

MAIN OFFICE

PROJECT SHOP

WAREHOUSE

ROLL SHOP

ROLL MILL

ITAM
REHEAT
FURNACE

MAINTENANCE

MOBILE
MAINTENANCE

WAREHOUSE

COOLING BED

NKK
BUNDLING
SYSTEM

FERROMET

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TAMCO Steel

RANCHO CUCAMONGA, CALIFORNIA 91739

GENERAL PLANT
TAMCO FACILITY
PLANT LAYOUT

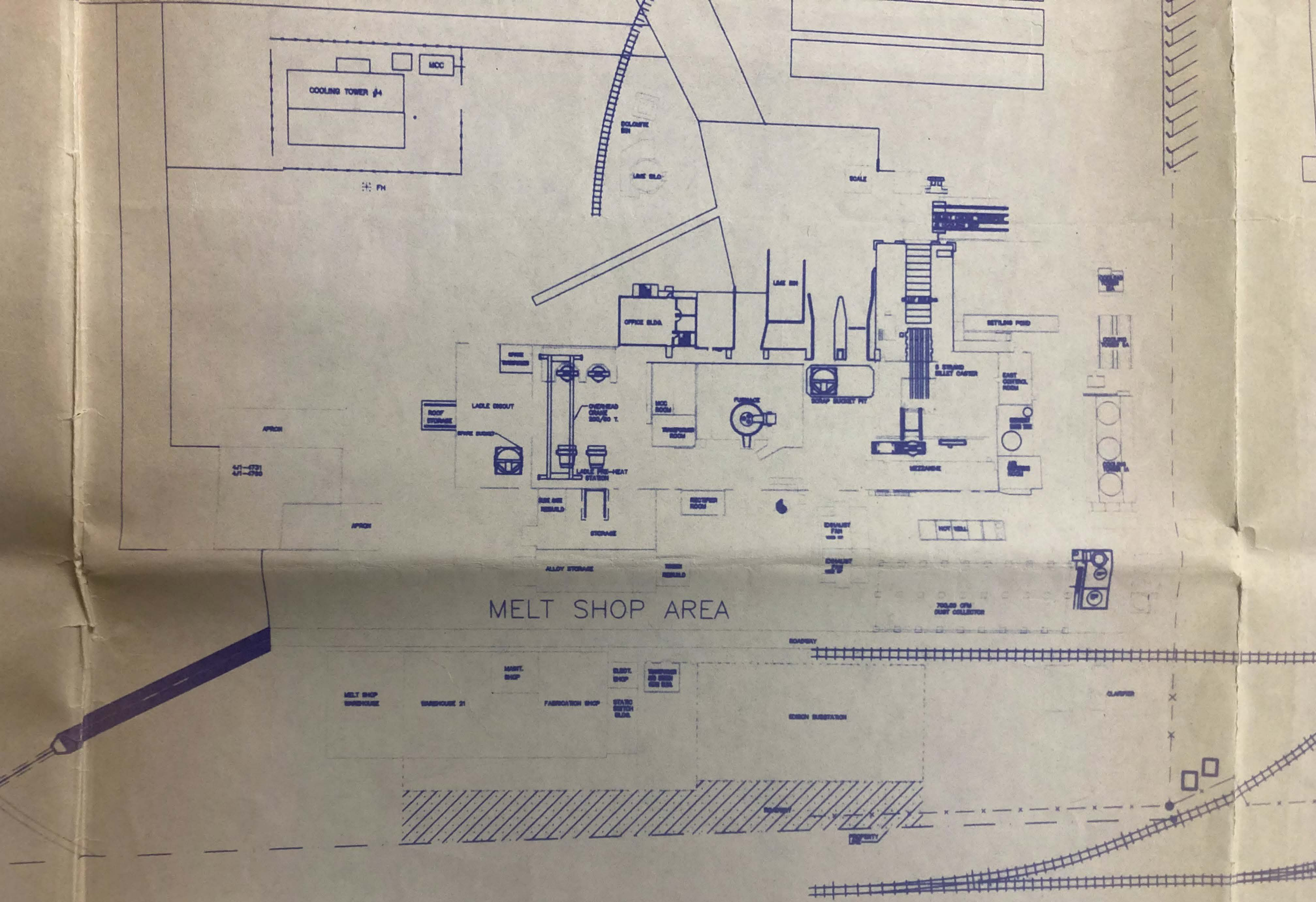
TOLERANCES

FRACT.	.X	.XX	.XXX	ANGLE

DESIGNED		DATE	

REV.

MELT SHOP AREA



FONTANA STEEL FACILITY
PARCEL #1 (14.339 ACRES)

OPERTY
ES

FENCED CONTAMINATED SLAG PILE

STORED JUNK

WORKING SLAG PILE

SLAB #5 (150 x 450')

SCRAP SLAB #3

SLAB #4 (140'x 300')

SCRAP SLAB #2

MAINTENANCE STORAGE YARD

MELT SHOP BURNING AREA

PARKING LOT

ELY PROPANE SYSTEM

SCALE HOUSE

LOCKER ROOM

PRIVATE ROAD TO & FROM ARROW HWY.

SCRAP YARD SLAB #1

BILLET COOLING BED

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

AMERON/STEEL & WIRE PROPERTY (36340064)

SIGN UP FOR EMAIL ALERTS

12459 ARROW ROUTE
ETIWANDA, CA 91739
SAN BERNARDINO COUNTY
SITE TYPE: VOLUNTARY AGREEMENT

SUPERVISOR: ALLAN PLAZA
OFFICE: CLEANUP CHATSWORTH
CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Summary | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen

Site Information

CLEANUP STATUS
NO FURTHER ACTION AS OF 4/23/1996

SITE TYPE: VOLUNTARY AGREEMENT
NATIONAL PRIORITIES LIST: NO
ACRES: NONE SPECIFIED
APN: 022913119
CLEANUP OVERSIGHT AGENCIES:
DTSC - LEAD AGENCY

ENVIROSTOR ID: 36340064
SITE CODE:
SPECIAL PROGRAM: VOLUNTARY AGREEMENT - STANDARD VOLUNTARY AGREEMENT
FUNDING: SITE PROPONENT
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 29

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
RECYCLING - SCRAP METAL, VEHICLE MAINTENANCE

POTENTIAL CONTAMINANTS OF CONCERN
METALS
UNCATEGORIZED

POTENTIAL MEDIA AFFECTED
SOIL

Site History

Ameron, Inc. currently owns the property has sold the Steel and Wire Manufacturing Operation to Industrial Wire Products, Inc., the current operator, and selling the land to IWP. The operation at the site consits of manufactring wire in mills inside the large wire mill building in the western portion of the facility using steel rod manufactrued from the steel mill facility (adjacent to the south of the property) from the time the Wire Mill Building was constru- cted (in early 1960s) until sale to the present operator. The east portion of the facilty was used from the mid 1960s to the late 1970s for the storage, processing and staging of scrap metal feed stock. Years of operation: Ameron - 1962 to 1990 IWP: - 1990 to Present date

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

BERNELL HYDRAULICS (60003183)

SIGN UP FOR EMAIL ALERTS

8810 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA 91739
SAN BERNARDINO COUNTY
SITE TYPE: VOLUNTARY AGREEMENT

PROJECT MANAGER: TRAVIS COBURN
SUPERVISOR: EMAD YEMUT
OFFICE: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Summary | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen

Site Information

CLEANUP STATUS
ACTIVE AS OF 9/17/2021

SITE TYPE: VOLUNTARY AGREEMENT
NATIONAL PRIORITIES LIST: NO
ACRES: 0.85 ACRES
APN: NONE SPECIFIED
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

ENVIROSTOR ID: 60003183
SITE CODE: 401987
SPECIAL PROGRAM: VOLUNTARY AGREEMENT - STANDARD VOLUNTARY AGREEMENT
FUNDING: SITE PROPONENT
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 29

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN
NONE SPECIFIED

POTENTIAL MEDIA AFFECTED
NONE SPECIFIED

Site History

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

DP ETIWANDA (60002634)

SIGN UP FOR EMAIL ALERTS

8822 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA 91739
SAN BERNARDINO COUNTY
SITE TYPE: VOLUNTARY AGREEMENT

PROJECT MANAGER: JOHNSON ABRAHAM
SUPERVISOR: SHAHIR HADDAD
OFFICE: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Summary | Land Use Restrictions | Activities | Community Involvement | Site/Facility Docs | Sub-Areas | Map | Related Sites | CalEnviroScreen

Site Information

CLEANUP STATUS
CERTIFIED O&M - LAND USE RESTRICTIONS ONLY AS OF 10/22/2020

SITE TYPE: VOLUNTARY AGREEMENT
NATIONAL PRIORITIES LIST: NO
ACRES: 11.82 ACRES
APN: NONE SPECIFIED
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

ENVIROSTOR ID: 60002634
SITE CODE: 401825
SPECIAL PROGRAM:
FUNDING: SITE PROPONENT
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 29

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
RAILROAD RIGHT OF WAY, RECYCLING - SCRAP METAL, UNDERGROUND STORAGE TANKS

POTENTIAL CONTAMINANTS OF CONCERN
CADMIUM AND COMPOUNDS
LEAD
POLYCHLORINATED BIPHENYLS (PCBS)
TPH-MOTOR OIL

POTENTIAL MEDIA AFFECTED
SOIL, SOIL VAPOR

Site History

The Site is a vacant property located at 8822 Etiwanda Avenue in the City of Rancho Cucamonga. The 11.82-acre property is located at the northwest corner of the Burlington Northern Santa Fe Railway and Etiwanda Avenue, in a heavily industrial land use area. The Site is currently vacant with various paved asphalt, concrete, and unimproved dirt surfaces. It historically consisted of agricultural land, a railroad spur (which currently still exists), and a single-family residence from 1938 until 1966. Automobile and scrap metal recycling operations began at the site in 1975 and continued to operate under various tenants until 2017.

The Site is planned for a redevelopment project, consisting of construction of a new ground-up tilt-up concrete 56,560 square foot (SF) industrial transportation facility, utilized for office space, storage, freight handling, shipping, and trucking services. The new building will consist of 10,000 SF of office space, 46,560 SF of warehouse space, 101 dock positions/doors, and approximately 144 trailer parking stalls and 88 auto parking stalls on-site. The development will include the construction of landscaping, street, utility, and circulation improvements.

In a letter dated February 14, 2018, DTSC provided comments on the Initial Study/Mitigated Negative Declaration for Design Review (MND) submitted by Dedeaux Properties. DTSC requested further evaluation of soil and soil vapor conditions at the Site to evaluate whether the former operations and features and historical uses of chemical or hazardous uses of chemical or hazardous materials have potentially resulted in environmental impacts to the Site.

Dedeaux agreed to perform an environmental investigation to address DTSC's stated concerns. On May 3, 2018 DTSC and Dedeaux entered into a Voluntary Cleanup Agreement (VCA) (Docket Number HSA-FY17/18-111) for DTSC's oversight of the environmental investigation and/or cleanup at the Site.

Previous Phase I Environmental Site Assessments were provided to DTSC as background information. A scoping meeting conference call was held on May 10, 2018 between for the project to discuss the scope of environmental investigation.

A Site Assessment Workplan (Ramboll, July 2018) was prepared for the Site with proposed environmental investigation activities to evaluate potential impact to soil and soil gas from past operations. DTSC approved the Workplan on August 2, 2018 for implementation. Preliminary data were provided to DTSC during the implementation of the Workplan that revealed elevated concentrations of metals, total petroleum hydrocarbons (TPH) and polychlorinated biphenyls (PCBs) in soil samples. Additional samples were collected to define extent of soil contamination. DTSC issued a letter on October 12, 2018 requesting a Preliminary Environmental Assessment (PEA) Report summarizing the findings of Site investigation.

A PEA Report was provided to DTSC (Ramboll, February 2020) that included a summary of excavation activities and confirmation sampling conducted at the Site. Residual concentrations of metals and PCBs left in place were below their established commercial/industrial screening levels, except for a few locations along the northern, western, and southern property lines. Clean imported soil was used to backfill the Site. The PEA Report included a human health risk assessment (HHRA) for an evaluation of on-site concentrations of contaminants left in place. The HHRA evaluation confirmed that residual concentrations were below appropriate risk thresholds under a commercial/industrial land use scenario. DTSC approved the PEA Report on August 5, 2020 and concurred with its conclusion that the Site was acceptable for its intended use provided a Land Use Covenant (LUC) was executed between DP Etiwanda, LLC and DTSC, restricting the property to commercial/industrial land use.

A subsequent limited site investigation was conducted at previously identified areas along the property boundary to determine extent of lead and/or PCBs contamination in shallow soil. Results of the limited investigation were summarized in the Limited Supplemental Site Investigation Report to Delineate Residual Soil Impact Along the Property Boundary (Ramboll, September 2020). Based on the limited investigation findings, residual concentrations of lead along the southern and northwest boundary were localized and slightly above the commercial/industrial screening level. PCBs detected in one area along the western boundary were within a risk management range and deemed acceptable for the Site’s commercial/industrial use. No additional investigation or cleanup is required at the Site for its current intended use. A LUC between DP Etiwanda, LLC and DTSC was executed on August 19, 2020 and recorded with the San Bernardino County Recorder’s Office on October 22, 2020. The LUC will ensure Site use is restricted to commercial/industrial. The LUC will prohibit certain Site uses including residential, hospital, and school; as well as require annual inspections and five-year reviews to ensure the LUC is still protective. The LUC will remain in place as long as concentrations of constituents of concern exceed limits appropriate for unrestricted Site use. The LUC requires a soil management plan in the case of soil disturbance at the four areas along the property boundary where PCB and/or lead exceed commercial/industrial screening.

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION (60001192)

SIGN UP FOR EMAI

8998 ETIWANDA AVENUE
SAN BERNARDINO, CA 91739
SAN BERNARDINO COUNTY
SITE TYPE: CORRECTIVE ACTION

PROJECT MANAGER: STEVEN ROU
SUPERVISOR: ANDRES CAN
OFFICE: CLEANUP CHATSWORTH
CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Summary | Activities | Community Involvement | Site/Facility Docs | Sub-Areas | Map | Related Sites | CalEnviroScreen | Permitting

Site Information

CLEANUP STATUS
ACTIVE AS OF 2/2/1995

SITE TYPE: CORRECTIVE ACTION
NATIONAL PRIORITIES LIST: NO
ACRES: 37 ACRES
APN: NONE SPECIFIED
CLEANUP OVERSIGHT AGENCIES:
DTSC - HAZARDOUS WASTE MANAGEMENT PROGRAM - LEAD AGENCY

ENVIROSTOR ID: 60001192
SITE CODE: 400437, 401962, 401967
SPECIAL PROGRAM:
FUNDING: RESPONSIBLE PARTY
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 29

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
ABOVE GROUND STORAGE TANKS

POTENTIAL CONTAMINANTS OF CONCERN
POLYCHLORINATED BIPHENYLS (PCBS)
VANADIUM AND COMPOUNDS

POTENTIAL MEDIA AFFECTED
SOIL

Site History

In 1996, SCE implemented a water quality monitoring program in response to a final judgment pursuant to a Stipulation, from the Superior Court of California, LA County, Number 12121 02/01/1995. The Stipulation alleged that Edison had stored hazardous wastes in non-permitted wastewater retention basins at their electrical generating stations in southern CA. Edison agreed to clean close the basins according to Chapter 15 of Title 22, CCR. The remainder of the property will be evaluated under corrective action.

As of 7-12-2018: The retention basins have been closed as of 2011. RCRA Facility Investigation is taking place at the moment, Inland Empire Utilities Agency (IEUA) has been determin be the property owner a portion of the facility and is proactive in expediting the corrective action for their portion of the facility. A RCRA Facility Investigation is underway. Comments have provided to both SCE and IEUA regarding the investigation.

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

DTSC is committed to providing transparency in the permitting process. DTSC is providing the estimated dates for key milestones in the permit decision process. Plar
are subject to change. If you have any questions about the information on this page, please contact the project manager identified below.

EPTC ETIWANDA (CAD079548574)

SIGN UP FOR EMAI

8998 ETIWANDA AVE
ETIWANDA, CA 91739
SAN BERNARDINO COUNTY

FACILITY TYPE: CLOSED
PROGRAM TYPE: HAZARDOUS WASTE FACILITY

CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Permitting | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen | Corrective Action

Site Information

SITE/FACILITY TYPE
CLOSED

SITE CODE	ASSEMBLY DISTRICT	SENATE DISTRICT
400437	50	29

Facility History

Facility Description / History:
Southern California Edison facilities are located in Los Angeles County. In the 1980s, the facilities generated and then stored hazardous waste in two surface impoundments.

Permitting Regulatory Description / History:
Southern California Edison facilities applied for a RCRA Permit. However, DTSC did not issue the facilities a permit and were exempted from Hazardous Waste RCRA Permit fee requirements. The facilities were then granted an Interim Status documented on March 30, 1981. Then granted a Variance Status on January 29, 1987, valid for 180 days, allowing the fa to perform on-site treatment for their liquid hazardous waste.

On February 1, 1995, a Final Judgement Pursuant to Stipulation, court order No. BC121219, was issued to close the Southern California Edison facilities: Alamitos, Cool Water, El Segu Etiwanda, Huntington Beach, Highgrove, Long Beach, Mandalay, Ormond Beach, Redondo Beach, and San Bernardino. The facilities had violated Hazardous Waste Laws and received penalties.

In response to the court order, the Southern California Edison (SCE) performed the investigation and activities to close two wastewater retention basins that had operated without a perm other form of authorization from the DTSC. The facilities were passed onto Corrective Action for closure. On December 21, 2011, EPTC-Etiwanda received a closure certification for thei closed units.

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Select Search Type

B & H Machine Inc

Arrow Rte

Fontana Steel Inc

Cass Construction

Parallel Products

Sa Recycling

Borg Mfg

Etiwanda Ave

1133 ft

1127 ft

City of Rancho Cucamonga, San Bernardino County, Bureau of Land Management, Esri, HERE,

600ft

Lindsey Dandridge-Perry

From: mcard@aqmd.gov
Sent: Friday, September 15, 2023 9:49 AM
To: Lindsey Dandridge-Perry
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1421094, -- Completion Letter

External Email



Lindsey Dandridge-perry

Kleinfelder

24411 Ridge Route Drive

Laguna Hills, Ca

Ref: Request for Records; Control No. **1421094**, Received 9/14/2023

RE: P/O'S, EQL'S, NOV'S, N/C'S & EMISSION SUM FOR 12343 ARROW ROUTE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

After a thorough search of this agency's records:

NO REQUESTED RECORDS WERE FOUND FOR THE ABOVE REFERENCED FACILITY OR FACILITY SITE.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Michelle Card

For Colleen Paine

Public Records Coordinator

Information Management

Lindsey Dandridge-Perry

From: mcard@aqmd.gov
Sent: Friday, September 15, 2023 9:47 AM
To: Lindsey Dandridge-Perry
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1421093, -- Completion Letter

External Email

Lindsey Dandridge-perry

Kleinfelder

24411 Ridge Route Drive

Laguna Hills, Ca 92653

Ref: Request for Records; Control No. **1421093**, Received 9/14/2023

RE: P/O'S, EQL'S, NOV'S, N/C'S & EMISSION SUM FOR 12353 ARROW ROUTE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

After a thorough search of this agency's records:

NO REQUESTED RECORDS WERE FOUND FOR THE ABOVE REFERENCED FACILITY OR FACILITY SITE.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Michelle Card

For Colleen Paine

Public Records Coordinator

Information Management

Lindsey Dandridge-Perry

From: lramos1@aqmd.gov
Sent: Tuesday, September 19, 2023 7:03 AM
To: Lindsey Dandridge-Perry
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1421092, -- Completion Letter

Follow Up Flag: Follow up
Flag Status: Flagged

External Email



Lindsey Dandridge-perry

Kleinfelder

24411 Ridge Route Drive

Laguna Hills, Ca 92653

Ref: Request for Records; Control No. **1421092**, Received 9/14/2023

RE: P/O'S, EQL'S, NOV'S, N/C'S & EMISSION SUM FOR 12451 ARROW ROUTE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

After a thorough search of this agency's records, the following records were found:

NOV'S & N/C'S FOR 12451 ARROW ROUTE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023. OPEN NOV

The following records were not found:

P/O'S, EQL'S & EMISSION SUM FOR 12451 ARROW ROUTE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

Your records were provided --Electronically-- on 9/19/2023.

Your records were sent on a link via a separate email. If you don't see this email, please check your spam and/or junk mail.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Lisa Ramos

For Colleen Paine

Public Records Coordinator

Information Management

South Coast AQMD (http://www.aqmd.gov/)

Facility INformation Detail (F.I.N.D.)

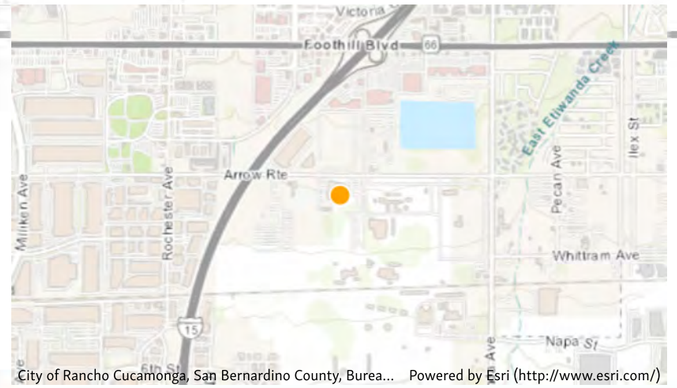
Select Search Type: Facility ID

Facility ID: 69235

FONTANA STEEL INC

Close

SEARCH



Address: 12451 ARROW HWY, RANCHO CUCAMONGA, CA 91730

Facility ID: 69235

Status: ACTIVE

Back Fees Due: No.

SIC Code
3369 NONFERROUS FOUNDRIES, NEC

Equipment List

1 Results

Sort: Application Number

190980 (.EquipmentListModal)
SERV STAT STORAGE & DISPENSING GASOLINE
Application Status : PERMIT TO OPERATE GRANTED
Permit Status : INACT_NR
Permit Number: M92118
Issue Date : 07/27/1989
Application Date : 04/19/1989
Type : Basic

Export all records to Excel

Compliance

Emissions

Hearing Board

Transportation

Documents

South Coast Air Quality Management District

NOV P72946

Run Date : 9/15/2023 06:37:34

Company

Facility:	SILVERADO CONTRACTORS INC (ID: 169385)
Location Address:	12451 ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	13804 OAKS, AVE CHINO, CA 91710
AIRS ID	

Violation

Notice Issued Date:	9/12/2023
Violation Date:	5/26/2023
Serve To:	CHAD CASTRO
Title:	PROJECT MANAGER
Issue By:	ALISHA LEWIS (Team: X)
Assignment No.:	2086271
Equipment Description:	

Violation: Failure to notify the District at least 24 hours prior to excavation, Failure to calibrate OVA at least every 3 months.

Disposition

Final Action Code:	
Achieved Date:	09/12/2023
Due Date:	
Violation Days:	0

Rule/Comment

1166	(c)(1)(B)
221(B)	A/N 612303 condition 9 and 12

Emittent

Follow-Up

Status: INCOMP Inspector ID: AL06 Inspection Date: 09/12/23 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: lramos

South Coast Air Quality Management District

NOV P72945

Run Date : 9/15/2023 06:38:17

Company

Facility:	ROUX ASSOCIATES, INC. (ID: 189893)
Location Address:	12451 ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	5150 E PACIFIC COAST, HWY LONG BEACH, CA 90804
AIRS ID	

Violation

Notice Issued Date:	9/12/2023
Violation Date:	5/26/2023
Serve To:	PETER SHIMER ANTHONY WARD
Title:	SR. GEOLOGIST/PRINC. GEOL
Issue By:	ALISHA LEWIS (Team: X)
Assignment No.:	2086270
Equipment Description:	

Violation: Failure to notify the District at least 24 hours prior to excavation, Failure to calibrate OVA at least every 3 months.

Disposition

Final Action Code:	
Achieved Date:	09/12/2023
Due Date:	
Violation Days:	0

Rule/Comment

1166 (c)(1)(B)
221(B) A/N 612303 condition 9 and 12

Emittent

Follow-Up

Status: INCOMP Inspector ID: AL06 Inspection Date: 09/12/23 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: lramos

South Coast Air Quality Management District

NC E56580

Run Date : 9/15/2023 06:38:38

Company

Facility:	ROUX ASSOCIATES, INC. (ID: 189893)
Location Address:	12451 ARROW ROUT RANCHO CUCAMONGA, CA 91739
Mailing Address:	5150 E PACIFIC COAST, HWY LONG BEACH, CA 90804
AIRS ID	

Violation

Notice Issued Date:	5/26/2023
Violation Date:	5/26/2023
Serve To:	IAN CROSS
Title:	PROJECT GEOLOGIST
Issue By:	STEPHEN SMOLENSKI (Team: X)
Assignment No.:	2061506
Compliance Achieved Date:	06/01/2023
Equipment Description:	
Compliance Requirements:	Provide proof of manufacturer calibration for OVA, provide VOC monitoring data from 2_15_23 to present

Disposition

Final Action Code:	CLO 7/28/2023 00:00:00
Due Date:	6/9/2023
Violation Days:	0

Rule/Comment

42303

Emittent

Follow-Up

Status: NCINFOS Inspector ID: SS07 Inspection Date: 06/01/23 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: lramos

South Coast Air Quality Management District

NC E56579

Run Date : 9/15/2023 06:39:03

Company

Facility:	ROUX ASSOCIATES, INC. (ID: 189893)
Location Address:	12451 ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	5150 E PACIFIC COAST, HWY LONG BEACH, CA 90804
AIRS ID	

Violation

Notice Issued Date:	5/26/2023
Violation Date:	5/26/2023
Serve To:	IAN CROSS
Title:	PROJECT GEOLOGIST
Issue By:	STEPHEN SMOLENSKI (Team: X)
Assignment No.:	2061504
Compliance Achieved Date:	05/26/2023
Equipment Description:	
Compliance Requirements:	Keep a signed copy of the approved plan on site during the entire extraction period

Disposition

Final Action Code:	CLO 5/30/2023 00:00:00
Due Date:	6/9/2023
Violation Days:	0

Rule/Comment

1166 (C)(1)(A)

Emittent

Follow-Up

Status: WARN Inspector ID: SS07 Inspection Date: 05/26/23 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: lramos

South Coast Air Quality Management District

NC E56577

Run Date : 9/15/2023 06:39:42

Company

Facility:	SILVERADO CONTRACTORS INC (ID: 169385)
Location Address:	12451 ARROW ROUT RCH CUCAMONGA, CA 91739
Mailing Address:	13804 OAKS, AVE CHINO, CA 91710
AIRS ID	

Violation

Notice Issued Date:	5/26/2023
Violation Date:	5/26/2023
Serve To:	AARON TEAGUE
Title:	
Issue By:	STEPHEN SMOLENSKI (Team: X)
Assignment No.:	2061512
Compliance Achieved Date:	07/14/2023
Equipment Description:	
Compliance Requirements:	Provide proof of manufacturer calibration for OVA, provide VOC monitoring data from 2_15_23 to present

Disposition

Final Action Code:	CLO 7/14/2023 00:00:00
Due Date:	6/9/2023
Violation Days:	0

Rule/Comment

42303

Emittent

Follow-Up

Status: NCINFOS Inspector ID: SS07 Inspection Date: 07/14/23 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: lramos

Lindsey Dandridge-Perry

From: LTrapp@aqmd.gov
Sent: Thursday, September 21, 2023 12:07 PM
To: Lindsey Dandridge-Perry
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1421090, -- Completion Letter

Follow Up Flag: Follow up
Flag Status: Flagged

External Email



Lindsey Dandridge-perry

Kleinfelder

24411 Ridge Route Drive

Laguna Hills, Ca 92653

Ref: Request for Records; Control No. **1421090**, Received 9/14/2023

RE: P/O'S, EQL'S, NOV'S, N/C'S & EMISSION SUM FOR 12459 ARROW ROUTE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

After a thorough search of this agency's records, the following records were found:

P/O'S, EQL'S, NOV'S, N/C'S & EMISSION SUM [FOR ID'S 18931 & 172593 IN FIND] FOR 12459 ARROW ROUTE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

Your records were provided --Electronically-- on 9/21/2023.

PLEASE NOTE TITLE V PERMITS FOR FACILITY ID'S #172593, & #185588 CAN BE FOUND ONLINE AT: http://onbase-pub.aqmd.gov/publicaccess/DatasourceTemplate.aspx

Your records were sent on a link via a separate email. If you don't see this email, please check your spam and/or junk mail.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Lora Trapp

For Colleen Paine

Public Records Coordinator

Information Management

South Coast AQMD (http://www.aqmd.gov/)

Facility INformation Detail (F.I.N.D.)

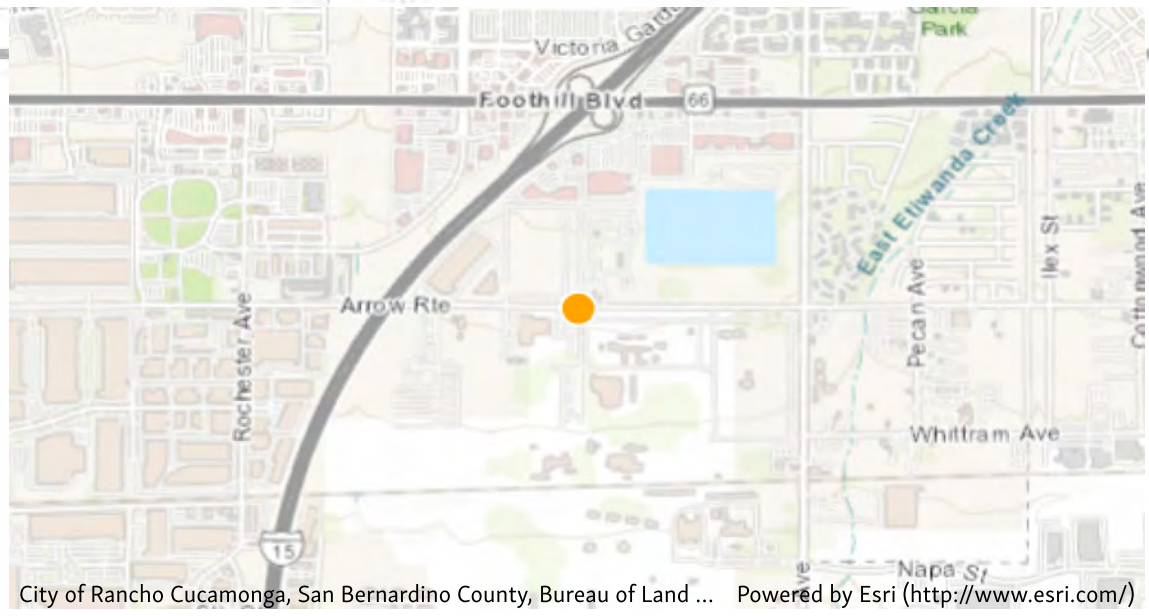
TAMCO

Select Search Type: Facility ID

Facility ID: 18931

Close

SEARCH



Address: 12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739

Facility ID: 18931

Status: ACTIVE

Back Fees Due: No.

SIC Code
3312 BLAST FURNACES AND STEEL MILLS

Equipment List

154 Results

Sort: Application Number

E1912B (.EquipmentListModal)
FURNACE ARC IRON-STEEL
Application Status : PERMIT TO OPERATE GRANTED
Permit Status : INACTIVE
Type : Basic

E1912B (.EquipmentListModal)
BAGHOUSE
Application Status : PERMIT TO OPERATE GRANTED
Permit Status : INACTIVE
Type : Control

E01913 (.EquipmentListModal)
FURNACE ARC IRON-STEEL
Application Status : PERMIT TO OPERATE GRANTED
Permit Status : INACTIVE
Application Date : 01/01/1990
Type : Basic

E01913 (.EquipmentListModal)
BAGHOUSE, AMBIENT TEMP (>500 SQ FT)
Application Status : PERMIT TO OPERATE GRANTED
Permit Status : INACTIVE
Application Date : 01/01/1990
Type : Control

626344 (.EquipmentListModal)
FURNACE OTHER MET OPS BR-OTHER/BZ/CU
Application Status : ASSIGNED TO ENGINEER - CLASS III
Application Date : 12/29/2020
Type : Basic

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 09:17 AM

Facility: 18931 TAMCO
Status: Active
MR: 0502 SIC: 3312 Team: X
Last Inspection: 02/17/2023 On Hold: N Suspended: N TS: TS-02 Cycle II RECLAIM/Title V Facility
Quarter: 0001 - inspect in 4th quarter, every year
Contact: LEONARD ROBINSON (909) 8990631 x203 RECLAIM: Y TITLE V: Y AIRS ID: 0607100517
Assignment: 2041369
Location Address: 12459-B ARROW ROUTE, RANCHO CUCAMONGA 91739-9601 Sector:EG
Inspector: KD03 KENNETH DUDASH
Mailing Address: P.O. BOX 911, SEGUIN 78156-0911
Inspection Date: 02/17/2023
Instruction:
Disposition: Change of Ownership

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
626343				000403	BCAT	COOLING TOWER OR POND	12/29/2020	ASSIGNED TO ENGINEER - CLASS III
626344				001920	BCAT	FURNACE OTHER MET OPS BR-OTHER/BZ/CU	12/29/2020	ASSIGNED TO ENGINEER - CLASS III
622654				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	06/18/2020	BANKING/ PLAN GRANTED, NON BILLABLE
619434				001230	BCAT	FURNACE ARC IRON-STEEL	03/03/2020	ASSIGNED TO ENGINEER - CLASS III
619435				000403	BCAT	COOLING TOWER OR POND	03/03/2020	ASSIGNED TO ENGINEER - CLASS III
619436				019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	03/03/2020	ASSIGNED TO ENGINEER - CLASS III
619437				019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	03/03/2020	ASSIGNED TO ENGINEER - CLASS III
619438				019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	03/03/2020	ASSIGNED TO ENGINEER - CLASS III
619439				703920	BCAT	STORAGE SILO LIME & LIMESTONE	03/03/2020	ASSIGNED TO ENGINEER - CLASS III
619440				707920	BCAT	STORAGE SILO MINERALS MISC	03/03/2020	ASSIGNED TO ENGINEER - CLASS III
620625				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	03/03/2020	BANKING/ PLAN GRANTED, NON BILLABLE
619156				999000	BCAT	EMISSION REDUCTION CREDIT	02/19/2020	APPLICATION REJECTED
619157				999000	BCAT	EMISSION REDUCTION CREDIT	02/19/2020	APPLICATION REJECTED
619158				999000	BCAT	EMISSION REDUCTION CREDIT	02/19/2020	APPLICATION REJECTED
619159				999000	BCAT	EMISSION REDUCTION CREDIT	02/19/2020	APPLICATION REJECTED
619160				999000	BCAT	EMISSION REDUCTION CREDIT	02/19/2020	APPLICATION REJECTED
619161				999000	BCAT	EMISSION REDUCTION CREDIT	02/19/2020	APPLICATION REJECTED
619162				999000	BCAT	EMISSION REDUCTION CREDIT	02/19/2020	APPLICATION REJECTED
617983				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	01/02/2020	BANKING/ PLAN GRANTED, NON BILLABLE
615458				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	08/27/2019	APPLICATION CANCELLED, KEEP ALL FEES
615459				22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	08/27/2019	APPLICATION CANCELLED, KEEP ALL FEES
615460				999992	BCAT	UNSPECIFIED EQUIP/PROCESS (SCH B)	08/27/2019	APPLICATION REJECTED
613963				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	06/21/2019	BANKING/ PLAN GRANTED, NON BILLABLE
607589				22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	09/28/2018	ASSIGNED TO ENGINEER - CLASS III
606872				666402	BCAT	Rule 1420.2 Compliance Plan	08/28/2018	APPLICATION CANCELLED, KEEP ALL FEES
602888				555002	BCAT	TITLE V PERMIT RENEWAL APPLICATION	04/10/2018	BANKING/ PLAN GRANTED, NON BILLABLE
599937				666402	BCAT	Rule 1420.2 Compliance Plan	01/05/2018	APPLICATION REJECTED
598612				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	11/01/2017	BANKING/ PLAN GRANTED, NON BILLABLE
595427				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	06/27/2017	BANKING/ PLAN GRANTED, NON BILLABLE
595429				707900	BCAT	STORAGE TANK MINERALS MISC	06/27/2017	APPLICATION CANCELLED, KEEP ALL FEES
591098				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	01/03/2017	BANKING/ PLAN GRANTED, NON BILLABLE
586135				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	06/09/2016	BANKING/ PLAN GRANTED, NON BILLABLE
586136				38	CCAT	BAGHOUSE, HOT	06/09/2016	APPLICATION CANCELLED, KEEP ALL FEES
582911				666422	BCAT	R-1420.2-Ambient Lead Monitoring Plans	03/01/2016	INACTIVE PLAN, NON-BILLABLE
571245				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	12/19/2014	BANKING/ PLAN GRANTED, NON BILLABLE

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 09:17 AM

Facility: 18931 TAMCO
Status: Active
MR: 0502 SIC: 3312 Team: X
Last Inspection: 02/17/2023 On Hold: N Suspended: N TS: TS-02 Cycle II RECLAIM/Title V Facility
Quarter: 0001 - inspect in 4th quarter, every year
Contact: LEONARD ROBINSON (909) 8990631 x203 RECLAIM: Y TITLE V: Y AIRS ID: 0607100517
Assignment: 2041369
Location Address: 12459-B ARROW ROUTE, RANCHO CUCAMONGA 91739-9601 Sector:EG
Inspector: KD03 KENNETH DUDASH
Mailing Address: P.O. BOX 911, SEGUIN 78156-0911
Inspection Date: 02/17/2023
Instruction:
Disposition: Change of Ownership

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
558456				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	11/26/2013	BANKING/ PLAN GRANTED, NON BILLABLE
558457				707920	BCAT	STORAGE SILO MINERALS MISC	11/26/2013	APPLICATION CANCELLED, KEEP ALL FEES
558458				38	CCAT	BAGHOUSE, HOT	11/26/2013	APPLICATION CANCELLED, KEEP ALL FEES
558459				001230	BCAT	FURNACE ARC IRON-STEEL	11/26/2013	APPLICATION CANCELLED, KEEP ALL FEES
555556				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	08/27/2013	BANKING/ PLAN GRANTED, NON BILLABLE
554503				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	07/24/2013	BANKING/ PLAN GRANTED, NON BILLABLE
553957				000992	BCAT	ERC - CHANGE OF TITLE	07/05/2013	BANKING/ PLAN GRANTED, NON BILLABLE
552125				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	06/04/2013	BANKING/ PLAN GRANTED, NON BILLABLE
552123				38	CCAT	BAGHOUSE, HOT	06/04/2013	APPLICATION CANCELLED, KEEP ALL FEES
552124				75	CCAT	BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT)	06/04/2013	APPLICATION CANCELLED, KEEP ALL FEES
549172				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	04/12/2013	BANKING/ PLAN GRANTED, NON BILLABLE
545965				000992	BCAT	ERC - CHANGE OF TITLE	12/27/2012	BANKING/ PLAN GRANTED, NON BILLABLE
545966				000992	BCAT	ERC - CHANGE OF TITLE	12/27/2012	BANKING/ PLAN GRANTED, NON BILLABLE
545975				000992	BCAT	ERC - CHANGE OF TITLE	12/27/2012	BANKING/ PLAN GRANTED, NON BILLABLE
545977				000992	BCAT	ERC - CHANGE OF TITLE	12/27/2012	BANKING/ PLAN GRANTED, NON BILLABLE
545978				000992	BCAT	ERC - CHANGE OF TITLE	12/27/2012	BANKING/ PLAN GRANTED, NON BILLABLE
545979				000992	BCAT	ERC - CHANGE OF TITLE	12/27/2012	BANKING/ PLAN GRANTED, NON BILLABLE
545987				000992	BCAT	ERC - CHANGE OF TITLE	12/27/2012	BANKING/ PLAN GRANTED, NON BILLABLE
545988				000992	BCAT	ERC - CHANGE OF TITLE	12/27/2012	BANKING/ PLAN GRANTED, NON BILLABLE
545869				000992	BCAT	ERC - CHANGE OF TITLE	12/21/2012	BANKING/ PLAN GRANTED, NON BILLABLE
546002				555002	BCAT	TITLE V PERMIT RENEWAL APPLICATION	12/21/2012	BANKING/ PLAN GRANTED, NON BILLABLE
546004				666302	BCAT	CAM PLAN(COMPL. ASSURANCE MONITORING)	12/21/2012	APPLICATION CANCELLED, KEEP FILING FEES
544818				666402	BCAT	Rule 1420.2 Compliance Plan	11/13/2012	APPLICATION CANCELLED, KEEP ALL FEES
540078				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	06/29/2012	BANKING/ PLAN GRANTED, NON BILLABLE
537042				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	05/01/2012	BANKING/ PLAN GRANTED, NON BILLABLE
536518				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	03/30/2012	BANKING/ PLAN GRANTED, NON BILLABLE
531291				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	12/30/2011	APPLICATION CANCELLED, KEEP ALL FEES
531292				000403	BCAT	COOLING TOWER OR POND	12/30/2011	APPLICATION CANCELLED, KEEP ALL FEES
531293				000403	BCAT	COOLING TOWER OR POND	12/30/2011	APPLICATION CANCELLED, KEEP ALL FEES
528831				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	10/28/2011	BANKING/ PLAN GRANTED, NON BILLABLE
527124				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	09/08/2011	BANKING/ PLAN GRANTED, NON BILLABLE
526435				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	08/16/2011	BANKING/ PLAN GRANTED, NON BILLABLE
510537				555012	BCAT	TV/RECLAIM REVISION-NOEVAL	05/04/2010	BANKING/ PLAN GRANTED, NON BILLABLE
506459				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	02/03/2010	BANKING/ PLAN GRANTED, NON BILLABLE
493155				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	01/07/2009	BANKING/ PLAN GRANTED, NON BILLABLE

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 09:17 AM

Facility: 18931 TAMCO
Status: Active
MR: 0502 SIC: 3312 Team: X
Last Inspection: 02/17/2023 On Hold: N Suspended: N TS: TS-02 Cycle II RECLAIM/Title V Facility
Quarter: 0001 - inspect in 4th quarter, every year
Contact: LEONARD ROBINSON (909) 8990631 x203 RECLAIM: Y TITLE V: Y AIRS ID: 0607100517
Assignment: 2041369
Location Address: 12459-B ARROW ROUTE, RANCHO CUCAMONGA 91739-9601 Sector:EG
Inspector: KD03 KENNETH DUDASH
Mailing Address: P.O. BOX 911, SEGUIN 78156-0911
Inspection Date: 02/17/2023
Instruction:
Disposition: Change of Ownership

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
489916				666461	BCAT	R-461-GASOLINE TRANSFER AND DISP (GDF)	09/30/2008	BANKING/ PLAN GRANTED, NON BILLABLE
488473				000992	BCAT	ERC - CHANGE OF TITLE	09/02/2008	BANKING/ PLAN GRANTED, NON BILLABLE
478046				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	02/13/2008	BANKING/ PLAN GRANTED, NON BILLABLE
477988				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	02/08/2008	BANKING/ PLAN GRANTED, NON BILLABLE
477989				001230	BCAT	FURNACE ARC IRON-STEEL	02/08/2008	APPLICATION CANCELLED, KEEP ALL FEES
477990				38	CCAT	BAGHOUSE, HOT	02/08/2008	APPLICATION CANCELLED, KEEP ALL FEES
472952				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	08/21/2007	BANKING/ PLAN GRANTED, NON BILLABLE
472810				666302	BCAT	CAM PLAN(COMPL. ASSURANCE MONITORING)	08/15/2007	INACTIVE PLAN, BILLABLE
471358				555002	BCAT	TITLE V PERMIT RENEWAL APPLICATION	06/27/2007	BANKING/ PLAN GRANTED, NON BILLABLE
464284				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	01/10/2007	BANKING/ PLAN GRANTED, NON BILLABLE
463937				001930	BCAT	FURNACE OTHER MET OPS IRON-STEEL	12/19/2006	APPLICATION CANCELLED, KEEP ALL FEES
458463				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	06/29/2006	BANKING/ PLAN GRANTED, NON BILLABLE
458461				75	CCAT	BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT)	06/29/2006	APPLICATION CANCELLED, KEEP FILING FEES
452486				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	01/18/2006	BANKING/ PLAN GRANTED, NON BILLABLE
446463				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	07/20/2005	BANKING/ PLAN GRANTED, NON BILLABLE
423468				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	12/30/2003	BANKING/ PLAN GRANTED, NON BILLABLE
392647				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	10/30/2001	BANKING/ PLAN GRANTED, NON BILLABLE
390899				666208	BCAT	R-2009.1 NON POWER FAC. OPT 1	09/12/2001	APPLICATION DENIED
374770				043001	BCAT	I C E (50-500 HP) EM ELEC GEN-NAT GAS	09/28/2000	APPLICATION DENIED
367849				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	02/09/2000	BANKING/ PLAN GRANTED, NON BILLABLE
351297				036406	BCAT	I C E (50-500 HP) GASOLINE	03/05/1999	APPLICATION CANCELLED, KEEP ALL FEES
351298				036906	BCAT	I C E (50-500 HP) DIESEL	03/05/1999	APPLICATION CANCELLED, KEEP ALL FEES
332431				555001	BCAT	INITIAL TITLE V PERMIT APPLICATION	07/29/1997	BANKING/ PLAN GRANTED, NON BILLABLE
305010				666420	BCAT	PLAN, RULE 1420 LEAD COMPLIANCE	07/05/1995	INACTIVE PLAN, BILLABLE
173841				332900	BCAT	STORAGE TANK FUEL OIL	08/24/1988	APPLICATION CANCELLED, REFUND ALL FEES
263745				666015	BCAT	PLAN RULE 708.1	01/01/1900	APPLICATION CANCELLED, KEEP FILING FEES
595428	G62990	09/25/2020	INACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	06/27/2017	PERMIT TO OPERATE GRANTED
586137	G62985	09/25/2020	INACTIVE	707920	BCAT	STORAGE SILO MINERALS MISC	06/09/2016	PERMIT TO OPERATE GRANTED
619027	G60844	03/06/2020	INACTIVE	222001	BCAT	Cooling Tower, Rule 222	02/05/2020	PERMIT TO OPERATE GRANTED
598611	G55534	12/27/2018	INACTIVE	001920	BCAT	FURNACE OTHER MET OPS BR-OTHER/BZ/CU	11/01/2017	PERMIT TO OPERATE GRANTED
537040	G55524	12/27/2018	INACTIVE	000403	BCAT	COOLING TOWER OR POND	05/01/2012	PERMIT TO OPERATE GRANTED
537041	G55531	12/27/2018	INACTIVE	000403	BCAT	COOLING TOWER OR POND	05/01/2012	PERMIT TO OPERATE GRANTED
555557	G46403	05/05/2017	INACTIVE	019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	08/27/2013	PERMIT TO OPERATE GRANTED
555558	G46404	05/05/2017	INACTIVE	019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	08/27/2013	PERMIT TO OPERATE GRANTED
555559	G46406	05/05/2017	INACTIVE	019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	08/27/2013	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 09:17 AM

Facility: 18931 TAMCO
Status: Active
MR: 0502 SIC: 3312 Team: X
Last Inspection: 02/17/2023 On Hold: N Suspended: N TS: TS-02 Cycle II RECLAIM/Title V Facility
Quarter: 0001 - inspect in 4th quarter, every year
Contact: LEONARD ROBINSON (909) 8990631 x203 RECLAIM: Y TITLE V: Y AIRS ID: 0607100517
Assignment: 2041369
Location Address: 12459-B ARROW ROUTE, RANCHO CUCAMONGA 91739-9601 Sector:EG
Inspector: KD03 KENNETH DUDASH
Mailing Address: P.O. BOX 911, SEGUIN 78156-0911
Inspection Date: 02/17/2023
Instruction:
Disposition: Change of Ownership

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
549173	G46402	05/05/2017	INACTIVE	001920	BCAT	FURNACE OTHER MET OPS BR-OTHER/BZ/CU	04/02/2013	PERMIT TO OPERATE GRANTED
554502	G29604	01/28/2014	INACTIVE	041901	BCAT	I C E (50-500 HP) N-EM PORT N-RENT DIESE	07/24/2013	PERMIT TO OPERATE GRANTED
529029	G28813	12/04/2013	INACTIVE	75	CCAT	BAGHOUSE, AMBIENT TEMP (>100-500 SQ FT)	10/28/2011	PERMIT TO OPERATE GRANTED
527122	G28812	12/04/2013	INACTIVE	703920	BCAT	STORAGE SILO LIME & LIMESTONE	09/08/2011	PERMIT TO OPERATE GRANTED
526434	G28811	12/04/2013	INACTIVE	820901	BCAT	STORAGE TANK OTHER W/CTL MISC ORG MATERL	08/16/2011	PERMIT TO OPERATE GRANTED
540080	G28799	12/03/2013	INACTIVE	001920	BCAT	FURNACE OTHER MET OPS BR-OTHER/BZ/CU	06/29/2012	PERMIT TO OPERATE GRANTED
528834	G28784	11/27/2013	INACTIVE	019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	10/28/2011	PERMIT TO OPERATE GRANTED
528835	G28785	11/27/2013	INACTIVE	019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	10/28/2011	PERMIT TO OPERATE GRANTED
528839	G28783	11/27/2013	INACTIVE	019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	10/28/2011	PERMIT TO OPERATE GRANTED
472953	G27453	10/01/2013	INACTIVE	001230	BCAT	FURNACE ARC IRON-STEEL	08/21/2007	PERMIT TO OPERATE GRANTED
510538	G9810	09/01/2010	INACTIVE	38	CCAT	BAGHOUSE, HOT	05/04/2010	PERMIT TO OPERATE GRANTED
489915	N24079	03/03/2009	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	09/30/2008	PERMIT TO OPERATE GRANTED
475108	F99357	10/09/2008	INACTIVE	38	CCAT	BAGHOUSE, HOT	10/31/2007	PERMIT TO OPERATE GRANTED
458462	F84475	10/06/2006	INACTIVE	707920	BCAT	STORAGE SILO MINERALS MISC	06/29/2006	PERMIT TO OPERATE GRANTED
443929	F78941	10/26/2005	INACTIVE	043001	BCAT	I C E (50-500 HP) EM ELEC GEN-NAT GAS	05/18/2005	PERMIT TO OPERATE GRANTED
371370	F48182	01/22/2002	INACTIVE	001230	BCAT	FURNACE ARC IRON-STEEL	06/23/2000	PERMIT TO OPERATE GRANTED
336136	F13082	04/15/1998	INACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	08/01/1997	PERMIT TO OPERATE GRANTED
313809	F9613	10/01/1997	INACTIVE	001920	BCAT	FURNACE OTHER MET OPS BR-OTHER/BZ/CU	03/20/1996	PERMIT TO OPERATE GRANTED
328590	F7744	06/20/1997	INACTIVE	043901	BCAT	I C E (50-500 HP) EM ELEC GEN-DIESEL	06/03/1997	PERMIT TO OPERATE GRANTED
316129	F5042	01/29/1997	INACTIVE	043901	BCAT	I C E (50-500 HP) EM ELEC GEN-DIESEL	05/07/1996	PERMIT TO OPERATE GRANTED
316130	F5044	01/29/1997	INACTIVE	043002	BCAT	I C E (>500 HP) EM ELEC GEN-NAT GAS	05/07/1996	PERMIT TO OPERATE GRANTED
310965	F3191	10/15/1996	INACTIVE	019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	01/05/1996	PERMIT TO OPERATE GRANTED
310966	F3193	10/15/1996	INACTIVE	019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	01/05/1996	PERMIT TO OPERATE GRANTED
310967	F3155	10/14/1996	INACTIVE	001990	BCAT	FURNACE OTHER MET OPS MISC METALS	01/05/1996	PERMIT TO OPERATE GRANTED
316128	D99614	05/29/1996	INACTIVE	043901	BCAT	I C E (50-500 HP) EM ELEC GEN-DIESEL	04/02/1996	PERMIT TO OPERATE GRANTED
313654	D98746	05/07/1996	INACTIVE	482622	BCAT	CFC-12 RECOVERY/RECYCLING (RULE 1411)	04/02/1996	PERMIT TO OPERATE GRANTED
313493	D97944	04/12/1996	INACTIVE	297900	BCAT	STORAGE TANK LPG	04/02/1996	PERMIT TO OPERATE GRANTED
313494	D97945	04/12/1996	INACTIVE	297900	BCAT	STORAGE TANK LPG	04/02/1996	PERMIT TO OPERATE GRANTED
207445	D84036	07/06/1994	INACTIVE	001920	BCAT	FURNACE OTHER MET OPS BR-OTHER/BZ/CU	07/05/1989	PERMIT TO OPERATE GRANTED
274588	D66192	11/30/1992	INACTIVE	019003	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS	11/09/1992	PERMIT TO OPERATE GRANTED
173842	D44424	02/11/1992	INACTIVE	333900	BCAT	STORAGE TANK PETROLEUM LIGHT DISTILLATE	08/24/1988	PERMIT TO OPERATE GRANTED
258023	D45129	11/21/1991	INACTIVE	001230	BCAT	FURNACE ARC IRON-STEEL	11/19/1991	PERMIT TO OPERATE GRANTED
146317	D17654	02/09/1990	INACTIVE	001230	BCAT	FURNACE ARC IRON-STEEL	07/09/1986	PERMIT TO OPERATE GRANTED
146317	D17654	02/09/1990	INACTIVE	21	CCAT	BAGHOUSE	07/09/1986	PERMIT TO OPERATE GRANTED
146318	M63530	05/25/1988	INACTIVE	001920	BCAT	FURNACE OTHER MET OPS BR-OTHER/BZ/CU	07/09/1986	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 09:17 AM

Facility: 18931 TAMCO
Status: Active
MR: 0502 SIC: 3312 Team: X
Last Inspection: 02/17/2023 On Hold: N Suspended: N TS: TS-02 Cycle II RECLAIM/Title V Facility
Quarter: 0001 - inspect in 4th quarter, every year
Contact: LEONARD ROBINSON (909) 8990631 x203 RECLAIM: Y TITLE V: Y AIRS ID: 0607100517
Assignment: 2041369
Location Address: 12459-B ARROW ROUTE, RANCHO CUCAMONGA 91739-9601 Sector:EG
Inspector: KD03 KENNETH DUDASH
Mailing Address: P.O. BOX 911, SEGUIN 78156-0911
Inspection Date: 02/17/2023
Instruction:
Disposition: Change of Ownership

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
154532	M88482	05/28/1987	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	03/18/1987	PERMIT TO OPERATE GRANTED
154532	M88482	05/28/1987	INACTIVE	91	CCAT	AMINE TREATING	03/18/1987	PERMIT TO OPERATE GRANTED
112591	M40713	10/18/1984	INACTIVE	019200	BCAT	HEATERS-FUR, NAT GAS/NO. 2 OIL FIRED	07/27/1983	PERMIT TO OPERATE GRANTED
109817	M31818	07/15/1983	INACTIVE	707900	BCAT	STORAGE TANK MINERALS MISC	04/29/1983	PERMIT TO OPERATE GRANTED
00443B	E2094B	10/12/1977	INACTIVE	703900	BCAT	STORAGE TANK LIME & LIMESTONE	01/01/1990	PERMIT TO OPERATE GRANTED
00443B	E2094B	10/12/1977	INACTIVE	21	CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
00446B	E2025B	08/30/1977	INACTIVE	019303	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) GAS-RESID	01/01/1990	PERMIT TO OPERATE GRANTED
00447B	E2026B	08/30/1977	INACTIVE	019303	BCAT	HEATER/FURNACE (5-20 MMBTU/HR) GAS-RESID	01/01/1990	PERMIT TO OPERATE GRANTED
00444B	E2024B	08/30/1977	INACTIVE	019800	BCAT	HEATERS-FUR,COM G-O LSLA,	01/01/1900	PERMIT TO OPERATE GRANTED
00445B	E2023B	08/30/1977	INACTIVE	019800	BCAT	HEATERS-FUR,COM G-O LSLA,	01/01/1900	PERMIT TO OPERATE GRANTED
E1912B	E1912B	07/08/1977	INACTIVE	001230	BCAT	FURNACE ARC IRON-STEEL	01/01/1900	PERMIT TO OPERATE GRANTED
E1912B	E1912B	07/08/1977	INACTIVE	21	CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED
E01913	E01913	07/06/1977	INACTIVE	001230	BCAT	FURNACE ARC IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
E01913	E01913	07/06/1977	INACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 09:19 AM

Facility: 126975 INDUSTRIAL WIRE PRODUCTS-ARROW DIVISION Status: Active MR: SIC: Team: L1
Last Inspection: On Hold: N Suspended: N TS: TS-30 Area Sources: Charbroilers Quarter: 0001 - inspect in 4th quarter, every year
Contact: LARRY MIETHE (909) 8991673 RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 12459 ARROW RTE., RANCHO CUCAMONGA 91739 Sector:EG Inspector:
Mailing Address: P O BOX 1590, POMONA 91769 Sector:CN Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
381696				011502 BCAT	BOILER-(<2MMBTU/HR) R-222	02/09/2001	BANKING/ PLAN GRANTED, NON BILLABLE

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 172593 TERVITA (US OPERATIONS) LLC Status: Sold MR: SIC: 3295 Team: I
Last Inspection: 08/23/2018 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections Quarter: 2000 - inspect in 1st quarter, every two years
Contact: FRANK DARR (951) 2878854 RECLAIM: N TITLE V: Y AIRS ID: 06071DA008 Assignment: 1718016
Location Address: 12459-B ARROW ROUTE, RANCHO CUCAMONGA 91739 Sector:EG Inspector: SK11 STAN KOSZELAK
Mailing Address: C/O 500,140 - 10 AVENUE SE, CALGARY T2G-0R1 Inspection Date: 08/23/2018
Instruction: Disposition: Change of Ownership

	Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
_____	542855	G46157	04/14/2017	ACTIVE	000299	BCAT	AGGREGATE PRODUCTION/CRUSHING	09/18/2012	PERMIT TO OPERATE GRANTED
_____	542856	G46158	04/14/2017	INACTIVE	26	CCAT	DUST COLLECTOR CARTRIDGE TYPE	09/18/2012	PERMIT TO OPERATE GRANTED
_____	542857				000299	BCAT	AGGREGATE PRODUCTION/CRUSHING	09/18/2012	APPLICATION REJECTED
_____	551873				555003	BCAT	TIERED (1-20 DEVICES) INITIAL TITLE V PERMIT APPL	05/30/2013	BANKING/ PLAN GRANTED, NON BILLABLE
_____	552382	G46159	04/14/2017	INACTIVE	109110	BCAT	BULK LOAD/UNLOAD OTHER AGGREGATE	06/11/2013	PERMIT TO OPERATE GRANTED
_____	571846				666420	BCAT	PLAN, RULE 1420 LEAD COMPLIANCE	01/22/2015	BANKING/ PLAN GRANTED, NON BILLABLE
_____	572514				555008	BCAT	TITLE V PERMIT ADMIN-AMENDMENT	01/29/2015	BANKING/ PLAN GRANTED, NON BILLABLE

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 09:20 AM

Facility: 185588 PHOENIX SERVICES LLC
Status: Active
MR: SIC: 3295 Team: I
Last Inspection: 02/23/2023 On Hold: N Suspended: N TS: TS-77 Toxics: Lead Stationary Sources
Quarter: 2000 - inspect in 1st quarter, every two years
Contact: RECLAIM: N TITLE V: Y AIRS ID: 06071DA008
Assignment: 2041372
Location Address: 12459-B ARROW ROUTE, RANCHO CUCAMONGA 91739 Sector:EG
Inspector: KD03 KENNETH DUDASH
Mailing Address: 4 RADNOR CORPORATE CENTER, RADNOR 19087
Inspection Date: 02/23/2023
Instruction:
Disposition: Not Operating - Equipment Removed

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
597945				555011	BCAT	TITLE V-C/O	10/04/2017	BANKING/ PLAN GRANTED, NON BILLABLE
597948	G50133	01/12/2018	INACTIVE	000299	BCAT	AGGREGATE PRODUCTION/CRUSHING	10/04/2017	PERMIT TO OPERATE GRANTED
597949	G50134	01/12/2018	INACTIVE	26	CCAT	DUST COLLECTOR CARTRIDGE TYPE	10/04/2017	PERMIT TO OPERATE GRANTED
597950	G50135	01/12/2018	INACTIVE	109110	BCAT	BULK LOAD/UNLOAD OTHER AGGREGATE	10/04/2017	PERMIT TO OPERATE GRANTED
603029				666420	BCAT	PLAN, RULE 1420 LEAD COMPLIANCE	04/17/2018	APPROVED PLAN, BILLABLE
605853				555002	BCAT	TITLE V PERMIT RENEWAL APPLICATION	07/12/2018	BANKING/ PLAN GRANTED, NON BILLABLE
626580				000380	BCAT	Aggregate Crushing (<5000 tpd)	01/12/2021	APPLICATION REJECTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District
P O Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR RULE 222 Filing
FORM 222 – B
Boilers and Process Heaters Only

This form is to be used only for boilers and process heaters subject to Rule 222 – Filing Requirements for Specific Emission Sources not Requiring a Write Permit Pursuant to Regulation II

Section I – Company Information

LEGAL NAME OF OPERATOR: Industrial Wire Products Arrow Div. ☐ IRS OR ☐ S S NUMBER

BUSINESS MAILING ADDRESS: PO Box 1590 Pomona Ca 91769

TYPE OF ORGANIZATION
☒ Corporation ☐ Limited Partnership ☐ Government Entity
☐ Individual ☐ General Partnership ☐ Other (Fill in)

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION? ☒ Yes ☐ No

IF NO ENTER THE LEGAL NAME OF OWNER ☐ IRS OR ☐ S S NUMBER OF OWNER

Section II – Facility Information

EQUIPMENT ADDRESS/LOCATION: 12459 Arrow Rte (NUMBER/STREET)
Rancho Cucamonga (CITY OR COMMUNITY) CA, 91739 (ZIP CODE)

FACILITY NAME: IWP Arrow Div

FACILITY ID NUMBER (If Known): 126975

TYPE OF BUSINESS AT THIS FACILITY: Wire Drawing

PRIMARY SIC CODE FOR THIS FACILITY: 3315

PRINT NAME OF CONTACT PERSON: Larry Miethe

TITLE OF CONTACT PERSON: Plant Manager

CONTACT PERSON'S TELEPHONE NUMBER: (909 899 1673

CONTACT PERSON'S FAX NUMBER: (909) 899 4533

CONTACT PERSON'S E-MAIL ADDRESS: @

Section III – Application Type

APPLICATION FOR
☐ NEW EQUIPMENT
☒ EXISTING EQUIPMENT WITHOUT FILING
☐ EXISTING EQUIPMENT WITH EXPIRED FILING
☐ MODIFICATION
☐ CHANGE OF OWNERSHIP
☐ CHANGE OF LOCATION

BOILERS & PROCESS HEATERS EQUIPMENT INFORMATION*

☒ MANUFACTURED BEFORE 1/1/92 ☐ MANUFACTURED AFTER 1/1/92

RULE 222 FILINGS
PROCESSED

MANUFACTURER: Parker Boiler

MODEL NUMBER: T 1140 SERIAL NUMBER: 34379 JUL -- 2

EQUIPMENT RATING (BTU/HOUR): 1,140,000

* ONLY EQUIPMENT WITH A RATED HEAT INPUT FROM 1,000,000 BTU PER HOUR UP TO AND INCLUDING 2,000,000 BTU PER HOUR

AREA SOURCES

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: Craig A Davis

TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Corp. Engr.

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Craig A Davis

RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: 909 594 7511 EXT 1422

DATE SIGNED: 10/24/00

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT

SIGNATURE OF PREPARER IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:

TITLE OF PREPARER:

TYPE OR PRINT NAME OF PREPARER IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:

PREPARER'S TELEPHONE NUMBER: ( )

DATE SIGNED: / /

AQMD USE ONLY	APPLICATION/TRACKING # 381696		EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATIO
DATE A R	DATE A R	ASSIGNMENT UNIT L	ENF SECT.	CHECK/MONEY ORDER # 058060	AMOU $102

FORM 222-B, 10/10/00

FROM INDUSTRIAL WIRE PRODUCTS CORP 9095950439 (FRI) 2 9'01 7.59/ST. 7.56/NO 4862190347 P 2
9095950439

CT # 9644

S.C.A.Q.M.D
ENGINEERING

'01 FEB -9 P12:46

South Coast Air Quality Management District

NOV P63250

Run Date : 9/19/2023 12:31:07

Company

Facility:	TERVITA (US OPERATIONS) LLC (ID: 172593)
Location Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	12459B ARROW ROUTE RANCHO CUCAMONGA, AB 91739-0R1
AIRS ID	06071DA008

Violation

Notice Issued Date:	5/5/2015
Violation Date:	3/16/2015
Serve To:	CARSON SWARTZ
Title:	PROJECT COORDINATOR
Issue By:	KENNETH DUDASH (Team: X)
Assignment No.:	1492409
Equipment Description:	FAILURE TO OPERATE EQUIPMENT PER TITLE V PERMIT CONDITIONS.
Violation:	OPERATED SLAG/AGGREGATE PROCESSING AND LOADING SYSTEMS WITHOUT USE OF DRY FOG SPRAY SYSTEM CONTRARY TO PERMIT CONDITIONS. FAILURE TO REPORT BREAKDOWN WITHIN ONE HOUR OF DISCOVERY. FAILURE TO IMMEDIATELY TAKE STEPS TO CORRECT CONDITION CAUSING BREAKDOWN.

Disposition

Final Action Code:	CLO 10/14/2016 00:00:00
Achieved Date:	03/25/2015
Due Date:	
Violation Days:	0

Rule/Comment

203	(b)
3002	(c)
430	(b)(1); (b)(2)(G)

Emittent

Follow-Up

Status: INCOMP Inspector ID: KD03 Inspection Date: 03/25/15 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NOV P70142

Run Date : 9/19/2023 12:51:01

Company

Facility:	PHOENIX SERVICES LLC (ID: 185588)
Location Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	4 RADNOR CORPORATE CENTER RADNOR, PA 19087
AIRS ID	06071DA008

Violation

Notice Issued Date:	8/24/2021
Violation Date:	4/16/2021
Serve To:	WENDY HATFIELD
Title:	SITE/OFFICE MANAGER
Issue By:	KENNETH DUDASH (Team: X)
Assignment No.:	1927945
Equipment Description:	
Violation:	1 Rule 301 (d)(1) Failed to pay annual operating permit fee by annual renewal date. 3002 (c)(1) Operator failed to comply with all requirements, and all permit terms and conditions specific in Title V Permit Sec. D, Con. 11.

Disposition

Final Action Code:	
Achieved Date:	05/18/2021
Due Date:	
Violation Days:	0

Rule/Comment

3002	(c)(1) Sec. D Con. 11
301	(d)(1)

Emittent

Follow-Up

Status: INCOMP Inspector ID: KD03 Inspection Date: 05/18/21 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

CLOSED

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NC E45166

Run Date : 9/19/2023 12:52:10

Company

Facility:	PHOENIX SERVICES LLC (ID: 185588)
Location Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	148 W STATE, ST KENNETT SQUARE, CA 19348-0R1
AIRS ID	06071DA008

Violation

Notice Issued Date:	10/4/2018
Violation Date:	8/23/2018
Serve To:	GREG DIAZ
Title:	SITE MANAGER
Issue By:	STAN KOSZELAK (Team: X)
Assignment No.:	1715119
Compliance Achieved Date:	10/25/2018
Equipment Description:	differential pressure readings for the dust collector.
Compliance Requirements:	Provide records of the following for the period 9_1_17 through 9_30_18: Monthly diesel fuel usage; monthly tons of lead processed; weekly Soil_O2 applications; Monthly tons of slag processed; Monthly tons of slag loaded; annual VEE at emission points;

Disposition

Final Action Code:	
Due Date:	10/18/2018
Violation Days:	0

Rule/Comment

40701(G)

Emittent

Follow-Up

Status: PENDING Inspector ID: SK11 Inspection Date: 10/25/18 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC E45716

Run Date : 9/19/2023 12:51:43

Company

Facility:	PHOENIX SERVICES LLC (ID: 185588)
Location Address:	12459B ARROW ROUTE RCH CUCAMONGA, CA 91739
Mailing Address:	148 W STATE, ST, PA 19348
AIRS ID	06071DA008

Violation

Notice Issued Date:	11/29/2018
Violation Date:	3/2/2018
Serve To:	CLINT MCGINTY
Title:	VP ENVIRONMENTAL SAFTEY H
Issue By:	PETER HOMSEY (Team: X)
Assignment No.:	1725256
Compliance Achieved Date:	12/05/2018
Equipment Description:	Failure to timely submit 500_ACC report with correct FID for 2017 year. Please resubmit this doucment with the correct FID.
Compliance Requirements:	Failure to timely submit 500_SAM report with correct FID for Jun._Dec. 2017 and Jan._Jun.2018 to AQMD for prior reportin period. Please resubmit these documents with the correct FID.

Disposition

Final Action Code:	
Due Date:	12/13/2018
Violation Days:	0

Rule/Comment

3002(C)(2)

Emittent

Follow-Up

Status: INCOMP Inspector ID: PH07 Inspection Date: 12/05/18 00:00 Number:

Device IDs.

Inspector Comment

On 12/05/18, I received an e-mail from Mr. Clint McGinty containing updated 500-SAM, 500-ACC and 500-N with appropriate dates and FID number. Mr. McGinty has mailed the originals with wet signature to AQMD.

P.Homsey
12/05/18

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC E52448

Run Date : 9/19/2023 12:51:23

Company

Facility:	PHOENIX SERVICES LLC (ID: 185588)
Location Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	4 RADNOR CORPORATE CENTER RADNOR, CA 19087
AIRS ID	06071DA008

Violation

Notice Issued Date:	3/18/2022
Violation Date:	2/21/2022
Serve To:	CLINT MCGINTY
Title:	DIRECTOR, HEALTH & SAFETY
Issue By:	KENNETH DUDASH (Team: X)
Assignment No.:	1975066
Compliance Achieved Date:	11/02/2022
Equipment Description:	The facility closed as of 12/31/2022 and is no longer operating Title V permit mailing address 148 W. State St., Ste. 301, Kennett Square, PA 19348
Compliance Requirements:	H&S Code 42303 _ Provide records demonstrating compliance with Title V permit, renewal (Application No. 605853) requirements for Compliance Year 2021 (01/01/2021 to 12/31/2021).

Disposition

Final Action Code:	
Due Date:	4/1/2022
Violation Days:	0

Rule/Comment

42303

Emittent

Follow-Up

Status: NOV Inspector ID: KD03 Inspection Date: 11/02/22 00:00 Number:

Device IDs.

Inspector Comment

CLOSED

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NOV P70142

Run Date : 9/19/2023 12:51:01

Company

Facility:	PHOENIX SERVICES LLC (ID: 185588)
Location Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	4 RADNOR CORPORATE CENTER RADNOR, PA 19087
AIRS ID	06071DA008

Violation

Notice Issued Date:	8/24/2021
Violation Date:	4/16/2021
Serve To:	WENDY HATFIELD
Title:	SITE/OFFICE MANAGER
Issue By:	KENNETH DUDASH (Team: X)
Assignment No.:	1927945
Equipment Description:	
Violation:	1 Rule 301 (d)(1) Failed to pay annual operating permit fee by annual renewal date. 3002 (c)(1) Operator failed to comply with all requirements, and all permit terms and conditions specific in Title V Permit Sec. D, Con. 11.

Disposition

Final Action Code:	
Achieved Date:	05/18/2021
Due Date:	
Violation Days:	0

Rule/Comment

3002	(c)(1) Sec. D Con. 11
301	(d)(1)

Emittent

Follow-Up

Status: INCOMP Inspector ID: KD03 Inspection Date: 05/18/21 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

CLOSED

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NOV P76113

Run Date : 9/19/2023 12:50:41

Company

Facility:	PHOENIX SERVICES LLC (ID: 185588)
Location Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	4 RADNOR CORPORATE CENTER RADNOR, PA 19087
AIRS ID	06071DA008

Violation

Notice Issued Date:	11/2/2022
Violation Date:	2/21/2022
Serve To:	CLINT MCGINTY
Title:	SVP PROCUMENT & ASSETS
Issue By:	KENNETH DUDASH (Team: X)
Assignment No.:	2022072
Equipment Description:	
Violation:	R3002(c)(1) TV permit Sec. K Cond. 5 failure to comply_R3002(d),(e) failure to provide TV info to determine complaince and to provide info in a reasonable time_R1155(e)(1) failed to provide reocrds of EPA Method 22 for trained persons

Disposition

Final Action Code:	
Achieved Date:	11/03/2022
Due Date:	
Violation Days:	0

Rule/Comment

1155	(e)(1)
3002	(c)(1), (d), (e)

Emittent

Follow-Up

Status: INCOMP Inspector ID: KD03 Inspection Date: 11/03/22 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NC E30019

Run Date : 9/19/2023 12:32:04

Company

Facility:	TERVITA (US OPERATIONS) LLC (ID: 172593)
Location Address:	12459-B ARROW ROUTE RANCHO CUCAMONGA, CA 91739
Mailing Address:	C/O 500,140 - 10 AVENUE SE CALGARY, CA T2G-0R1
AIRS ID	06071DA008

Violation

Notice Issued Date:	8/26/2015
Violation Date:	8/26/2015
Serve To:	CARSON SWARTZ
Title:	PROJECT COORDINATOR
Issue By:	KENNETH DUDASH (Team: X)
Assignment No.:	1513047
Compliance Achieved Date:	10/09/2015
Equipment Description:	
Compliance Requirements:	SUBMIT ALL 500-SAM SEMI ANNUAL REPORTS BY THE DUE DATES SPECIFIED IN TITLE V PERMIT 172593, SECTION K, PERMIT ADMINISTRATION, PERMIT CONDITION 23.

Disposition

Final Action Code:	CLO 10/9/2015 00:00:00
Due Date:	9/9/2015
Violation Days:	0

Rule/Comment

203 (b)

Emittent

Follow-Up

Status: NCINFOS Inspector ID: KD03 Inspection Date: 10/09/15 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street ● San Bernardino, CA 92415-0153 ● (909) 386-8401 ● Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Section
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Monica S. Ronchetti
Fire Marshal

September 14, 2023

23091103 Rancho Cucamonga RAL Kleinfelder

KLEINFELDER
24411 RIDGE ROUTE DRIVE, SUITE 225
LAGUNA NIGUEL, CA 92653

ATTENTION: LINDSEY DANDRIDGE-PERRY

SUBJECT: CERTIFIED RECORDS SEARCH FINDINGS
12353, 12451, 12343, 12459 ARROW ROUTE, RANCHO CUCAMONGA, CALIFORNIA
APN #S: 0229-121-33-0000, 0229-121-34-0000, 0229-121-35-0000, 0229-131-19-0000

This is to confirm that the San Bernardino County Hazardous Materials Division has identified records that may pertain to the subject site, as described in your request for records search.

The file(s) shown below have been retrieved for review. If you wish to view the original documents, please e-mail this office at hazmatrecords@sbcfire.org to arrange an appointment.

ACTIVE PERMIT FACILITIES: (Regulatory files for facilities with annual operating permits to maintain underground storage tanks, handle hazardous materials, and/or generate hazardous waste. Files include permits, inspections, reports, test results, correspondence, and related materials. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities still in operation).

SCE Pipe Substation 12459 Arrow Hwy Rancho Cucamonga	FA0000434 ~ Est # 01049315 ~ CERS ID: 10034656 Hazardous Materials 1-3 Chemicals Special Handler Permit APSA Conditionally Exempt Permit ***INACTIVE*** (Last CERS Submission: 2/21/2023)

INACTIVE PERMIT AND/OR NON-PERMIT FACILITIES: (Inactive regulatory files for formerly permitted facilities that maintained underground storage tanks, stored hazardous materials, and/or generated hazardous waste and/or facilities with underground storage tanks removed and/or materials and waste removed. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities no longer operating underground tanks).

Tamco (Formerly: CMC) 12459 Arrow Rte, Ste B Rancho Cucamonga	FA0006582 ~ Est # 86008874 ~ CERS ID: 10152245 APSA 10,001-100,000 Gal. Fac. Capacity Permit Underground Storage Tanks Permit Hazardous Materials 71+ Chemicals Handler Permit RCRA Large Quantity Generator Permit UW Handler w/Another CUPA Permit
TI Wire (Formerly: I.W.P.A.D. Inc.) 12459-B Arrow Rte	FA0003904 ~ Est # 90020821 ~ CERS ID: 10040527 Hazardous Materials 11-30 Chemicals Handler Permit RCRA Large Quantity Generator Permit

BOARD OF DIRECTORS

Col. Paul Cook (Ret.), Vice Chairman, First District
Jesse Armendarez, Second District
Dawn Rowe, Chair, Third District
Curt Hagman, Fourth District
Joe Baca, Jr., Fifth District
Luther Snoke, Chief Executive Officer

Rancho Cucamonga

Phoenix Services LLC 12459-B Arrow Rte Rancho Cucamonga	FA0018035 ~ CERS ID: 10755790 Hazardous Materials 4-10 Chemicals Handler Permit APSA 1,320 – 10,000 Gal. Fac. Capacity Permit Small Quantity Generator Permit
CMC Rebar Etiwanda (Formerly: Fontana Steel Inc.) 12451 Arrow Rte Rancho Cucamonga	FA0003266 ~ Est # 89018295 ~ CERS ID: 10039324 Hazardous Materials 11-30 Chemicals Handler Permit Small Quantity Generator Permit
Ameron Steel and Wire Division 12459 Arrow Hwy Etiwanda	Est # 85004210 Underground Storage Tanks Permit
Tervita LLC 12459 Arrow Rte Rancho Cucamonga	FA0014680 ~ CERS ID: 10313566 Hazardous Materials 4-10 Chemicals Handler Permit Small Quantity Generator Permit APSA 1,320-10,000 Gal. Fac. Capacity Permit
Tube City IMS 12459 Arrow Rte Rancho Cucamonga	FA0005052 ~ Est # 94032147 ~ CERS ID: 10042600 Special Generator Permit Hazmat Handler Permit APSA 1,320-10,000 Gal. Fac. Capacity Permit
SCE Ameron Substation 12459 Arrow Rte Rancho Cucamonga	FA0000989 ~ Est # 01049314 ~ CERS ID: 10035409 Hazardous Materials 1-3 Chemicals Special Handler Permit APSA Conditionally Exempt Permit

PERMITS TO REMOVE/INSTALL/MODIFY UNDERGROUND STORAGE TANKS:

Ameron Steel and Wire Div. 12459 Arrow Rte Etiwanda	Issued 11/09/1989 Removal (1) Log # 110989-01 ~ Job Cards #2137 & 2138
Ameron Steel and Wire Div. 12459 Arrow Rte Etiwanda	Issued 08/27/1987 Removal Log # 082787-02 ~ Job Card # 1139
Tamco 12459 Arrow Rte, Ste B Rancho Cucamonga	Issued 05/04/2021 Modification w/repair Log # 050421-02 ~ Job Card # 13504
CMC/Tamco 12459 Arrow Rte, Ste B Rancho Cucamonga	Issued 03/13/2020 Modification Log # 031320-02~ Job Card # 13073
Tamco 12459-B Arrow Rte Rancho Cucamonga	Issued 08/02/2018 Minor Modification ***EXPIRED*** Log # 080218-01 ~ Job Card # 12444

Tamco 12459-B Arrow Rte Rancho Cucamonga	Issued 03/09/2018 Modification Log # 030918-01 ~ Job Card # 12330
Tamco 12459-B Arrow Rte Rancho Cucamonga	Issued 02/08/2016 Modification Log # 020816-01 ~ Job Card # 11671
Tamco 12459 Arrow Rte Rancho Cucamonga	Issued 04/09/2012 Modification 040912-03 ~ Job Card # 10530
Tamco 12459 Arrow Rte Rancho Cucamonga	Issued 11/19/2010 Removal (1) Log # 111910-01 ~ Job Card # 10106
Tamco 12459 Arrow Hwy Rancho Cucamonga	Issued 02/02/2009 Modification Log # 020209-01 ~ Job Card # 09465
Tamco 12459-B Arrow Hwy Rancho Cucamonga	Issued 03/24/2006 Removal (4) Log # 032406-01 ~ Job Card # 8407
Tamco Steel 12459-B Arrow Hwy Rancho Cucamonga	Issued 11/04/1998 Modification Log # 110498-06 ~ Job Card # 5720
Tamco 12459 Arrow Hwy Etiwanda/Rancho Cucamonga	Issued 09/07/1993 Removal (4) Log # 091393-01 ~ Job Card # 3482
Tamco Steel 12459 Arrow Hwy Etiwanda	Issued 12/02/1986 Installation Log # 120286-02 ~ Job Card # 491
CMC Rebar-Etiwanda 12451 Arrow Rte Rancho Cucamonga	Issued 07/09/2014 Removal (1) Log # 070914-01 ~ Job Card # 11232
CMC Rebar – Etiwanda 12451 Arrow Rte Rancho Cucamonga	Issued 05/12/2014 Modification ***CANCELLED*** Log # 051214-01 ~ Job Card # 11182
CMC Fontana Steel 12451 Arrow Rte Rancho Cucamonga	Issued 05/21/2010 Modification Log # 052110-01 ~ Job Card # 09980
CMC Fontana Steel 12451 Arrow Rte	Issued 07/15/2009 Modification

Rancho Cucamonga	Log # 071509-01 ~ Job Card # 09693
Fontana Steel 12451 Arrow Hwy Etiwanda	Issued 03/03/2003 Modification Log # 030303-01 ~ Job Card # 7052
Fontana Steel 12451 Arrow Hwy Rancho Cucamonga	Issued 02/09/1999 Modification Log # 020999-01 ~ Job Card # 6069
Fontana Steel Inc. 12451 Arrow Hwy Rancho Cucamonga	Issued 04/19/1989 Installation Log # 041989-01 ~ Job Card # 1892

HAZARDOUS MATERIAL INCIDENT AND/OR COMPLAINT RESPONSE ACTIVITY: (other records of spill notifications and/or complaints not listed below may also exist in facility permit files).

Ameron Steel & Wire Div. 12459 Arrow Hwy Etiwanda	CO0007181 ~ Case # 892100059 2/17/1989 Line Break - sulfuric acid
Ameron Steel 12459 Arrow Rte Fontana (per report records)	No case # given. 5/29/1985 Complaint – selling radioactive steel – employees exposed
Tamco 12459 Arrow Rte, Ste B Rancho Cucamonga	CO0033414 6/8/2017 Release of 30 gallons of contaminated industrial water with baghouse dust. Spill contained and cleaned up.
Tamco 12459 Arrow Rte, Ste B Rancho Cucamonga/Etiwanda	CO0033117 2/9/2017 Chemical dust suppressant. Road Pro NT runoff due to rain onto neighboring facility. Contractor clean-up performed.
Tamco 12459 Arrow Rte, Ste B Rancho Cucamonga	CO0030596 10/15/2013 Release of sulfuric acid.
Bulk Transportation/DTI Associates @12459 Arrow Rte – (?)* Rancho Cucamonga	CO0030240 8/31/2007 Release of sulfuric acid.
Tamco 12459 Arrow Rte, Ste B	CO0024255 3/27/2007

Rancho Cucamonga	Report of radiation release. Load of heavy melt brought in to Tamco by Main Street Fibers set off radiation alarm. Source was not able to be located in load and was 2-3 times background. Load was returned to origin under DOT exempt shipment; DOT investigated on 3/28/2007 and also could not determine source.
Tamco 12459 Arrow Hwy, Ste B Rancho Cucamonga	CO0011029 7/27/2005 Radioactive material OES notification, material returned to source.
Tamco 12459 Arrow Hwy, Ste B Rancho Cucamonga	CO0010952 6/30/2005 Suspicious compressed cylinder found in scrap metal, taken to bomb squad for detonation.
Tamco 12459 Arrow Hwy, Ste B Rancho Cucamonga	CO0010651 3/4/2005 Load of scrap metal set off rad meters. DOHS notified. Tamco sent the load back to origin to be followed up by State Rad. Health.
Tamco 12459 Arrow Hwy Rancho Cucamonga	CO0004486 ~ HMRR # 99102101BO 10/21/1999 Request for hazmat assistance – fire.
Tamco 12459 Arrow Hwy Rancho Cucamonga	CO0005671 ~ HMRR # 96061301BO 6/13/1996 Alleged discharge of cooling tower water mixed with oil and solvents on premises as dust control measure.
Tamco 12459 Arrow Rte, Ste B Rancho Cucamonga	Case # 962200149 6/13/1996 Complaint of Tamco disposing of waste oils and solvents in cooling tower water. Water is then drained into dust suppression watering trucks and dispensed over dirt areas. Investigation resulted in no evidence. Case closed.
Tamco 12459 Arrow Rte Etiwanda	CO0008373 ~ Case # 922100266 7/28/1992 Complaint of dumping and covering slag dumping area. Inspection couldn’t substantiate the complaint. Case closed
Tamco 12459 Arrow Rte Etiwanda	Case # 862200281 8/1/1986 Metal oxide contaminated soils.

TI Wire 12459 Arrow Rte Rancho Cucamonga	CO0026935 11/6/2009 Hydraulic oil leak from equipment due to accident Involving rebar carried by a Tamco forklift.
TI Wire 12459 Arrow Rte Rancho Cucamonga	CO0025713 8/21/2008 Release of sulfuric acid.
Tamco 12459-B Arrow Hwy Rancho Cucamonga	CO0011100 8/23/2005 Hazmat response requested to verify the presence of a live 20 mm round in a pile of low grade scrap metal.

SITE REMEDIATION: (Underground Storage Tank Clean-Up under Local Oversight Program or Voluntary Hazardous Waste Clean-Up activity under Local Jurisdiction) (documents may be included in regular active or inactive permit files listed above).

Ameron Steel 12459 Arrow Hwy Rancho Cucamonga	RO0000050 ~ T0607100046 ~ Site # 90047 Reported 9/25/1989 ~ Closed 12/4/1990
Tamco 12459 Arrow Hwy Rancho Cucamonga	RO0000224 ~ Site # 90241 Referred to California Regional Water Quality Board on 9/15/1988. Closed 5/11/1994
Ameron, Inc. 12459 Arrow Hwy Rancho Cucamonga	RO0000279 ~ Site # 91028 Reported 12/6/1991 Referred to California Regional Water Quality Board on 3/2/1995
Tamco 12459 Arrow Hwy Rancho Cucamonga	RO0000416 ~ T0607100309 ~ Site # 93063 Leaking UST reported 11/22/1993 ~ Closed on 5/11/1994
Tamco 12459 Arrow Hwy Rancho Cucamonga	RO0000686 ~ Site # 97067 Reported 11/17/1997 ~ Closed 7/2/2002

Records searched include permit database systems for facilities with permits as hazardous waste generators, hazardous materials handlers, and/or underground storage tanks, including inactive and/or out of business records; logs of permits issued for the removal and/or installation of underground storage tanks; records and databases pertaining to illicit dumping and releases; records of non-permitted facilities; sites undergoing remediation for contaminated soil and/or groundwater; and incidents responded to by the hazardous materials emergency response team. Records searched date back to the mid-1980's.

Records consist of 41 file(s), approximately 60" thick, combined. You may contact us at hazmatrecords@sbcfire.org to request and schedule a file review appointment to view the file(s).

Christina Rivera

Christina Rivera
Office Specialist
Office of the Fire Marshal
Hazardous Materials Division

***We will copy up to 40 pre-selected pages from a file at a charge $0.25 per page copied. (Be prepared to make this payment at the time of service). We can also refer you to a private copy service. If you prefer to bring a portable copier on site, you may do so. Please let us know your plans in advance so that accommodations can be made.**

TAMCO Steel
P.O. BOX 325 • RANCHO CUCAMONGA, CA 91739-0325

ENVIRONMENTAL
HEALTH SERVICES
93 NOV 18 AM 10:49

November 12, 1993

Lisa Holst
COUNTY OF SAN BERNARDINO
Department of Environmental Health Services
385 N. Arrowhead Avenue
San Bernardino, CA 92415-0160

RE: Underground Storage Tank Removal

Dear Ms. Holst:

The two remaining 50,000-gallon underground storage tanks (USTs) are scheduled to be removed on Thursday, November 18th at 1:00 pm. The removal will be handled in the same manner as the other two USTs that were removed on 11/04/93. This schedule is contingent, of course, on the weather conditions.

If there are any questions, please feel free to contact me at (909) 899-0660.

Environmentally,

Leonard E. Robinson
ENVIRONMENTAL/SAFETY MANAGER

LER/ct

11-18-93 12:00 P.1 FROM

TAMCO

(909) 899-0660
(909) 822-1166
(510) 568-7174

Admin. FAX (909) 899-1910
Sales FAX (909) 899-4293

TELECOPIER COVER LETTER

Please deliver the following pages to:

Name: Lisa Lobo

Firm: DEHS

FAX # ( ) 387-4323

Date 11/18/93

Time 11:00 AM

From:

Name: Leonard Robinson

We are sending 2 pages including this cover sheet. Please call if you do not receive all pages.

Message:

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE. MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)624-8471 OR 482-2272, 2273

PROJECT: TAMCO STEEL

MATRIX: SOLID
DATE SAMPLED: 11/18/93
REPORT TO: MR. RICK BROWN

DATE SAMPLES REC'D: 11/18/93
DATE ANALYZED: 11/18/93
DATE REPORTED: 11/19/93

EPA 8015M FOR TPH as DIESEL ANALYSIS; UNIT: MG/KG (PPM)

SAMPLE I.D.	LAB I.D.	TPH as DIESEL RESULT
TK1 #1	931118-24	ND
TK1 #2	-25	ND
SP-1	-26	ND
SP-2	-27	ND
SP-3	-28	ND
SP-4	-29	ND
TK 2 #1	-30	ND
TK 2 #2	-31	ND
DETECTION LIMIT		10

COMMENTS

ND = The concentration is below the detection limit or non-detected

Data Reviewed and Approved by: [signature]

CAL-DHS ELAP CERTIFICATE No.: 1555

Thru Leonard Peterman

fi m the environmei of

LEONARD E. ROBINSON

DATE: November 6, 1993

FAX TO: Lisa Holst
SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES

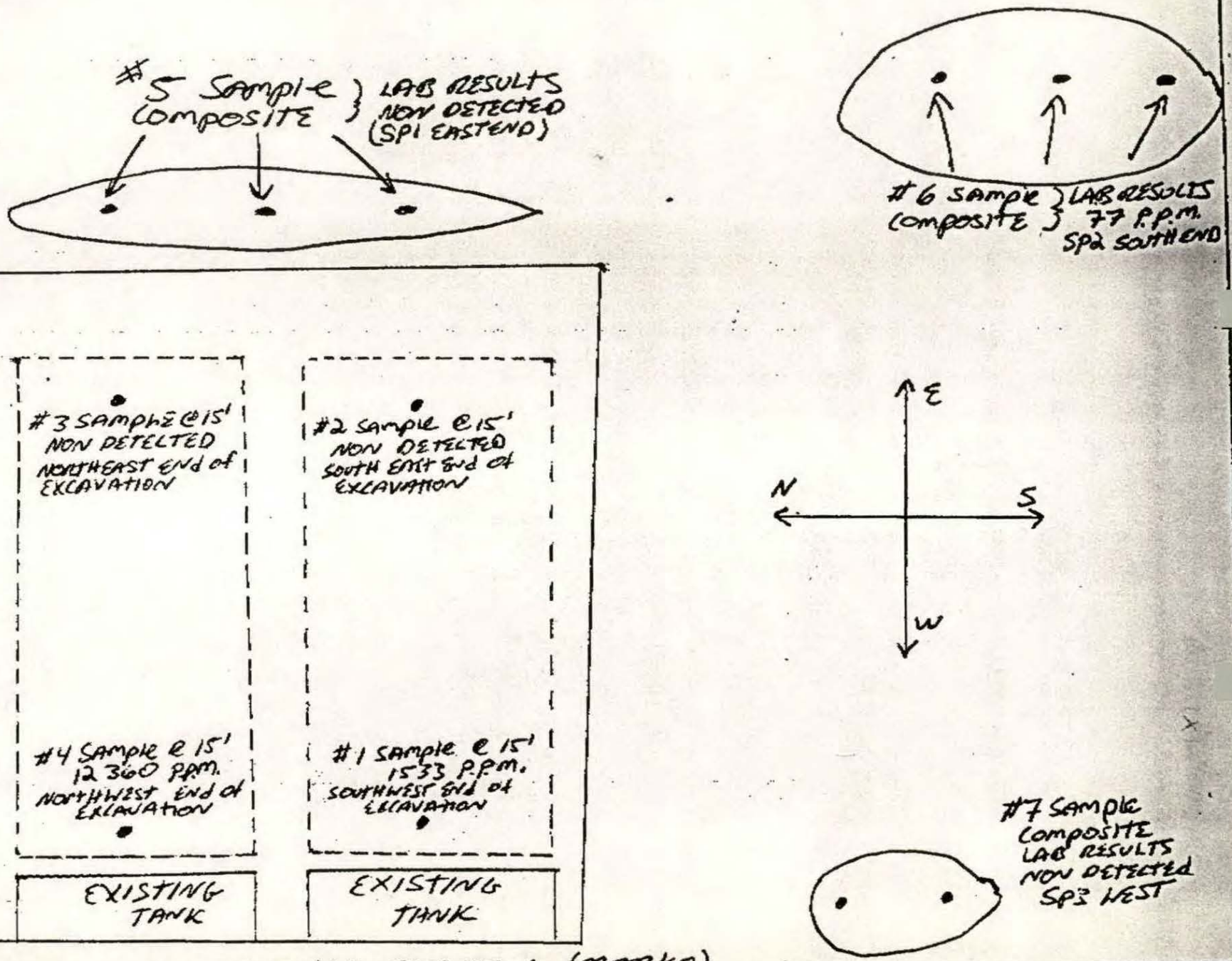
FROM: Leonard E. Robinson
TAMCO

SUBJECT: Soil Samples for 11/05/93 UST Removal

Please find following, the analytical soil sampling results of the above-referenced UST removal. The east end of both USTs are clean. The west end needs to be excavated.

We would like to backfill the east end of area where USTs used to be (approximately 50% of tank length east to west). This would allow access for our forklifts to continue to load billets into the Roll Mill while the other USTs are being removed. The contaminated soil will be excavated until an acceptable level can be reached. That area is scheduled be excavated anyways to allow the other USTs to be removed. At the same time any contamination from the other USTs could potentially be excavated also.

If there are any questions or more information is required, please feel free to contact me at (909) 899-0660 extension 203. We will not do anything until we hear back from you.



MAP PREPARED BY MARK A. FREEMAN (MARKO)

NASH SALVAGE, INC. (714) 482-2257 (213) 946-8431 (800) 675-7536 FAX: (213) 941-8157
CONTAINERIZED CHEMICAL DISPOSAL, INC. (714) 625-6646 (800) 233-3748 FAX: (714) 624-8471

PROJECT NAME TAMCO
PROJECT LOCATION 12459 ARLAN HIGHWAY
PAGE 1 OF 1
DATE 11 5 93

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE. MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)624-8471 OR 482-2272

PROJECT: TAMCO

MATRIX: SOIL
DATE SAMPLED: 11/04/93
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 11/04/93
DATE ANALYZED: 11/04/93
DATE REPORTED: 11/05/93

UNIT: MG/KG (PPM)

SAMPLE I.D.	LAB I.D.	RESULT(DIESEL**)
ONE	931104-9	1,533
TWO	931104-10	ND
THREE	931104-11	ND
FOUR	931104-12	12,360
FIVE	931104-13	ND
SIX	931104-14	77
SEVEN	931104-15	ND
	METHOD	8015M
	DETECTION LIMIT	10

COMMENTS
** = CA-DHS LUFT METHOD -- DIESEL BY DIRECT INJECT/GC-FID
(EXTRACTABLE PETROLEUM HYDROCARBONS)

ND = BELOW THE DETECTION LIMIT OR NON-DETECTED

Data Reviewed and Approved by:

CAL-DHS ELAP CERTIFICATE No.: 1565

ENVIRO-CHEM, INC.
LABORATORIES
1214 E. Lexington Ave.
Pomona, CA 91766
(909) 590-5905 • Fax: (909) 590-5907

CHAIN of CUSTODY RECORD

DATE: _____
PAGE: _____ of _____

Lab Project # _____

CA-DHS ELAP CERTIFICATE # 1555

RUSH
RUSH

REPORT TO: CONSOLIDATED WASTE INDUSTRIES
PROJECT NAME: TAMCO
STREET: 10680 SILICON AVE
PROJECT CONTACT: MARK
CITY: MONTCLAIR STATE: CA ZIP: 91763
SAMPLER(S) SIGNATURE:
TEL: (909) 625 6645 FAX: (909) 482 2273

TURNAROUND TIME DESIRED
☐ Same Day ☒ 24 Hour ☐ 48 Hour
☐ [illegible] ☐ Standard(2 Weeks)
☐ Other
Confirmed By: _____

SHIPPING INFORMATION:

AFTER ANALYSES, SAMPLES ARE TO BE: ☐ DISPOSED OF ☐ STORED (30 days) ☐ RETURNED TO CLIENT ☐ OTHER:

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE: 11/4/93	TIME: 6:00 PM
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:

SAMPLE I.D	LAB I.D	SAMPLING DATE/TIME	MATRIX	No. of Containers	ANALYSIS REQUESTED	SAMPLE RECEIVED CONDITION	Sample Stored Location
ONE	931104-9	11493 300pm	Soil	1	8015 M (Diesel)	OK	R2
TWO	-10	11493 315 pm		1	8015 M		
THREE	-11	11493 345 pm		1	8015 M		
FOUR	-12	11493 400 pm		1	8015 M		
FIVE	-13	11493 430pm		1	8015 M		
SIX	-14	11493 440pm		1	8015 M		
SEVEN	-15	11493 450 pm		1	8015 M		

DISTRIBUTION: WHITE WITH REPORT • YELLOW TO COURIER

11-05-1993 01:17PM Enviro-Chem Inc. P.03

MAP PREPARED BY MARK A. FREEMAN (MARKO)

NASH SALVAGE, INC. (714) 462-2257 (213) 946-8401 (800) 675-7536 FAX: (213) 941-4157
CONTAINERIZED CHEMICAL DISPOSAL, INC. (714) 625-6645 (800) 233-3748 FAX: (714) 634-8471
CA 91763-4621 (714) 462-2257 (800) 769-2167

PROJECT NAME TAMCO
PROJECT LOCATION 12459 ARLAN HIGHWAY
PAGE 1 OF 1
DATE 11 5 93

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)624-8471 OR 482-2272

PROJECT: TAMCO

MATRIX: SOIL
DATE SAMPLED: 11/04/93
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 11/04/93
DATE ANALYZED: 11/04/93
DATE REPORTED: 11/05/93

UNIT: MG/KG (PPM)

SAMPLE I.D.	LAB I.D.	RESULT(DIESEL**)
ONE	931104-9	1,533
TWO	931104-10	ND
THREE	931104-11	ND
FOUR	931104-12	12,360
FIVE	931104-13	ND
SIX	931104-14	77
SEVEN	931104-15	ND
	METHOD	8015M
	DETECTION LIMIT	10

COMMENTS
** = CA-DHS LUFT METHOD -- DIESEL BY DIRECT INJECT/GC-FID
(EXTRACTABLE PETROLEUM HYDROCARBONS)

ND = BELOW THE DETECTION LIMIT OR NON-DETECTED

Data Reviewed and Approved by:

CAL-DHS ELAP CERTIFICATE No.: 1555

ENVIRO-CHEM, INC.
LABORATORIES
1214 E. Lexington Ave.
Pomona, CA 91766
(909) 590-5905 • Fax: (909) 590-5907

CHAIN of CUSTODY RECORD

DATE: _____
PAGE: _____ of _____

Lab Project # _____

CA-DHS ELAP CERTIFICATE # 1555

RUSH
RUSH

REPORT TO: CONSOLIDATED WASTE INDUSTRIES
PROJECT NAME: TAMCO
STREET: 10680 SILICON AVE
PROJECT CONTACT: MARK
CITY: MONTCLAIR STATE: CA ZIP: 91763
SAMPLER(S) SIGNATURE:
TEL: (909) 625 6645 FAX: (909) 482 2273

TURNAROUND TIME DESIRED
☐ Same Day ☒ 24 Hour ☐ 48 Hour
☐ [illegible] ☐ Standard(2 Weeks)
☐ Other
Confirmed By:

SHIPPING INFORMATION:

AFTER ANALYSES, SAMPLES ARE TO BE: ☐ DISPOSED OF ☐ STORED (30 days) ☐ RETURNED TO CLIENT ☐ OTHER:

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE: 11/4/93	TIME: 6:00 PM
RELINQUISHED BY (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:

SAMPLE I.D	LAB I.D	SAMPLING DATE/TIME	MATRIX	No. of Containers	ANALYSIS REQUESTED	SAMPLE RECEIVED CONDITION	Sample Stored Location
ONE	931104-9	11493 300pm	Soil	1	8015 M (Diesel)	ok	R2
TWO	-10	11493 315pm		1	8015 M		
THREE	-11	11493 345pm		1	8015 M		
four	-12	11493 400pm		1	8015 M		
FIVE	-13	11493 430pm		1	8015 M		
SIX	-14	11493 440pm		1	8015 M		
SEVEN	-15	11493 450pm		1	8015 M		

DISTRIBUTION: WHITE WITH REPORT • YELLOW TO COURIER

11-05-1993 01:17PM Enviro-Chem, Inc.

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982361405 | Manifest Document No. 031914 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
TAMCO
P.O. BOX 325, RANCHO CUCAMONGA, CA 91739

4. Generator's Phone (909) 899-0660

5. Transporter 1 Company Name
CERTIFIED ENVIRONMENTAL TRANSPORT

6. US EPA ID Number
CAD983604505

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
ERICKSON INC., 13738 SLOVER AVENUE,
FONTANA, CA 92337

10. US EPA ID Number
CAD982484933

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA, HAZARDOUS WASTE SOLID	001	TP	00025	T
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPIRATORY PROTECTION LEVEL D, P.P.E.
24-HOUR EMERGENCY PHONE #: 909/899-0660 LEONARD E. ROBINSON
32822

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
OBO TAMCO MICHAEL PARCHAN	Michael Parchan	11	04	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAN SIMMONDS		11	04	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LEELEN T. BARRIGAN	LeeLen T. Barrigan	11	05	93

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, [illegible] completed copy of this copy and send to DTSC within 30 days.)

DTSC 8022A (7/92)

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

C A D 9 8 2 3 6 1 4 0 5 | 0 3 1 9 6 | of 1

GENERATOR

3. Generator's Name and Mailing Address
TAMCO
P.O. BOX 325, RANCHO CUCAMONGA, CA 91739

4. Generator's Phone (909) 899-0660

5. Transporter 1 Company Name
CERTIFIED ENVIRONMENTAL TRANSPORT

6. US EPA ID Number
C A D 9 8 3 6 0 4 5 0 5

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
ERICKSON INC., 13738 SLOVER AVENUE,
FONTANA, CA 92337

10. US EPA ID Number
C A D 9 8 2 4 8 4 9 3 3

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA, HAZARDOUS WASTE SOLID	0 0 1	T P	0 0 0 2 5	T
b.				
c.				
d.				

[redacted]

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPIRATORY PROTECTION LEVEL D, P.P.E.
32822
24-HOUR EMERGENCY PHONE #: 909/899-0660 LEONARD E. ROBINSON

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
080 TAMCO MICHAEL PERCHAN	Michael Perchan	1 1	0 4	9 3

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAN SIMMONDS	Dan Simmonds	1 1	0 4	9 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LEELEN T. BARRIGAN	Leelen T. Barrigan	1 1	0 5	9 3

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state

DTSC 8022A (7/92)
EPA 8700—22

Gibson Environmental

October 26, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
10/21/93	13534	00087448	22	CYD
10/21/93	13535	00087450	27	CYD
10/21/93	13710	00087463	28	CYD
10/21/93	13712	00087454	26	CYD
10/21/93	13713	00087455	13	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 04 1993
TAMCO
ENGINEERING
DEPT

Gibson Environmental

October 27, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
10/23/93	13708	00087537	27	CYD
10/22/93	13711	00087525	25	CYD
10/23/93	13714	00087542	28	CYD
10/23/93	13716	00087538	28	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

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Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 04 1993
TAMCO
ENGINEERING
DEPT

Gibson Environmental

October 27, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
10/26/93	13533	00087685	10	CYD
10/26/93	13709	00087652	28	CYD
10/26/93	13715	00087654	46,480	LBS

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 04 1993
TAMCO
ENGINEERING
DEPT

Gibson Environmental

October 31, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
10/28/93	12256	00087892	22	CYD
10/27/93	13687	00087740	27	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 04 1993
TAMCO
ENGINEERING
DEPT

Gibson Environmental

November 10, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
11/05/93	13846	00088343	28	CYD
11/05/93	13847	00088342	27	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 17 1993
TAMCO
ENGINEERING
DEPT

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Tosco 1/10 EPA I.D. NO. CAD982361409

ADDRESS PO BOX

CITY, STATE, ZIP Rancho Cucamonga, Ca PHONE NO. 909 899-0660

CONTAINERS: No. 1 VOLUME 5YDS WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Hydrocarbons		1%	6.		
3.			7.		
4.					

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Use Appropriate Safety Equipment

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Mike Pearson 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Consolidated Waste Systems EPA I.D. NO. CAD981366583

ADDRESS 10660 Sloan Ave SERVICE ORDER NO. 1173

CITY, STATE, ZIP Mira Loma, Ca 91763 PICK UP DATE 10-20-93

PHONE NO. 800 786-2167

TRUCK, UNIT, I.D. NO. Rick Brown Rick Brown 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Environmental EPA I.D. NO. CAD980883177

ADDRESS End of Commercial Dr. DISPOSAL METHOD ☐ LANDFILL ☐ OTHER Recycle

CITY, STATE, ZIP Bakersfield, Ca

PHONE NO. ( )

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN:	OLD/NEW:	L A	TONS
TRANS:		S B	
C/O:		RT/CD	HWDF: NONE ☐ DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Tamco Ind.

EPA I.D. NO. CAD 982361404

ADDRESS P O Box 325

CITY, STATE, ZIP Rancho Cucamonga, CA. 91739

PHONE NO.

CONTAINTERS: NO. 1 VOLUME 15 yards WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesel Contaminated Soil

GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Use appropriate Safety Equipment

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Mike Perchan — 10-28-93

TYPED OR PRINTED FULL NAME & SIGNATURE: MIKE PERCHAN — DATE

TRANSPORTER

NAME Consolidated Waste Industries, Inc.

EPA I.D. NO. CAD 983665883

ADDRESS 10680 Silicon Avenue

SERVICE ORDER NO. 1173

CITY, STATE, ZIP Montclair, CA 91763

PICK UP DATE 10-30-93

PHONE NO. 800-788-2167

TRUCK, UNIT I.D. NO. 20-ED-3

Rick Brown, Rob Brown — 10-2-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME Gibson Environmental

EPA I.D. NO. CAD 980938177

DISPOSAL METHOD

ADDRESS End of Commercial Dr.

☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP Bakersfield, CA.

PHONE NO. ( )

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN.	OLD / NEW	L A	TONS:	
TRANS		S B		
C/O		RT / CD	HWDF NONE	

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Tasco Ind.

ADDRESS P O Box 325

EPA I.D. NO. CAD982361404

CITY, STATE, ZIP Rancho Cucamonga, CA. 91739

PHONE NO.

CONTAINTERS: NO: VOLUME 15 yards WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesel Contaminated Soil

GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Use appropriate Safety Equipment

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Mike Perchun — 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

MIKE PERCHUN

TRANSPORTER

NAME Consolidated Waste Industries, Inc.

EPA I.D. NO. CAD983668583

ADDRESS 10680 Silicon Avenue

SERVICE ORDER NO. 41173

CITY, STATE, ZIP Montclair, CA 91763

PICK UP DATE 10-20-93

PHONE NO. 800-788-2167

TRUCK, UNIT I.D. NO.

R. Rand R. L. Brown — 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME Gibson Environmental

EPA I.D. NO. CAD980883177

ADDRESS End of ComercialDr.

DISPOSAL METHOD ☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP Bakersfield, CA.

PHONE NO. ( )

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/Q		RT / CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Tanco Ind.

EPA I.D. NO. C A D 9 8 2 3 6 1 4 0 4

ADDRESS P O Box 325

CITY, STATE, ZIP Rancho Cucamonga, CA. 91739

PHONE NO.

CONTAINTERS: NO. _____ VOLUME est 10 yds 15 yards WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☒ OTHER Bins A

WASTE DESCRIPTION Diesel Contaminated Soil

GENERATING PROCESS Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydorcarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Use appropriate Safety Equipment

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Mike Perchan 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE MIKE PERCHAN DATE

TRANSPORTER

NAME Consolidated Waste Industries, Inc.

EPA I.D. NO. C A D 9 8 3 6 6 8 5 8 8

ADDRESS 10680 Silicon Avenue

SERVICE ORDER NO. 1173

CITY, STATE, ZIP Montclair, CA 91763

PICK UP DATE

PHONE NO. 800-788-2167

TRUCK, UNIT. I.D. NO. _____

Rick Brown Rick Brown 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Environmental

EPA I.D. NO. C A D 9 8 0 8 8 3 1 7 7

DISPOSAL METHOD

ADDRESS End of Commercial Dr.

☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP Bakersfield, CA.

PHONE NO. ( )

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/G		RT/CD	HWDF NONE

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Tanco Ind.

EPA I.D. NO.: C A D 9 8 2 3 6 1 A 0 A

ADDRESS: P O Box 325

CITY, STATE, ZIP: Rancho Cucamonga, CA. 91739

PHONE NO.:

CONTAINTERS: NO. 1 VOLUME: 10 yards WEIGHT:

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☒ OTHER Bins B

WASTE DESCRIPTION: Diesel Contaminated Soil

GENERATING PROCESS:

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1 %	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Use appropriate Safety Equipment

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Mike Perchan — 10-30-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

MIKE PERCHAN

TRANSPORTER

NAME: Consolidated Waste Industries, Inc.

EPA I.D. NO.: C A D 9 3 3 6 6 8 5 8 3

ADDRESS: 10680 Silicon Avenue

SERVICE ORDER NO.: 173

CITY, STATE, ZIP: Montclair, CA 91763

PICK UP DATE: 10-30-93

PHONE NO.: 800-788-2167

TRUCK, UNIT, I.D. NO.:

Rick Bowen Rick Bowen — 10-31-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: Gibson Environmental

EPA I.D. NO.: C A D 9 8 0 8 8 3 1 7 7

ADDRESS: End of Commercial Dr.

DISPOSAL METHOD: ☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP: Bakersfield, CA.

PHONE NO. ( )

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
CO		RT / CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TAMCO INDUSTRIES

EPA I.D. NO.: C A D 9 8 2 3 6 1 4 0 4

ADDRESS: P.O. BOX 325

CITY, STATE, ZIP: RANCHO CUCAMONGA, CA 91739

PHONE NO.: (909) 899-6600

CONTAINTERS: NO. _____ VOLUME: YARD WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION: Diesel Contaminated Soil

GENERATING PROCESS: _____

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99%	5.		
2. DIESEL HYDROCARBONS		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT. PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE PERCHAN _____ 10/21/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: CONSOLIDATED WASTE INDUSTRIES J/M

EPA I.D. NO.: ~~C A D 9 8 8 1 8 5 3~~

ADDRESS: 10680 Silicon Avenue 374 E. Cammi.

SERVICE ORDER NO.: 84197

CITY, STATE, ZIP: ~~Montclair, CA 91763~~ Rowland CA 91748

PICK UP DATE: 10-21-97

PHONE NO.: ~~800-788-2167~~ (310) 912-2709

TRUCK, UNIT I.D. NO.: 80 1

Carlos Carrillo _____ 10/21/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: GIBSON OIL REFINING

EPA I.D. NO.: C A D 9 8 0 8 [illegible] 1 7 7

ADDRESS: END OF COMMERCIAL DRIVE

DISPOSAL METHOD: ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP: BAKERSFIELD, CA 93308

PHONE NO.: 805 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/O		RT / CD	HWDF NONE

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TANCO IND.

ADDRESS: P.O. BOX 325

EPA I.D. NO.: CAD982361404

CITY, STATE, ZIP: RANCHO CUCAMONGA, CA 91739

PHONE NO.: (909)899-8660

CONTAINTERS: NO. _____ VOLUME: YARD WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION: DIESEL CONTAMINATED SOIL GENERATING PROCESS _____

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99%	5.		
2. DIESEL (HYDROCARBONS)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 8 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE PERSIAN Mike Persian 10/21/93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: CONSOLIDATED WASTE INDUSTRIES

EPA I.D. NO.: CAD983668883

ADDRESS: 10680 Silicon Avenue

SERVICE ORDER NO.: 001197

CITY, STATE, ZIP: Montclair, CA 91763

PICK UP DATE: 10/21/93

PHONE NO.: 800-788-2167

TRUCK, UNIT, I.D. NO.: 08ED3

Marvin Rowlan MARVIN ROWLAN 10/21/93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: GIBSON OIL REFINING

EPA I.D. NO.: CAD980883177

DISPOSAL METHOD

ADDRESS: END OF COMMERCIAL DRIVE ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP: BAKERSFIELD, CA 93308

PHONE NO.: (805) 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN.	OLD / NEW	L A	TONS:
TRANS.		S B	
DO		RT / CD	HWDF NONE

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TAMCO IND.

EPA I.D. NO.: C A D 9 8 2 3 6 1 4 0 4

ADDRESS: P. O. BOX 325

CITY, STATE, ZIP: RANCHO CUCAMONGA, CA 91739

PHONE NO.: (909) 899 0460

CONTAINTERS: NO. _____ VOLUME: YARD WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION: DIESEL CONTAMINATED SOIL

GENERATING PROCESS: _____

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM	%
1.	SOIL		99%	5.			
2.	DIESEL (HYDROCARBONS)		1%	6.			
3.				7.			
4.				8.			

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE PERCHAN Mike Perchan 10/21/93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: ~~CONSOLIDATED WASTE INDUSTRIES~~ Falcon Disposal Inc.

EPA I.D. NO.: C A D 9 8 5 6 6 8 5 8 9

ADDRESS: ~~10680 Silicon Avenue~~ 2516 67 Avenue

SERVICE ORDER NO.: 001197

CITY, STATE, ZIP: ~~Montclair, CA 91768~~ Paramount CA. 90805

PICK UP DATE: 10/21/93

PHONE NO.: ~~800-788-2167~~ (800) 252-5111 (213) 590 8531

TRUCK, UNIT I.D. NO.: 14 252

Eduardo Soto / 10/21/93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: ~~KERN~~ GIBSON OIL REFINING

EPA I.D. NO.: C A D 9 8 0 8 8 3 1 7 7

ADDRESS: END OF COMMERCIAL DRIVE

DISPOSAL METHOD: ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP: BAKERSFIELD, CA 93308

PHONE NO.: 805 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L	A	TONS	
TRANS		S	B		
C/O		RT./CD		HWDF	NONE

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TAHCO IND. — SPECIFICATION TAHCO 12" WATERLINE PITTSBURG, CA

MAILING ADDRESS: P.O. BOX 325 — EPA I.D. NO.: CAD 982361404

CITY, STATE, ZIP: RANCHO CUCAMONGA, CA 91739 — PHONE NO.: (909) 899-0660

CONTAINTERS: NO. _____ VOLUME: YARD WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION: DIESEL CONTAMINATED SOIL — GENERATING PROCESS _____

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99%	5.		
2. DIESEL (HYDROCARBONS)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT — PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard F Ramos — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE 10 21 93

TRANSPORTER

NAME: FALCON DISPOSAL SERVICES, INC. CONSOLIDATED WASTE INDUSTRIES — EPA I.D. NO.: CAD 983668583

ADDRESS: ~~10680 Silicon Avenue~~ 2512 E 7TH ST — SERVICE ORDER NO.: 0001197

CITY, STATE, ZIP: ~~Montclair, CA 91763~~ LONG BEACH CA 90804 — PICK UP DATE: 10 21 93

PHONE NO.: ~~800-788-2167~~ (800) 573-4355

TRUCK, UNIT, I.D. NO.: 8,251 — ANGEL SANDOVAL — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE 10 21 93

TSD FACILITY

NAME: GIBSON OIL REFINING — EPA I.D. NO.: CAD 980883177

ADDRESS: END OF COMMERCIAL DRIVE — DISPOSAL METHOD: ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP: BAKERSFIELD, CA 93308

PHONE NO.: (805) 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/O		RT / CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TAMCO IND.

ADDRESS: P. O. BOX 325

CITY, STATE, ZIP: RANCHO CUCAMONGA, CA 91739

EPA I.D. NO.: CAD982361404

PHONE NO.: (909) 899 0460

CONTAINTERS: NO. 1 VOLUME 1 YARD WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: DIESEL CONTAMINATED SOIL GENERATING PROCESS:

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99%	5.		
2. DIESEL (HYDROCARBONS)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Mike Parsons — 10/27/93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: CONSOLIDATED WASTE INDUSTRIES

EPA I.D. NO.: CAD983668583

ADDRESS: 10680 Silicon Avenue

SERVICE ORDER NO.: 200122

CITY, STATE, ZIP: Montclair, CA 91763

PICK UP DATE: 10/27/93

PHONE NO.: 800-788-2167

TRUCK, UNIT, I.D. NO.: 05 701

Mark A. Patterson — 102793

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: GIBSON OIL REFINING

EPA I.D. NO.: CAD980883177

ADDRESS: ENDOF COMMERCIAL DRIVE

DISPOSAL METHOD: ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP: BAKERSFIELD, CA 93308

profile # 16519

PHONE NO.: 805 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/O		RT / CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TAMCO INDUSTRIES — SITE LOCATED 1/2 MILE NORTH OF ETIWANDA AVENUE ON 4TH STREET

ADDRESS: P. O. BOX 325

EPA I.D. NO.: C A D 9 8 2 3 6 1 4 0 4

CITY, STATE, ZIP: RANCHO CUCAMONGA, CA 91739

PHONE NO.: (909) 899-0660

CONTAINTERS: NO.: 1 VOLUME: 15 YARD WEIGHT:

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: DIESEL CONTAMINATED SOIL GENERATING PROCESS:

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		1%	5.		
2. DIESEL (HYDROCARBONS)		99%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE # 16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE RICHARDSON 10-22-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: CONSOLIDATED WASTE INDUSTRIES

EPA I.D. NO.: C A D 9 8 3 6 6 8 5 8 3

ADDRESS: 10680 Silicon Avenue

SERVICE ORDER NO: 200120

CITY, STATE, ZIP: Montclair, CA 91763

PICK UP DATE: 10-22-93

PHONE NO.: 800-788-2167

TRUCK, UNIT I.D. NO.: 03 ED2

MARK A. THOMAS 10-22-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: GIBSON OIL REFINING

EPA I.D. NO.: C A D 9 8 0 8 8 3 1 7 7

ADDRESS: END OF COMMERCIAL DRIVE

DISPOSAL METHOD: ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP: BAKERSFIELD, CA 93308

PROFILE # 16579

PHONE NO.: 805 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW:	L A	TONS	
TRANS		S B		
C/O		RT / CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE LOCATION

NAME: TAMCO IND.

ADDRESS: P.O. Box 325

EPA I.D. NO.: C A D 9 8 2 3 6 1 4 0 4

CITY, STATE, ZIP: RANCHO CUCAMONGA, CA 91739

PHONE NO.: (909) 477 0660

CONTAINTERS: NO. 1 VOLUME: 15 yards WEIGHT:

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Diesel Contaminated Soil

GENERATING PROCESS:

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Wear Appropriate Safety Equipment PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE PERCHAN Mike Perchan 10/29/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: CONSOLIDATED WASTE INDUSTRIES

EPA I.D. NO.: C A D 9 8 3 6 5 8 5 8 5

ADDRESS: 10680 Silicon Avenue

SERVICE ORDER NO.: 0001724

CITY, STATE, ZIP: Montclair, CA 91763

PICK UP DATE:

PHONE NO.: 800-788-2167

TRUCK, UNIT I.D. NO.: 22 E03

MARK N. TOFFEN Mark N. Toffen 10/29/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Gibson Oil Refining

EPA I.D. NO.: C A D 9 8 0 8 8 3 1 7 7

ADDRESS: End of Commercial Drive

DISPOSAL METHOD: ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Bakersfield, CA 93308

profile # 16579

PHONE NO.: (805) 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/O		RT / CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Tanco Ind.

EPA I.D. NO.: C A D 9 8 2 5 6 H 4 0 4

ADDRESS: P. O. Box 325

CITY, STATE, ZIP: Rancho Cucamonga, CA 91739

PHONE NO.: (909) [redacted]

CONTAINTERS: NO. 1 VOLUME 15 yards WEIGHT [redacted]

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☑ OTHER [redacted]

WASTE DESCRIPTION: Diesel Contaminated Soil

GENERATING PROCESS: [redacted]

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER [redacted]

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE #[redacted]

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Mike Perchan [redacted] 10/25/93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: CONSOLIDATED WASTE INDUSTIRES

EPA I.D. NO.: C A D 9 8 3 6 6 8 3 8 5

ADDRESS: 10680 Silicon Avenue

SERVICE ORDER NO.: 1225

CITY, STATE, ZIP: Montclair, CA 91763

PICK UP DATE: 10/25/93

PHONE NO.: 800-788-2167

TRUCK, UNIT I.D. NO.: 05 502 [redacted] 107593

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: GIBSON OIL REFINING

EPA I.D. NO.: C A D 9 8 0 8 8 3 1 7 7

ADDRESS: END OF COMMERCIAL DRIVE

DISPOSAL METHOD: ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP: BAKERSFIELD, CA 93308

permit # 1679

PHONE NO.: (805) 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S W B		
C/O		RT / CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TAMCO IND. — Fontana CA

ADDRESS: P. O. Box 325 — EPA I.D. NO.: C A D 9 8 2 3 6 1 4 0 4

CITY, STATE, ZIP: RANCHO CUCAMONGA, CA 91739 — PHONE NO.: (909) 899 0660

CONTAINTERS: NO.: 1 — VOLUME: YARD — WEIGHT: 78,680

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☑ CARTONS ☐ OTHER

WASTE DESCRIPTION: DIESEL CONTAMINATED SOIL — GENERATING PROCESS:

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99% XX	5.		
2. DIESEL (HYDROCARBONS)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT — PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard Robins — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE: 10/25

TRANSPORTER

NAME: CONSOLIDATED WASTE INDUSTRIES — EPA I.D. NO.: C A D 9 8 3 6 6 8 5 8 3

ADDRESS: 10680 Silicon Avenue — SERVICE ORDER NO.: [illegible]

CITY, STATE, ZIP: Montclair, CA 91763 — PICK UP DATE: 10/25/93

PHONE NO.: 800-788-2167

TRUCK, UNIT I.D. NO.: 431689 — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE: 10/25/93

TSD FACILITY

NAME: GIBSON OIL REFINING — EPA I.D. NO.: C A D 9 8 0 8 8 3 1 7 7

ADDRESS: END OF COMMERCIAL DRIVE — DISPOSAL METHOD: ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP: BAKERSFIELD, CA 93308 — profile # 16719

PHONE NO.: 805 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/O		RT / CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME IAMS

ADDRESS PO BOX 35

CITY, STATE, ZIP Rancho Cucamonga, CA. 91729

EPA I.D. NO. CA0982611704

PHONE NO. (909) 987-4660

CONTAINTERS: NO. 1 VOLUME 15 y WEIGHT 78200

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☒ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil	>	99 %	5.		
2. Diesel (Unleaded)	<	1 %	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Must Aerate Soil / Treatment

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard E. Robinson — 10-5-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME Consolidated Waste Systems

EPA I.D. NO. CAD983648583

ADDRESS 10680 Silicon Avenue

SERVICE ORDER NO. 107577-MK1

CITY, STATE, ZIP Montclair, CA 91763

PICK UP DATE 10-5-93

PHONE NO. 800-788-2167

TRUCK, UNIT I.D. NO. 30, 603 Mark H. Freeman — 10-5-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME Liberty Oil Refining

EPA I.D. NO. CAD980828177

DISPOSAL METHOD

ADDRESS End of Commercial Drive

☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP Exeter, CA 93208

permit # 16519

PHONE NO. 209 327 0113

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L — A	TONS
TRANS	1	S — B	
C/O		RT / CD	HWDF — NONE

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME TAMCO STEEL INC.

EPA I.D. NO. CAD982361404

ADDRESS PO BOX 925

CITY, STATE, ZIP RANCHO CUCAMONGA, CA 91739

PHONE NO. 909 899 0660

CONTAINTERS: NO. 1 VOLUME 15 YDS WEIGHT 78520

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: DIESEL CONT. SOIL

GENERATING PROCESS: TANK REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99	5.		
2. DIESEL		1	6.		
3.			7.		
4.			8.		

PROPERTIES: PH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: USE APPROPIATE SAFETY EQUIPMENT

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard E. Robinson — 11-5-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME United Rentals Co

EPA I.D. NO. CDOT29537711

ADDRESS ~~1550 Simon Avenue~~ 16014 E. Valley Blvd

SERVICE ORDER NO. 111593-1

CITY, STATE, ZIP ~~Montclair, CA 91763~~ City of Industry

PICK UP DATE 11-5-93

PHONE NO. ~~909 626-4444~~ 818 961-9326

TRUCK, UNIT I.D. NO 25-D-4

Salvador Aguilar — 11-5-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME GIBSON ENVIRONMENTAL

EPA I.D. NO. CAD988883177

ADDRESS ~~2000~~ END OF COMMERCIAL DR.

DISPOSAL METHOD: ☐ LANDFILL ☒ OTHER RECYCLE

CITY, STATE, ZIP BAKERSFIELD, CA. 93308

PHONE NO. 805 327 0413

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

13163

TO BE COMPLETED BY GENERATOR

NAME: TAMCO STEEL IND.

EPA I.D. NO.: CAD982361404

ADDRESS: PO BOX 325

CITY, STATE, ZIP: RANCHO CUCAMONGA, CA. 91739

PHONE NO.: 909-355-0660

CONTAINTERS: NO. 1 VOLUME 15 Yds WEIGHT 77,500

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Diesle Cont. Soil GENERATING PROCESS: tank removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. soil		99	5.		
2. diesel		1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☒ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: USE APPROPIATE SAFETY EQUIPMENT

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard F Robinson — 11-15-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: United Rim & Wheel Co.

EPA I.D. NO.: CAD067295371

ADDRESS: ~~19600 Silicon Avenue~~ 16014 E Valley Blvd

SERVICE ORDER NO.: 11-15-93-1

CITY, STATE, ZIP: ~~Montclair, CA 91763~~ City of Industry

PICK UP DATE: 11-15-93

PHONE NO.: ~~800-766-2467~~ 818-961-9326 P. TONY FIGUEROA

TRUCK, UNIT I.D. NO.: 16-D-3 Tony Figueroa — 11-15-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: GIBSON ENVIRONMENTAL

EPA I.D. NO.: CAD980883177

DISPOSAL METHOD

ADDRESS: END OF COMMERCIAL DR.

☒ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP: BAKERSFIELD CA 93308

Appl # 16519

PHONE NO.: (909) 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/O		RT / CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

13154

TO BE COMPLETED BY GENERATOR

NAME TAMCO STEEL INC.

EPA I.D. NO. CAD 982361404

ADDRESS PO BOX 325

CITY, STATE, ZIP RANCHO CUCAMONGA, CA. 91739 PHONE NO. 909 899-0660

CONTAINTERS: NO. 1 VOLUME 15 YDS WEIGHT 24,700.

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION diesel contaminated soil GENERATING PROCESS site clean up

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. soil		99	5.		
2. diesel		1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS USE APPROPIATE SAFETY EQUIPMENT

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard E. Robinson 11-5-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME United Pumping Co EPA I.D. NO. CADD072953717

ADDRESS 1604 E Valley Blvd SERVICE ORDER NO. 11115 93-1

CITY, STATE, ZIP City of Industry PICK UP DATE 11-15-93

PHONE NO. 818 961-9329

TRUCK, UNIT I.D. NO. 23-0-5 + Mike Cervantes Mike Cervantes 11-15-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GIBSON ENVIRONMENTAL EPA I.D. NO. CAD980831117

DISPOSAL METHOD

ADDRESS END OF COMMERCIAL DRIVE ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP BAKERSFIELD, CA 93308

PHONE NO. (805) 327-0413

Leonard E. Robinson

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/D		RT / CD	HWDF NONE

DISCREPANCY

SAN BERNARDINO COUNTY - DEHS
HAZARDOUS MATERIALS FIELD SERVICES PROGRAM
UNDERGROUND STORAGE TANK REMOVAL
INSPECTION FORM

DATE: 11-4-93 TIME: 1:00

FACILITY NAME: Tamco

LOCATION: 12549 Arrow, Rancho Cucamonga

CONTRACTOR: Owner removal

INSPECTORS PRESENT
DEHS: L. Holst
AQMD:
FIRE: Kevin Walton
OTHER:

	QUANTITY	HAULER	DESTINATION
Triple Rinsate:	none	tanks hauled as hazardous	
Tanks:	2-50K	Erickson	Erickson

Degassing Contractor: none - diesel

Manifest #: 92881684 92881686

SCAQMD Reference #: E. J93-0183

Dry Ice Used (10-15 lb/1000 gals): 15# / 1000

Are there visible stains or residual odors in backfill or native soil? Is free product present? Is there a sheen on any water? Distinguish between ground water and surface run-off. Does a Rule 1166 situation exist? If so, date, time, and air quality personnel contacted.

NOTES:

CONTAINERIZED CHEMICAL DISPOSAL INC.
24 HOUR EMERGENCY SPILL RESPONSE
714/625-6645

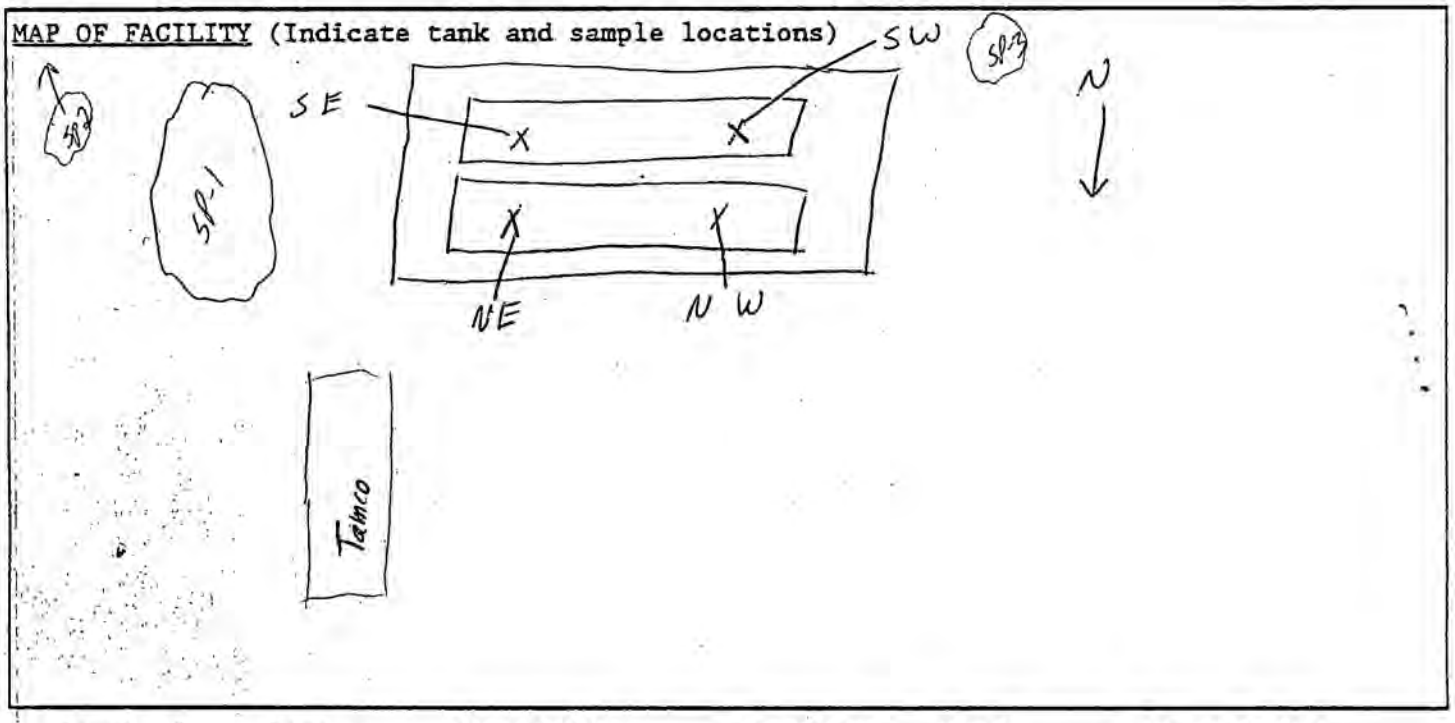
TAMCO
LEONARD E. ROBINSON
ENVIRONMENTAL/SAFETY MANAGER
12459 Arrow Highway
P.O. Box 325
Rancho Cucamonga, CA 91739
(909) 899-0660 Ext. 203
FAX (909) 899-1910

INSPECTOR

CONTRACTOR

	Tank#	Size	Material Held	UL #	Appearance (Rusty, holes, sound, etc.)
1.	1	50K	diesel	NA	sound
2.	2	50K	diesel	NA	sound
3.					
4.					
5.					

MAP OF FACILITY (Indicate tank and sample locations)



	Sample #	Date	Description (Color/Odor)	Location	Depth	EPA Test #'s
1.	1-SW	11-4-93	sand/silt no odor	west end	15'	8015 M-Diesel
2.	1-SE	11-4-93	" " no odor	east end	15'	8015 M-Diesel
3.	1-NE	11-4-93	" "	east end	15'	"
4.	1-NW	11-4-93	" some odor	west end	15'	"
5.	SP-1	11-4-93	" "	east end	1'	"
6.	SP-2	11-4-93	" "	south end	1'	"
7.	SP-3	11-4-93	" "	N+W Stockpile	1'	"
8.						

Samples Taken By: Marko Consolidated Waste Ind Laboratory: Enviro Chem

Container: brass Labels: yes Splits: no Headspace: no Seals: no

Refrigerated: yes Chain of Custody: yes

REQUIRED EPA TESTS

Gasoline: 8020 (BTXE) and 8015 (Modified for gas)
7420 (Pb) if tank held leaded gas.
Diesel: 8015 (Modified for diesel) or 41[illegible]
Solvents: 8010
Waste Oil: 418.1 If contaminated, run me[illegible] 7030(Cd), 7190(Cr), 7950(Zn), 7420(Pb), 7080(As), 8080(PCB's)

NOTE:
UGST's >1000 gallons require a minimum of two samples One sample should be taken at the fill end and the other at t[illegible]urbine end. Both need to be from the native soi[illegible]ot the back fill, that is at least 2 feet below the [illegible] bottom.

ENVIRO-CHEM, INC.
LABORATORIES
1214 E. Lexington Ave.
Pomona, CA 91766
(909) 590-5905 • Fax (909) 590-5907

CHAIN of CUSTODY RECORD

DATE: _____
PAGE: _____ of _____

Lab Project # _____

CA-DHS ELAP CERTIFICATE # 1555

RUSH
RUSH

REPORT TO: CONSOLIDATED WASTE INDUSTRIES | PROJECT NAME: TAMCO | TIME DESIRED: ☐ Same Day ☐ 24 Hour ☐ 48 Hour ☐ Standard(2 Weeks)
STREET: 10680 SILICON AVE | PROJECT CONTACT: MARK
CITY: MONTCLAIR | STATE: CA | ZIP: 91763 | SAMPLER'S SIGNATURE:
TEL: (909) 625-6615 | FAX: (909) 482-2273 | Confirmed By:

SHIPPING INFORMATION | ☐ DISPOSED OF ☐ RETURNED TO CLIENT ☐ OTHER

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE: 11/4/93	TIME: 6:30 PM
RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE: /	TIME:
RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE: /	TIME:

SAMPLE I.D.	LAB I.D.	SAMPLING DATE/TIME	MATRIX	No. Containers	ANALYSIS REQUESTED	SAMPLE RECEIVED CONDITION	Sample Stored Location
ONE	9211054-9	11/4/93 3:00PM	W	1	8015 M (Diesel)	G/C	Rx
TWO	-10	11/4/93 3:15 PM		1	8015 M		
THREE	-11	11/4/93 3:45 PM		1	8015 M		
FOUR	-12	11/4/93 4PM		1	8015 M		
FIVE	-13	11/4/93 4:30PM		1	8015 M		
SIX	-14	11/4/93 4:40 PM		1	8015 M		
SEVEN	-15	11/4/93 4:50 PM	↓	1	8015 M	↓	

DISTRIBUTION: WHITE, with REPORT • YELLOW - RETURNED

11-05-1993 01:17PM Enviro-Chem Inc. P.4

Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982361495 Manifest Document No. 013194

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
TANCO
P.O. BOX 325, RANCHO CUCAMONGA, CA 91739

4. Generator's Phone (909) 899-0660

A. State Manifest Document Number 92881684

B. State Generator's ID CAH936-915338

C. State Transporter's ID 4-1819

D. Transporter's Phone 4-286661

5. Transporter 1 Company Name
CERTIFIED ENVIRONMENTAL TRANSPORT

6. US EPA ID Number CAD982366455

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ERICKSON INC., 13738 SLOVER AVENUE,
FONTANA, CA 92337

10. US EPA ID Number CAD982484933

G. State Facility's ID

H. Facility's Phone 909-355-5601

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
a. NON RCRA, HAZARDOUS WASTE SOLID	001	TP	1	T	State 512 / EPA/Other EXEMPT
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
EMPTY FUEL OIL STORAGE TANKS
50,000 GALLON CAPACITY

K. Handling Codes for Wastes Listed Above
a. T1 b.
c. d.

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPIRATORY PROTECTION LEVEL D, P.P.E.

24-HOUR EMERGENCY PHONE #: 909/899-0660 LEONARD E. ROBINSON

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name [illegible] Signature [signature] Month 1 Day 1 Year 93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name DAN SIMMONDS Signature [signature] Month 1 Day 1 Year 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Signature Month Day Year

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

92881684

DTSC 8022A (7/92)
EPA 8700-22

Yellow: GENERATOR RETAINS

Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD982361405	03116		

GENERATOR

3. Generator's Name and Mailing Address
TAMCO
P.O. BOX 325, RANCHO CUCAMONGA, CA 91739
4. Generator's Phone (909) 899-0660

A. State Manifest Document Number: 92881686
B. State Generator's ID: CAHAH036-01538
C. State Transporter's ID: 41620
D. Transporter's Phone: 909 428-6861
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: 909-355-5601

5. Transporter 1 Company Name: CERTIFIED ENVIRONMENTAL TRANSPORT
6. US EPA ID Number: CAD983604505
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: ERICKSON INC., 13738 SLOVER AVENUE, FONTANA, CA 92337
10. US EPA ID Number: CAD982484933

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA, HAZARDOUS WASTE SOLID	001	TP	0010	T	State 512 / EPA/Other EXEMPT
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
EMPTY FUEL OIL STORAGE TANKS
50,000 GALLON CAPACITY

K. Handling Codes for Wastes Listed Above
a. T1 b.
c. d.

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPIRATORY PROTECTION LEVEL D, P.P.E.

24-HOUR EMERGENCY PHONE #: 909/899-0660 LEONARD E. ROBINSON

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
BOB TAMCO MICHAEL PERCHA	Michael Perch	11	01	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAN SIMMONDS		11	01	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (7/92)
EPA 8700—22

YELLOW: GENERATOR RETAINS

REMOVAL OF FOUR 50,000-GALLON

UNDERGROUND STORAGE TANKS

AT TAMCO

REMOVAL OF FOUR 50,000-GALLON UNDERGROUND STORAGE TANKS AT TAMCO



BACKGROUND

In 1975, TAMCO installed four 50,000-gallon Buehler underground storage tanks (UST)s to store #2 and #3 fuel oil. The fuel oil was to be used as an alternative fuel for the BRICKMONT Re-Heat Furnace. The BRICKMONT Re-Heat Furnace was used to heat billets to an operating temperature of approximately 2100 degrees F prior to being converted into steel reinforcing bar. The Re-Heat Furnace, under normal conditions, was fueled by natural gas. However, in the event of curtailment of natural gas due to supply shortage, fuel oil could be used to keep billet production going.

In 1990, TAMCO replaced the BRICKMONT Re-Heat Furnace with the current ITAM Re-Heat Furnace. The ITAM can use either natural gas or propane; thus, eliminating the need for the fuel oil or the UST(s).

Initially plans for the UST(s) included decontamination and conversion into subterranean water-retention vessels for a proposed wastewater treatment plant. That plan was dropped when it was discovered that a Municipal Wastewater Treatment Plant was going to be built nearby.

After getting an extension from SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENT HEALTH SERVICES (SBDEHS) to remove the UST(s), TAMCO evaluated proposals from approximately 15 contractors. After reviewing the proposals it was determined that none was acceptable to the particular challenges of UST removal at TAMCO. It was decided that TAMCO had the resources to effect a safe and methodical UST removal. After meetings with the various agencies, TAMCO filed permit applications to remove the UST(s) as a builder owner. Permission was granted by:

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES (SBDHES)

CITY OF RANCHO CUCAMONGA FIRE PROTECTION DISTRICT (RCFPD)

CALIFORNIA OCCUPATION SAFETY & HEALTH (CAL/OSH)
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)
STATE CONTRACTOR'S LICENSING BOARD

It was determined that the four UST(s) contained a total of 52,000 gallons of fuel oil. The fuel oil was donated to the ORANGE EMPIRE RAILWAY MUSEUM in Perris, California for use as fuel in the antique locomotive. Once empty, the UST(s) were ready for removal.

The first set of UST(s) was removed on 11/04/93. The second set was removed two weeks later on 11/18/93. All of the UST(s) were manifested as Hazardous Waste and shipped to ERICKSON, INC. facility in Fontana to be decontaminated and cut in sections. Once decontaminated and sectioned, the UST(s) were shipped back to TAMCO as scrap for processing into steel reinforcing bar (rebar).

REQUIRED PERMITS

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES (SBDEHS) UST REMOVAL PERMIT APPLICATION WAS FILED ON 08/26/93,

Log# 091393-01
Job Card #3482.

CITY OF RANCHO CUCAMONGA FIRE PROTECTION DISTRICT (RCFPD) UST REMOVAL APPLICATION WAS FILED ON 10/25/93. A LETTER OF EXEMPTION FROM THE STATE CONTRACTOR'S LICENSING BOARD AND AN EXCAVATION PERMIT FROM CAL/OSH WERE REQUIRED. THE EXEMPTION LETTER WAS RECEIVED 11/01/93:

Permit # 002388
Permit # 3923
Report # 7482 (11/04/93)
Report # 7492 (11/18/93).

STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS (CAL/OSH) WAS FILED ON 10/26/93,

Excavation Permit #556396.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD),

Reference #E-J93-0183.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☒ 7 PERMANENTLY CLOSED SITE ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
TAMCO		
ADDRESS: 12459 Arrow Highway	NEAREST CROSS STREET: Etiwanda	PARCEL # (OPTIONAL)
CITY NAME: Rancho Cucamonga	STATE: CA / ZIP CODE: 91739	SITE PHONE # WITH AREA CODE: (909) 899-0660

✓ BOX TO INDICATE: ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS* ☐ COUNTY-AGENCY* ☐ STATE-AGENCY* ☐ FEDERAL-AGENCY*

* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST _____

TYPE OF BUSINESS	☐ ✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER		Four	CAD 982361404

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST): Robinson, Leonard	PHONE # WITH AREA CODE: (909)899-0660	DAYS: NAME (LAST, FIRST): Perchan, Michael	PHONE # WITH AREA CODE: (909)899-0660
NIGHTS: NAME (LAST, FIRST): Robinson, Leonard	PHONE # WITH AREA CODE: (909)899-0660	NIGHTS: NAME (LAST, FIRST): Perchan, Michael	PHONE # WITH AREA CODE: (909)899-0660

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
TAMCO	Dwight A. Jerlow		
MAILING OR STREET ADDRESS: P.O. Box 325	✓ box to indicate: ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: Rancho Cucamonga	STATE: CA	ZIP CODE: 91739	PHONE # WITH AREA CODE: (909) 899-0660

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
TAMCO	Dwight A. Jerlow		
MAILING OR STREET ADDRESS: P.O. Box 325	✓ box to indicate: ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: Rancho Cucamonga	STATE: CA	ZIP CODE: 91739	PHONE # WITH AREA CODE: (909) 899-0660

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44-022 016 13

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☐ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER _____

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☒ III. ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED)	OWNER'S TITLE	DATE / MONTH/DAY/YEAR
Dwight A. Jerlow	President/CEO	8/26/93

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: [illegible]

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # 8612020024

B. MANUFACTURED BY: BUEHLER

C. DATE INSTALLED (MO/DAY/YEAR) 2/81

D. TANK CAPACITY IN GALLONS: 50,000 Gallons (each)

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☒ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED Fuel Oil C.A.S.#: 3325

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☒ 95 UNKNOWN ☐ 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☒ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 6/78

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION (A) U (2) PRESSURE A U 3 GRAVITY A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A (U) 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☒ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☒ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)

2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS

3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE): Leonard E. Robinson DATE: 4/2/97

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

Submit to:
San Bernardino County Department of Environmental Health Services
[illegible] North Arrowhead Avenue, San Bernardino, CA 92415-0160

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

FEE:

$ 416.00 First Tank

$ 156.00 Each Additional Tank

Fire Agency Rancho Cucamonga

Number of Tanks this Application Four

JOB LOCATION

Facility Name or Contact Person: TAMCO

Phone No.: (909)899-0660

Situs Address: 12459 Arrow Highway

City: Rancho Cucamonga

State: CA

Zip Code: 91739

OWNER

Name: TAMCO

Phone No.: (909)899-0660

Mailing Address: P.O. Box 325

City: Rancho Cucamonga

State: CA

Zip Code: 91739

CONTRACTOR

Name: TAMCO

Phone No.:

Mailing Address:

City:

State:

Zip Code:

Workman's Comp. No.:

Policy No.:

State Contractor's License No.:

Types:

Expiration Date:

Water Sewer Agency: Cucamonga County Water District
Chino Basin Municipal Water District

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Leonard E. Robinson
Print Name

(909) 899-0660
Phone Number

Signature

9/3/91
Date

— OFFICE USE ONLY —

Under Permit ☐ Yes ☐ No

... No.

No. of Tanks

Fees Current ☐ Yes ☐ No

Delinquent Amount

Expiration Date

Amount

Check No.

Date Paid

Taken By

Log No.

Job Card Issued No.

County of San Bernardino
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160 • (714) 387-3080

LOG # 091393-01 JOB CARD # 3482

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

POST THIS CARD AT JOB SITE REM 4

Site Address 12459 ARROW Hwy, RANCHO CUC
TAMCO

Contractor TANKO

Address/Phone No. 1899-0660

	Inspection Record	Approved By	Date
First Inspection	Excavation Clean, Approved Slope		
	Bedding Materials/Depth		
	Holiday Test, Tanks Set		
	Additional Requirements:		
	Do Not Backfill Until Above Approved		
Second Inspection	Tank Air Test 5 PSI/30 Minutes		
	Product Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Additional Requirements:		
Final Inspection	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond Excavation		
	Leak Detectors/Monitors Installed/Operational		
	Lockable Fluid-Tight Access for Monitoring Points		
	Precision Test Results		
	Additional Requirements:		
	FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)		
Tank Removal Inspection	Tank Removed X4	L. Halat	11-18-93
	Required Samples: 8020 (8015) 418.1	L. Halat	11-18-93
	Additional Test Requirements:		
	Removals **Can Not** Be Finaled Until A Copy Of The Sample Results Have Been Received And Approved By This Department.		
	Final – Approved for Backfill		

Additional Requirements by Local Fire Authority:
2-50K Tanks removed, L Halat, 11-4-93
8015 M-Diesel

Final Approved by Local Fire Authority:

Name: Title: Date:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS.

FOR INSPECTION CALL 5 DAYS IN ADVANCE AT (714) 387-3082

THIS PERMIT EXPIRES 9 MONTHS FROM DATE OF ISSUANCE

DISTRIBUTION: White – DEHS Copy
Yellow – APCD Copy
Green – Owner's Copy

14-16867-631 Rev. 7/89

NO: 002388

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Tamco DATE: 11/4/93

ADDRESS: 12459 Arrow, Rancho Cucamonga, CA 91739 PHONE: 909/899-0660

TO: (Type of Permitted Use/Activity) Remove two (2) 50,000^ gallon underground tanks which formerly held fuel oil.

AT: (Location of Permitted Use/Activity) 12459 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: RECEIVED

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ENGINEERING

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY:

TITLE: FIRE INSPECTOR

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-8 3/92 White - Occupant Yellow - Occ. File Pink - File Box

NO: 3923

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE FIRE SAFETY DIVISION NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Tamco DATE: 11/4/93

ADDRESS: 12459 Arrow, Rancho Cucamonga 91739 PHONE: 909-899-0660

TO: (Type of Permitted Use/Activity) remove four ~~(4)~~ 3 50,000 gallon underground tanks which formerly held fuel oil.

AT: (Location of Permitted Use/Activity) 12459 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: OBTAIN PERMIT(S) FOR REMAINING TANKS

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: 11/4/93

BY:

TITLE: FIRE INSPECTOR

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

Rancho Cucamonga Fire District — Fire Safety Division

CONSTRUCTION INSPECTION REPORT

Date 11/4/93 Start Time 1300 End Time _____ Report # 7482

File # _____ Project Name TARGET

Project Address 12459 ARROW ROUTE

Inspected With (Name) LEONARD ROBINSON Ph 989-9660

Representing (Company) TARGET

A (No.) _____ Inspection For UST REMOVAL

Resulted in the Following:

(X) No Non Compliance Observed ( ) Will Examine at Next Inspection
( ) Corrections Essential as Explained Below ( ) Do Not Conceal Until Reinspected
( ) Stop Work per Posted Notice ( ) Notice of Violation

NOTE: A COPY OF THIS NOTICE MUST BE READILY AVAILABLE AT THE JOB SITE UNTIL CORRECTIONS HAVE BEEN APPROVED BY THE FIRE INSPECTOR

(2) SAMPLES FROM EACH TANK FOR TPH 8015 & BTEX 8020

LEL ≤ 10% O_2 ≥ 20%

HAULING HAZARDOUS WASTE TO CHEMICAL WASTE MANAGEMENT

REMOVAL OF TANKS INCLUDE

X HAVE COPY OF CLOSURE REPORT TO INCLUDE TANK INVENTORY, MANIFESTS, ETC.

Call (714) 987-6405 for Re-Inspection When ALL of the Above Items Have Been Corrected

Fire Inspector

FSD 3 (4/90) White File Canary Inspector Pink Referral Goldenrod Job Site

Rancho Cucamonga Fire District — Fire Safety Division
CONSTRUCTION INSPECTION REPORT

Date 11/18/93 Start Time 1300 End Time _____ Report # 7492

File # _____ Project Name TANCO

Project Address ARROW ROUTE

Inspected With (Name) LEONARD PURINGTON Ph 899-0660

Representing (Company) TANCO

A (No.) _____ Inspection For UST REMOVAL

Resulted in the Following:

(X) No Non Compliance Observed ( ) Will Examine at Next Inspection
( ) Corrections Essential as Explained Below ( ) Do Not Conceal Until Reinspected
( ) Stop Work per Posted Notice ( ) Notice of Violation

NOTE: A COPY OF THIS NOTICE MUST BE READILY AVAILABLE AT THE JOB SITE UNTIL CORRECTIONS HAVE BEEN APPROVED BY THE FIRE INSPECTOR

(2) 10,000 GALLON FUEL OIL TANKS - NOTED

(E) 0% O2 L 20%

PER ICBO @ 15 LB/1000 GAL

HAULED AS HAZARDOUS WASTE BY EXCELSIOR

* MOVE COMPLETE CLOSURE REPORT INCLUDING TANK DESTRUCTION CERTS, MANIFEST, RESULTS OF TESTING ETC

TAIL PIPINGS - UNEARTH FOR / UNACCEPTABLE

Call (714) 987-6405 for Re-Inspection When ALL of the Above Items Have Been Corrected

Fire Inspector

FSD 3 (4/90) White-File Canary-Inspector Pink-Referral Goldenrod-Job Site

State of California Department of Consumer Affairs

CONTRACTORS STATE LICENSE BOARD
9835 GOETHE ROAD, SACRAMENTO, CALIFORNIA
MAILING ADDRESS: P.O. BOX 26000
SACRAMENTO, CALIFORNIA 95826
(916) 255-3900

November 1, 1993

Tamco
Att: Leonard E. Robinson,
Environmental/Safety Manager
P.O. Box 325
Rancho Cucamonga, CA 91739-0325

Subject: Administrative Opinion For Owner Builder Exemption

File No: 1764-93

Dear Mr. Robinson:

Your October 27, 1993, letter on the above referenced subject was referred to me for reply. During our phone communication on 10-28-93 you said your employer was a steel mill and wanted to remove their own underground fuel storage tanks. The City of Rancho Cucamonga had refused to issue permits unless a licensed contractor with a hazardous certification was performing the work.

The Contractors State License Board doesn't have jurisdiction over other government agency's acts or omissions. The Board may give administrative opinions on license law only. The legal obligations for the city or county regarding permits and business practices are provided by their legal department. Sections of the Contractors State License Law are listed for your review and reference.

7044. This chapter does not apply to any of the following:

(a) An owner of property, building or improving structures thereon, or appurtenances thereto, who does the work himself or herself or through his or her own employees with wages as their sole compensation, provided none of the structures, with or without the appurtenances thereto, are intended or offered for sale.

(b) An owner of property, building or improving structures thereon, or appurtenances thereto, who contracts for such a project with a subcontractor or subcontractors licensed pursuant to this chapter. However, this exemption shall apply to the construction of single-family residential structures only if four or fewer of these structures are intended or offered for sale in a calendar year. This limitation shall not apply if the owner of property contracts with a general contractor for the construction.

(c) A homeowner improving his or her principal place of

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residence or appurtenances thereto, provided that all of the following conditions exist:

(1) The work is performed prior to sale.
(2) The homeowner has actually resided in the residence for the 12 months prior to completion of the work.
(3) The homeowner has not availed himself or herself of the exemption in this subdivision on more than two structures more than once during any three-year period.

Section 7058.7 of the Business and Professions Code states in part that, "On and after January 1, 1992, a contractor shall not bid for the installation or removal of, or install or remove, an underground storage tank, unless the contractor has passed the hazardous substance removal certification examination developed pursuant to this section."

Under current Board policy, only those contractors holding one of the following classifications are properly licensed to contract solely for the installation and/or removal of underground storage tanks.

* General Engineering Contractors (A)
* Plumbing Contractors (C-36)
* Limited Specialty, Service Station Equipment Contractors (C-61, D/40)
* General Building Contractor (B) if a habitable structure is part of the project.

Based on the information that you have provided, it is my administrative determination that the owner builder is exempt from licensing and hazardous certification on this project under Section 7044 of the B & P code.

I have enclosed copies of Section 7044 and 7058.7 of the B & P Code.

I hope this information is helpful.

Sincerely,

Dale F. Stewart

Dale F. Stewart
License Classifications Deputy

Owner Doing Own Work or Having Employees With Wages as Sole Compensation; Owner Having Licensed Contractors; Improvement of Residence by Homeowner; Presumptions; Injunctions; Discipline; Violations of Sec. 7028

7044. This chapter does not apply to any of the following:

(a) An owner of property, building or improving structures thereon, or appurtenances thereto, who does the work himself or herself or through his or her own employees with wages as their sole compensation, provided none of the structures, with or without the appurtenances thereto, are intended or offered for sale.

(b) An owner of property, building or improving structures thereon, or appurtenances thereto, who contracts for such a project with a subcontractor or subcontractors licensed pursuant to this chapter.

However, this exemption shall apply to the construction of single-family residential structures only if four or fewer of these structures are intended or offered for sale in a calendar year. This limitation shall not apply if the owner of property contracts with a general contractor for the construction.

(c) A homeowner improving his or her principal place of residence or appurtenances thereto, provided that all of the following conditions exist:

(1) The work is performed prior to sale.

(2) The homeowner has actually resided in the residence for the 12 months prior to completion of the work.

(3) The homeowner has not availed himself or herself of the exemption in this subdivision on more than two structures more than once during any three-year period.

In all actions brought under this chapter, proof of the sale or offering for sale of any such structure by the owner-builder within one year after completion of same constitutes a rebuttable presumption affecting the burden of proof that such structure was undertaken for purposes of sale. Except as otherwise provided in this section, proof of the sale or offering for sale of five or more structures by the owner-builder within one year after completion constitutes a conclusive presumption that the structures were undertaken for purposes of sale.

In addition to all other remedies, any (1) licensed contractor, or association of contractors, (2) labor organization, (3) consumer affected by the violation, (4) district attorney, or (5) the Attorney General, shall be entitled to seek injunctive relief prohibiting any violation of this chapter by an owner-builder who is neither licensed nor exempted from licensure by this section or any other section according to the provisions specified in Section 7028.3 or Section 7028.4. The plaintiff in any such action shall not be required to prove irreparable injury and

shall be entitled to attorneys' fees and all costs incurred in the prosecution of such action, provided the plaintiff is the prevailing party. The defendant in any such action, shall be entitled to attorneys' fees and all costs incurred in the defense against such action, provided the defendant is the prevailing party.

The registrar pursuant to Section 7090 may take disciplinary action as provided in this chapter against any person whenever the grounds or cause for disciplinary action arose upon any project undertaken by him or her as a licensee licensed pursuant to this chapter.

Any person, firm, or corporation which has violated Section 7028 by engaging in contracting work as an owner-builder without having a license or an exemption from licensure under this section or any other section shall not be entitled to become a licensee under this chapter for a period of one year following the violation.

(Amended by Stats. 1988, Chapter 1035.)

Finished Products

7045. This chapter does not apply to the sale or installation of any finished products, materials or articles of merchandise, which do not become a fixed part of the structure, nor shall it apply to a material supplier or manufacturer furnishing finished products, materials, or articles of merchandise who does not install or contract for the installation of those items. The term "finished products" shall not include installed carpets or mobilehomes or mobilehome accessory structures as defined in Section 7026.2.

This chapter shall apply to the installation of home improvement goods, as defined in Section 7151.

(Amended by Stats. 1991, Chapter 1160 (AB 2190).)

Personal Property

7046. This chapter does not apply to any construction, alteration, improvement, or repair of personal property. The term "personal property" shall not include mobilehomes or mobilehome accessory structures as defined in Section 7026.2.

(Amended by Stats. 1991, Chapter 1160 (AB 2190).)

Small Operations

7048. This chapter does not apply to any work or operation on one undertaking or project by one or more contracts, the aggregate contract price for which for labor, materials, and all other items, is less than three hundred dollars ($300), that work or operations being considered as of casual, minor, or inconsequential nature.

This exemption does not apply in any case wherein the work of construction is only a part of a larger or major operation, whether undertaken by the same or a different contractor, or in which a division of

(d) With regard to a public entity, if an emergency condition arises, as defined in Section 10122 or 22035 of the Public Contract Code, then all asbestos-related and hazardous substance removal shall be contracted and performed pursuant to Section 10122 or 22035 of the Public Contract Code, respectively. Contractors performing the work shall have all registration and certificates required pursuant to the Labor Code and the Business and Professions Code.

Certification Requirement; Bids

25914.3. Notwithstanding any other provision of law, a contractor who is not certified pursuant to Section 7058.6 of the Business and Professions Code may bid on a project involving asbestos related work so long as the asbestos related work is performed by a contractor who is registered pursuant to Section 6501.5 of the Labor Code and certified pursuant to Section 7058.6 of the Business and Professions Code.

(Added by Stats. 1991, Chapter 789 (AB 1639).)

Hazardous Substance Removal Certification Examination; Advisory Committee

7058.7. (a) No contractor shall engage in a removal or remedial action, as defined in subdivision (d), unless the applicant for the license has passed an approved hazardous substance removal certification examination.

(b) (1) The Contractors State License Board, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the State Department of Health Services shall jointly select an advisory committee, which shall be composed of two representatives of hazardous substance removal workers in California, two general engineering contractors in California, and two representatives of insurance companies in California who shall be selected by the Insurance Commissioner.

(2) The Contractors State License Board shall develop a written test for the certification of contractors engaged in hazardous substance removal or remedial action, in consultation with the Division of Occupational Safety and Health, the State Water Resources Control Board, the State Department of Health Services, and the advisory committee.

(c) The Contractors State License Board may require additional updated approved hazardous substance removal certification examinations of licensees currently certified based on new public or occupational health and safety information. The Contractors State License Board, in consultation with the State Department of Health Services, shall approve initial and updated hazardous substance removal certification examinations and determine whether to require an updated

certification examination of all current certificate holders.

(d) For purposes of this section "removal or remedial action" has the same meaning as found in Chapter 6.8 (commencing with Section 25300) of Division 20 of the Health and Safety Code, if the action requires the contractor to dig into the surface of the earth and remove the dug material and the action is at a site listed pursuant to Section 25356 of the Health and Safety Code or any other site listed as a hazardous waste site by the State Department of Health Services or a site listed on the National Priorities List compiled pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, (42 U.S.C. Sec. 9601 et seq.). "Removal or remedial action" does not include asbestos-related work, as defined in Section 6501.8 of the Labor Code, or work related to a hazardous substance spill on a highway.

(e) (1) On and after January 1, 1992, a contractor shall not bid for the installation or removal of, or install or remove, an underground storage tank, unless the contractor has passed the hazardous substance removal certification examination developed pursuant to this section.
(2) For purposes of this subdivision, "underground storage tank" has the same meaning as defined in subdivision (x) of Section 25281 of the Health and Safety Code.

(Amended by Stats. 1990, Chapter 1366 (SB 2004), eff. Sept. 26, 1990.)

EXTRACT FROM THE HEALTH AND SAFETY CODE

Definitions

25281. For purposes of this chapter, the following definitions apply:

(a) "Automatic line leak detector" means any method of leak detection, as determined in regulations adopted by the board, which alerts the owner or operator of an underground storage tank to the presence of a leak. "Automatic line leak detector" includes, but is not limited to, any device or mechanism which alerts the owner or operator of an underground storage tank to the presence of a leak by restricting or shutting off the flow of hazardous substance through piping, or by triggering an audible or visual alarm, and which detects leaks of three gallons or more per hour at 10 pounds per square inch line pressure within one hour.

(b) "Board" means the State Water Resources Control Board. "Regional board" means a California regional water quality control board.

(c) "Department" means the State Department of Health Services.

(d) "Facility" means any one, or combination of, underground storage tanks used by a single business entity at a single location or site.

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

No. 556396

PERMIT

Permit Issued To
(Insert Employer's Name, Address and Telephone No.)

Tamco
12459 Arrow Hwy
Rancho Cucamonga, CA 91739
909 899-0660

No. _____

Date 10-26-93

Region 3

District 3

Tel. 909 383-4321

Type of Permit Provisional

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number		Permit Valid through		
Description of Project	Location Address	City and County	Anticipated Dates: Starting	Completion
Single Project	12459 Arrow Hwy	Rancho Cucamonga San Bernardino	10-26-93	12-1-93
Provisional upon the condition of obtaining local building permits. Not otherwise required to have a permit.				

This Permit is issued upon the following conditions:

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, in writing, of dates and location of job site prior to commencement.
2. That employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.
3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.
4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.
5. This permit shall be posted at or near each place of employment as provided in 8 CAC 341.4.

Received From	Received By
Tamco	R. Stone

☐ Cash ☒ Check	Amount	Date
	50.00	10-26-93

Investigated by R. Stone Safety Engr. Date 10/26/93

Approved by _____ Dist. Manager Date 10/26/93

EMPLOYER ORIGINAL—GREEN DISTRICT COPY—PINK
ACCOUNTING COPY—CANARY REGION COPY—WHITE
S-890 (Rev. 2-81)

89 86579

PHASE 1 SCOPE OF WORK

The UST(s) are identified as:

NORTHEAST UST
SOUTHEAST UST
NORTHWEST UST
SOUTHWEST UST

Phase 1 describes the removal of the Northeast and Southeast UST(s).

Because of the above special considerations and TAMCO's production schedule, the UST(s) had to be removed in two phases. This did not interfere with production.

REMOVAL AND TIME DATE: 11/04/93 AT 1:00 P.M.

BARRICADES AND "NO SMOKING OR OPEN FLAME WITHIN 50 FEET" SIGNS WERE PLACED AROUND THE EXCAVATION FOR THE ENTIRE LENGTH OF THE PROJECT. FIRE EXTINGUISHERS WERE PLACED IN THE IMMEDIATE AREA DURING THE ENTIRE LENGTH OF THE PROJECT. THE CAL/OSHA EXCAVATION PERMIT WAS POSTED.

ALL UTILITY LINES TO THE FOUR UST(s) WERE DOUBLE-CHECKED TO ASSURE DISCONNECTION.

THE MATERIAL OVER AND AROUND THE TWO UST(s) ON THE NORTHEAST AND SOUTHEAST SECTORS WAS EXCAVATED AND STOCKPILED EXPOSING THE TWO UST(s).

CONTINUOUS AIR MONITORING WAS PERFORMED DURING EXCAVATION AND REMOVAL. THE ALARM WAS SET AT 20 PERCENT OF THE LEVEL OF FUEL OIL. NO ALARM WAS RECEIVED.

INSPECTORS WERE SCHEDULED FROM REQUIRED AGENCIES.

SBDEHS - Lisa Holst (909) 387-3082
RCFPD - Kevin Walton (909) 987-6405

THE UST(s) WERE PURGED USING 750+ POUNDS OF DRY ICE IN EACH UST.

THE UST(s) WERE MONITORED BY CWI AND RCFPD PERSONNEL AND WERE CLEARED TO BE PULLED.

THE TWO UST(s) WERE REMOVED WITHOUT INCIDENT AND TRANSPORTED AS HAZARDOUS WASTE TO THE ERICKSON INC. FACILITY IN FONTANA.

SEVEN SOIL SAMPLES WERE TAKEN BY CWI UNDER THE DIRECTION OF SBDEHS:

#1 West vector of Southeast UST
#2 East vector of Southeast UST
#3 East vector of Northeast UST
#4 West vector of Northeast UST
#5 Composite of stockpile at east end of Phase 1 excavation
#6 Composite of stockpile at south end of Phase 1 excavation
#7 Composite of stockpiles at north and west end of Phase 1 excavation.

SOIL SAMPLES WERE TRANSPORTED BY CWI TO ENVIRO-CHEM LAB IN POMONA, CALIFORNIA AND ANALYZED UTILIZING EPA TEST METHOD 8015 (MODIFIED) FOR PETROLEUM HYDROCARBONS:

#1 1,533 PPM
#2 ND
#3 ND
#4 12,360 PPM
#5 ND
#6 77 PPM
#7 ND

PPM = PARTS PER MILLION
*** ND = NONE DETECTED**

SOILS IN THE WEST VECTOR OF THE SOUTHEAST UST; THE WEST VECTOR OF NORTHEAST UST; AND THE NORTH WALL OF THE SOUTHEAST UST HAD FUEL OIL CONTAMINATION BUT NO SIGNIFICANT AMOUNT OF HEAVY METALS. THE SOIL WAS EXCAVATED, LOADED AND SHIPPED AS NON-HAZARDOUS WASTE TO THE GIBSON OIL & REFINING FACILITY IN BAKERSFIELD TO BE PROCESSED INTO ASPHALT MATERIAL.

THE TWO AREAS WERE RE-SAMPLED DURING PHASE 2 OF THE UST REMOVAL PROJECT.

PHASE 2 SCOPE OF WORK

The UST(s) are identified as:

NORTHEAST UST
SOUTHEAST UST
NORTHWEST UST
SOUTHWEST UST

Phase 2 describes the removal of the Northwest and Southwest UST(s).

On November 8, permission was requested of SBDEHS to backfill 50 percent of area on the east side where the two eastern UST(s) were removed. Conditional permission was granted by SBDEHS provided that:

1) **Undisturbed soil area backfilled did not exceed 1000 ppm Petroleum Hydrocarbons**

2) **Soil used to backfill did not exceed 100 ppm Petroleum Hydrocarbons**

This area needed to be backfilled in order to have access to excavate the Northwest and Southwest UST(s), and to re-sample the Phase 1 areas that had fuel oil contamination.

The Phase 2 segment of the UST removal was a challenge because an eight-inch wastewater discharge line and an electrical conduit from the INDUSTRIAL WIRE PRODUCTS (IWP) Plant ran across the UST(s). The discharge line from IWP was shut down and the electrical disconnected. The discharge line and conduit were removed in order to remove the UST(s).

UST(s) REMOVAL AND TIME DATE: 11/18/93 AT 1:00 P.M.

BARRICADES AND "NO SMOKING OR OPEN FLAME WITHIN 50 FEET" SIGNS WERE PLACED AROUND THE EXCAVATION FOR THE ENTIRE LENGTH OF THE PROJECT. FIRE EXTINGUISHERS WERE PLACED IN THE IMMEDIATE AREA DURING THE ENTIRE LENGTH OF THE PROJECT. THE CAL/OSHA EXCAVATION PERMIT WAS POSTED.

ALL UTILITY LINES TO THE UST(s) WERE DOUBLE-CHECKED TO ASSURE DISCONNECTION.

THE MATERIAL OVER AND AROUND THE TWO UST(s) ON THE NORTHWEST AND SOUTHWEST SECTORS WAS EXCAVATED AND STOCKPILED EXPOSING THE TWO UST(s).

CONTINUOUS AIR MONITORING WAS PERFORMED DURING EXCAVATION AND REMOVAL. THE ALARM WAS SET AT 20 PERCENT OF THE LEVEL OF FUEL OIL. NO ALARM WAS RECEIVED.

INSPECTORS WERE SCHEDULED FROM REQUIRED AGENCIES,

SBDEHS - Lisa Holst (909) 387-3082
RCFPD - Kevin Walton (909) 987-6405

THE UST(s) WERE PURGED USING 750+ POUNDS OF DRY ICE IN EACH UST.

THE UST(s) WERE MONITORED BY CWI AND RCFPD PERSONNEL AND WERE CLEARED TO BE PULLED.

THE TWO UST(s) WERE REMOVED WITHOUT INCIDENT AND TRANSPORTED AS HAZARDOUS WASTE TO THE ERICKSON INC. FACILITY IN FONTANA.

EIGHT SOIL SAMPLES WERE TAKEN BY CWI UNDER THE DIRECTION OF SBDEHS:

TK1 #1	**West vector of Southwest UST**
TK1 #2	**East vector of Southwest UST**
TK2 #1	**West vector of Northwest UST**
TK2 #2	**East vector of Northwest UST**
SP-1	**Phase 2 excavation stockpile**
SP-2	**Phase 2 excavation stockpile**
SP-3	**Phase 2 excavation stockpile**
SP-4	**Phase 2 excavation stockpile**

SOIL SAMPLES WERE TRANSPORTED BY CWI TO ENVIRO-CHEM LAB IN POMONA, CALIFORNIA AND ANALYZED UTILIZING EPA TEST METHOD 8015 (MODIFIED) FOR PETROLEUM HYDROCARBONS:

TK1 #1	**ND**
TK1 #2	**ND**
TK2 #1	**ND**
TK2 #2	**ND**
SP-1	**ND**
SP-2	**ND**
SP-3	**ND**
SP-4	**ND**

PPM = PARTS PER MILLION
*** ND = NONE DETECTED**

BECAUSE NO DETECTABLE PETROLEUM HYDROCARBONS WERE PRESENT, THE AREA WHERE THE NORTHWEST AND SOUTHWEST UST(s) HAD BEEN REMOVED WAS BACKFILLED WITH THE STOCKPILED SOIL WHICH ALSO HAD NO DETECTABLE PETROLEUM HYDROCARBONS.

THE AREA WHERE THE PHASE 1 CONTAMINATION HAD BEEN EXCAVATED WAS RE-SAMPLED AND ANALYZED PER EPA METHOD 8015 (MODIFIED) FOR PETROLEUM HYDROCARBONS ON 11/24/93.

THE EXCAVATED CONTAMINATED SOIL WAS TRANSPORTED AS NON-HAZARDOUS WASTE TO THE GIBSON OIL & REFINING FACILITY IN BAKERSFIELD, CALIFORNIA FOR PROCESSING INTO ASPHALT MATERIAL.

SE1	**ND**
S2	**3500 PPM**
SW3	**ND**
SB4	**2200 PPM**
NW1	**ND**
N2	**ND**
NE3	**50 PPM**
NB4	**ND**

THE PHASE 1 AREA DESCRIBED AS S2 AND SB4 WAS EXCAVATED, RE-SAMPLED AND ANALYZED PER EPA METHOD 8015 (MODIFIED) FOR PETROLEUM HYDROCARBONS ON 12/03/93.

THE EXCAVATED CONTAMINATED SOIL WAS TRANSPORTED AS NON-HAZARDOUS WASTE TO THE GIBSON OIL & REFINING FACILITY IN BAKERSFIELD, CALIFORNIA FOR PROCESSING INTO ASPHALT MATERIAL.

THE RESULTS FROM BOTH SAMPLES REVEAL NO PETROLEUM HYDROCARBONS DETECTED.

THIS WEST END OF THE PHASE 1 PROJECT WAS BACKFILLED AND COMPACTED.

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)624-8471 OR 482-2272

PROJECT: TAMCO

MATRIX: SOLID
DATE SAMPLED: 10/18/93
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 10/18/93
DATE ANALYZED: 10/18-19/93
DATE REPORTED: 10/19/93

SAMPLE I.D.: ONE

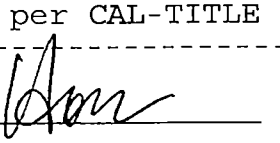
LAB I.D.: 931018-1

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS

UNIT: MG/KG (PPM) , TOTAL CONCENTRATION

ELEMENT ANALYZED	SAMPLE RESULT	DETECTION LIMIT	TTLC LIMIT	STLC LIMIT	METHOD USED
Antimony(Sb)	ND	10	500	15	6010
Arsenic(As)	ND	5.0	500	5.0	6010
Barium(Ba)	110	5.0	10,000	100	6010
Berryllium(Be)	ND	0.5	75	0.75	6010
Cadmium(Cd)	ND	0.5	100	1.0	6010
Chromium(Cr)	60	5.0	2,500	560	6010
Cobalt(Co)	6.3	5.0	8,000	80	6010
Copper(Cu)	88	5.0	2,500	25	6010
Lead(Pb)	7.6	5.0	1,000	5.0	6010
Mercury(Hg)	ND	0.1	20	0.2	7471
Molybdenum(Mo)	ND	5.0	3,500	550	6010
Nickel(Ni)	33	5.0	2,000	20	6010
Selenium(Se)	ND	1.0	100	1.0	6010
Silver(Ag)	ND	1.0	500	5.0	6010
Thallium(Tl)	ND	5.0	700	7.0	6010
Vanadium(V)	94	5.0	2,400	24	6010
Zinc(Zn)	130	5.0	5,000	250	6010

COMMENTS
ND = The concentration is below the detection limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CAL-TITLE 22.

Data Reviewed and Approved by: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)624-8471 OR 482-2272

PROJECT: TAMCO

MATRIX: SOLID
DATE SAMPLED: 10/18/93
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 10/18/93
DATE ANALYZED: 10/18-19/93
DATE REPORTED: 10/19/93

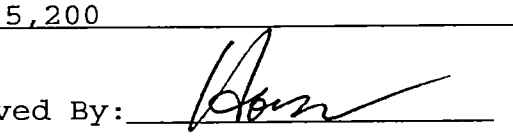
SAMPLE I.D.: ONE

LAB I.D.: 931018-1

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH) ANALYSIS, EPA 418.1

UNIT: MG/KG (PPM)

PARAMETER	TRPH RESULT	DETECTION LIMIT
TRPH	5,200	5.0

Data Reviewed and Approved By: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)624-8471 OR 482-2272

PROJECT: TAMCO

MATRIX: SOIL
DATE SAMPLED: 11/04/93
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 11/04/93
DATE ANALYZED: 11/04/93
DATE REPORTED: 11/05/93

UNIT: MG/KG (PPM)

SAMPLE I.D.	LAB I.D.	RESULT(DIESEL**)
ONE	931104-9	1,533
TWO	931104-10	ND
THREE	931104-11	ND
FOUR	931104-12	12,360
FIVE	931104-13	ND
SIX	931104-14	77
SEVEN	931104-15	ND
	METHOD	8015M
	DETECTION LIMIT	10

COMMENTS
** = CA-DHS LUFT METHOD -- DIESEL BY DIRECT INJECT/GC-FID
(EXTRACTABLE PETROLEUM HYDROCARBONS)

ND = BELOW THE DETECTION LIMIT OR NON-DETECTED

Data Reviewed and Approved by:

CAL-DHS ELAP CERTIFICATE No.: 1555

NVIRO-CHE NC.
ABORATORIES
214 E. Lexington Ave.
omona, CA 91766
909) 590-5905 • Fax: (909) 590-5907

CHAIN of CUSTO RECORD

DATE: _____
PAGE: _____ of _____

Lab Project # _____

CA-DHS ELAP CERTIFICATE # 1555

RUSH
RUSH

REPORT TO: CONSOLIDATED WASTE INDUSTRIES
PROJECT NAME: TAMCO
PROJECT CONTACT: MARK
SAMPLER(S) SIGNATURE:
STREET: 10680 SILICON AVE
CITY: MONTCLAIR STATE: CA ZIP: 91763
TEL: (909) 625 6645 FAX: (909) 482 2273

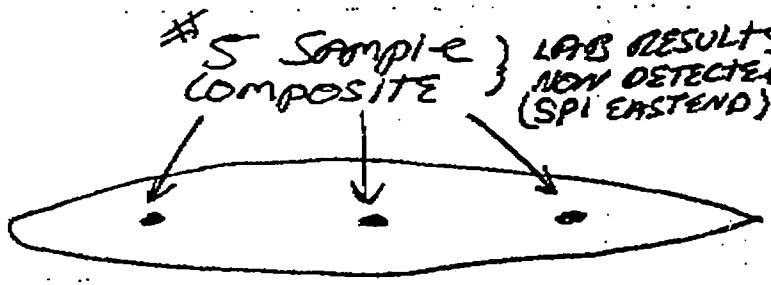
TURNAROUND TIME DESIRED
☐ Same Day ☒ 24 Hour ☐ 48 Hour
☐ Standard(2 Weeks)
☐ Other
Confirmed By:

SHIPPING INFORMATION:
AFTER ANALYSES, SAMPLES ARE TO BE: ☐ DISPOSED OF ☐ STORED (30 days) ☐ RETURNED TO CLIENT ☐ OTHER:

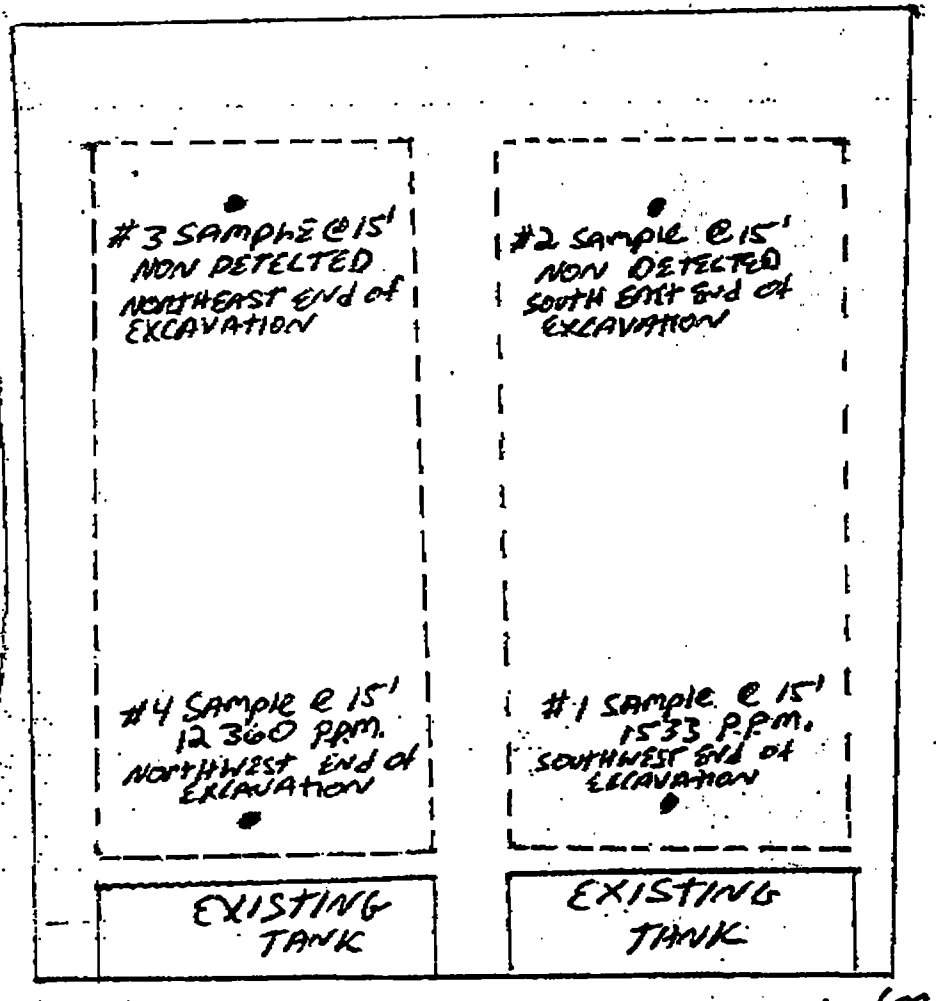
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE: 11/4/93	TIME: 6:00 PM
RELINQUISHED BY (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:

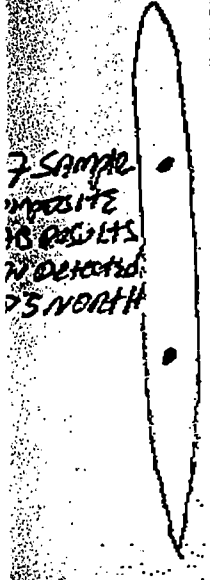
SAMPLE I.D	LAB I.D	SAMPLING DATE/TIME	MATRIX	No. Containers	ANALYSIS REQUESTED	SAMPLE RECEIVED CONDITION	Sample Stored Location
ONE	931104-9	11493 300pm	Soil	1	8015 M (Diesel)	OK	R2
TWO	-10	11493 315pm		1	8015 M		
THREE	-11	11493 345pm		1	8015 M		
FOUR	-12	11493 400pm		1	8015 M		
FIVE	-13	11493 430pm		1	8015 M		
SIX	-14	11493 440pm		1	8015 M		
SEVEN	-15	11493 450pm	↓	1	8015 M	↓	↓

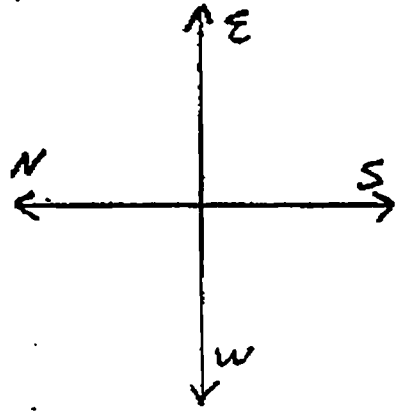
DISTRIBUTION: WHITE WITH REPORT • YELLOW TO COURIER













#7 SAMPLE COMPOSITE LAB RESULTS NON DETECTED SP3 WEST

MAP PREPARED BY MARK A. FREEMAN (MARKO)

NASH SALVAGE, INC. (714) 492-2257 (213) 940-8401 (800) 675-7536 FAX: (213) 941-4157
CONTAINERIZED CHEMICAL DISPOSAL, INC. (714) 625-6648 (800) 233-3748 FAX: (714) 624-8471
CA 91763-4621 (714) 492-2257 (800) 700-2167

PROJECT NAME TAMCO
PROJECT LOCATION 12459 ARLAN HIGHWAY
PAGE 1 OF 1
DATE 11 5 93

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)624-8471 OR 482-2272,2273

PROJECT: TAMCO STEEL

MATRIX: SOLID
DATE SAMPLED: 11/18/93
REPORT TO: MR. RICK BROWN

DATE SAMPLES REC'D: 11/18/93
DATE ANALYZED: 11/18/93
DATE REPORTED: 11/19/93

EPA 8015M FOR TPH as DIESEL ANALYSIS; UNIT: MG/KG (PPM)

SAMPLE I.D.	LAB I.D.	TPH as DIESEL RESULT
TK1 #1	931118-24	ND
TK1 #2	-25	ND
SP-1	-26	ND
SP-2	-27	ND
SP-3	-28	ND
SP-4	-29	ND
TK 2 #1	-30	ND
TK 2 #2	-31	10
DETECTION LIMIT		

COMMENTS

ND = The concentration is below the detection limit or non-detected

Data Reviewed and Approved by: [signature]

CAL-DHS ELAP CERTIFICATE No.: 1555

Alan Leonard Peterson

Leonard Robinson ext.: Rick B 3/A

NASH SALVAGE, INC. (714) 462-2257 (213) 946-8431 (800) 675-7536 FAX: (213) 941-4157
CONTAINERIZED CHEMICAL DISPOSAL, INC. (714) 625-5545 (800) 233-3748 FAX: (714) 624-8471
10680 SILICON AVE., MONTCLAIR, CA 91763-4621 (714) 462-2257 (800) 798-2257

CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: 11-18-93 PAGE 1 OF 1
FILE NO. _____ LAB NO. _____

CLIENT NAME: Tosco Sales
PROJECT NAME: Tank Removals PROJECT NO. P.O. NO.
ADDRESS: 12454 Arrow Hwy Rancho Cucamonga
PROJECT MANAGER: L. Robinson PHONE #: 899-9660 FAX #:
SAMPLER NAME: Rick Brown (Print) Rick Brown (Signature)

TAT (Analytical Turn Around Time) 0 = Same Day 1 = 24 Hour 2 = 48 Hour 3 = Normal

CONTAINER TYPES: B = Brass, G = Glass, P = Plastic, V = Voa Vial, O = Other:

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	8015M GAS ☐ DIESEL ☒	602/8020 BTEX	418.1 Diesel
TK1 #1	11/18	12:10 Pm	Soil 931118-24		X			0	1	B	X		X
TK1 #2	11/18	12:20 Pm	Soil -25		X			0	1	B	X		X
SP-1	11/18	2:30 Pm	Soil -26		X			0	1	B	X		X
SP-2	11/18	2:30 Pm	Soil -27		X			0	1	B	X		X
SP-3	11/18	2:40 Pm	Soil -28		X			0	1	B	X		X
SP-4	11/18	2:40 Pm	Soil -29		X			0	1	B	X		X
TK#1	11/18	1:00 Pm	Soil -30		X			0	1	B	X		X
TK#2	11/18	1:00 Pm	Soil -31		X			0	1	B	X		X

ANALYSES REQUESTED:

REMARKS:

RUSH
RUSH
Park #1 Diesel only
U.D.
OK R
* no diesel for all Samples
11/18/93
10:30 AM

SAMPLE CONDITION/COMMENTS:

Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date	Time
Rick Brown Rick Brown	Lisa Su Lisa Su	11/18/93	3:45 P.M.
Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:
Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored for 30 days unless additional storage time is requested.
3. Storage time requested: _____ days

By

TOTAL P.01

Enviro - Chem, Inc.
E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE. MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)624-8471 OR 482-2272

PROJECT: TAMCO

MATRIX: SOIL
DATE SAMPLED: 11/24/93
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 11/24/93
DATE ANALYZED: 11/26/93
DATE REPORTED: 11/29/93

TOTAL PETROLEUM HYDROCARBONS (TPH) ANALYSIS, EPA 8015M

UNIT: MG/KG (PPM)

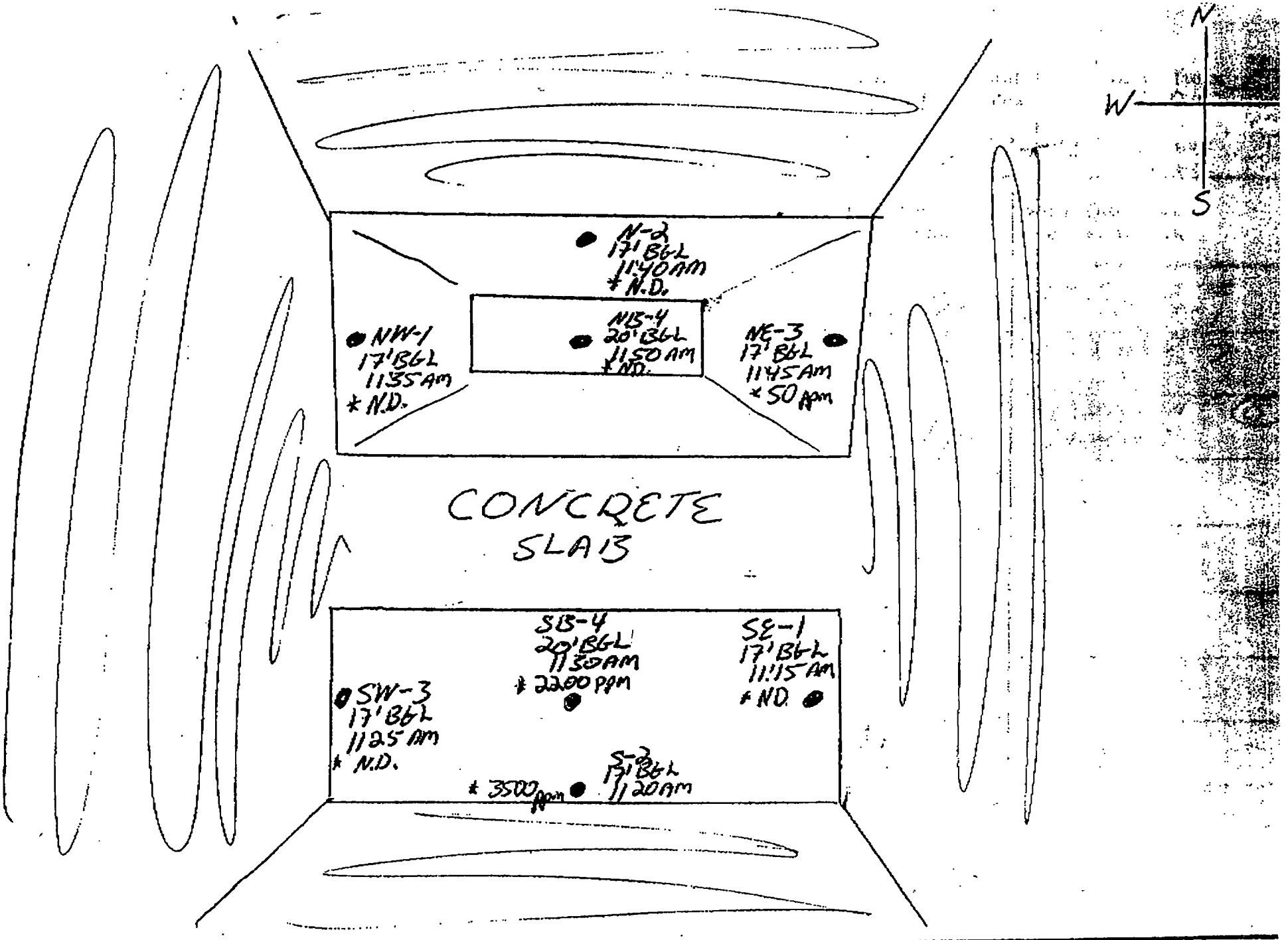
SAMPLE I.D.	LAB I.D.	* TPH RESULT
SE 1	931124-15	ND
S2	-16	3,500
SW3	-17	ND
SB4	-18	2,200
NW1	-19	ND
N2	-20	ND
NE3	-21	50
NB4	-22	ND
	DETECTION LIMIT	10

COMMENTS

*TPH = DIESEL, NO GASOLINE TPH DETECTED
ND = BELOW THE METHOD DETECTION LIMIT OR NON-DETECTED

DATA REVIEWED AND APPROVED BY: [signature]

CAL-DHS ELAP CERTIFICATE No.: 1555



NASH SALVAGE, INC. (714) 482-2257 (213) 945-8431 (800) 675-7636 FAX: (213) 941-4157
CONTAINERIZED CHEMICAL DISPOSAL, INC. (714) 625-6645 (800) 233-3748 FAX: (714) 624-8471
0680 SILICON AVE., MONTCLAIR, CA 91763-4821 (714) 482-2267 (800) 766-2647

PROJECT NAME TAMCO (sampling)
PROJECT LOCATION 12459 Arlee Hwy Fontana
PAGE 1 OF 1 Mario DATE 12/93

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)624-8471 OR 482-2272,2273

PROJECT: TAMCO

MATRIX: SOIL
DATE SAMPLED: 12/03/93
REPORT TO: MR. RICK BROWN

DATE SAMPLES REC'D: 12/03/93
DATE ANALYZED: 12/03/93
DATE REPORTED: 12/03/93

TOTAL PETROLEUM HYDROCARBONS (TPH) ANALYSIS, EPA 8015M

UNIT: MG/KG (PPM)

SAMPLE I.D.	LAB I.D.	* TPH RESULT
#1, BOTTOM CENTER	931203-2	ND
#2 - SOUTH CENTER WALL	-3	ND
	DETECTION LIMIT	10

COMMENTS

*TPH = DIESEL, NO GASOLINE DETECTED
ND = BELOW THE METHOD DETECTION LIMIT OR NON-DETECTED

DATA REVIEWED AND APPROVED BY:

CAL-DHS ELAP CERTIFICATE No.: 1555

MANAGEMENT OF
PETROLEUM HYDROCARBON-CONTAMINATED SOIL (FUEL OIL)

The location of the soil contamination was located around the fill pipe area of the UST. There was no visible or otherwise noticeable contamination underneath any of the UST(s). No indication of impact to groundwater, as groundwater proximity is approximately 100-200 feet.

Twenty-eight truckloads of hydrocarbon-contaminated soil (fuel oil) totaling 633 cubic yards was shipped as non-hazardous waste to the GIBSON OIL & REFINING FACILITY in Bakersfield. The contaminated soil was processed into asphalt material.

DATE RECEIVED	MANIFEST NUMBER	VOLUME YD^3
10/21/93	13534	22
10/21/93	13535	27
10/21/93	13710	28
10/21/93	13712	26
10/21/93	13713	13
10/23/93	13708	27
10/23/93	13711	25
10/23/93	13714	28
10/23/93	13716	28
10/26/93	13533	10
10/26/93	13709	28
10/26/93	13725	23
10/27/93	13687	27
10/28/93	12256	22
10/29/93	13532	10
11/05/93	13846	28
11/05/93	13847	27
11/09/93	13848	28
11/15/93	13164	25
11/15/93	13165	27
11/15/93	13166	26
11/30/93	13864	19
11/30/93	13866	22
12/07/93	13863	18
12/07/93	13867	19
12/07/93	13868	18
12/07/93	13837	13
12/08/93	13862	19

Gibson Environmental

October 26, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
10/21/93	13534	00087448	22	CYD
10/21/93	13535	00087450	27	CYD
10/21/93	13710	00087463	28	CYD
10/21/93	13712	00087454	26	CYD
10/21/93	13713	00087455	13	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 04 1993
TAMCO
ENGINEERING
DEPT.

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: T & O Ltd. EPA I.D. NO.: CAD982316140

ADDRESS: P O Box 325

CITY, STATE, ZIP: Rancho Cucamonga, CA. 91739 PHONE NO.:

CONTAINTERS: NO. VOLUME: 15 yards WEIGHT:

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Diesel Contaminated Soil GENERATING PROCESS:

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM	%
1	Soil		99%	5			
2	Diesel (Hydrocarbons)		1%	6			
3				7			
4				8			

PROPERTIES: ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Dispose at Class III Landfill

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Del Monte Waste Transfer Inc. EPA I.D. NO.: CAD059830013

ADDRESS: 10680 Silicon Avenue SERVICE ORDER NO.: 7176

CITY, STATE, ZIP: Montclair, CA 91763 PICK UP DATE: 10-20-93

PHONE NO.: 800-788-2167

TRUCK UNIT I.D. NO. Ric Bonner Ric Bonner 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Gibson Environmental EPA I.D. NO.: CAD980883177

ADDRESS: End of CommercialDr. DISPOSAL METHOD: ☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP: Bakersfield, CA.

PHONE NO.: ( )

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN. ACCT. NO.	OLD/NEW	L A S B	TONS
DUNS			

(22 & Eol 2)

NON-HAZARDOUS WASTE DATA FORM

13535

TO BE COMPLETED BY GENERATOR

NAME Tamco Ind.

EPA I.D. NO. CAD982361404

ADDRESS P O Box 325

CITY, STATE, ZIP Rancho Cucamonga, CA. 91739 PHONE NO.

CONTAINTERS: NO. 1 VOLUME 15 yards WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Use appropriate Safety Equipment Approval # 16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Mike Perchan 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE MIKE PERCHAN DATE

TRANSPORTER

NAME Consolidated Waste Industries, Inc. EPA I.D. NO. CAD982366583

ADDRESS 10680 Silicon Avenue SERVICE ORDER NO. 1173

CITY, STATE, ZIP Montclair, CA 91763 PICK UP DATE 10-20-93

PHONE NO. 800-788-2167

TRUCK, UNIT. I.D. NO. 22-ED-3 Rick Brown, Rick Brown 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Environmental EPA I.D. NO. CAD980831771

DISPOSAL METHOD

ADDRESS End of Commercial Dr. ☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP Bakersfield, CA.

PHONE NO. ( )

Lana Williams 10/21/93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/Q		RT / CD	HWDF NONE

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM 13710

TO BE COMPLETED BY GENERATOR

NAME TAMCO INDUSTRIES

EPA I.D. NO. CAD 982361404

ADDRESS P.O. BOX 325

CITY, STATE, ZIP RANCHO CUCAMONGA, CA 91739

PHONE NO. (909) 899-0660

CONTAINTERS: NO. _____ VOLUME YARD WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Diesel Contaminated Soil

GENERATING PROCESS _____

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99%	5.		
2. DIESEL HYDROCARBONS		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT. PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE PERCHAN Mike Perchan 102193

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME ~~CONSOLIDATED WASTE INDUSTRIES~~ JCAL

EPA I.D. NO. ~~CAD980849883~~ CAD980849883

ADDRESS ~~10680 Silicon Avenue~~ 574 E. CARNING

SERVICE ORDER NO. 1197

CITY, STATE, ZIP ~~Montclair, CA 91763~~ Compton CA 90062

PICK UP DATE 10-21-93

PHONE NO. ~~800-788-2167~~ (310) 920 7709

TRUCK, UNIT. I.D. NO. 80 1

Carlos Carrillo Carlos Carrillo 102193

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GIBSON OIL REFINING

EPA I.D. NO. CAD980831777

ADDRESS END OF COMMERCIAL DRIVE

DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP BAKERSFIELD, CA 93308

PHONE NO. (805) 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE DATE 10/21/93

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/O		RT / CD	HWDF NONE

DISCREPANCY

LOAD #3

NON-HAZARDOUS WASTE DATA FORM

13712

SITE LOCATION: TAMCO 12459 ARROW HIGHWAY ETIWANDA, CA.

TO BE COMPLETED BY GENERATOR

NAME TAMCO IND.

EPA I.D. NO. CAD982361404

ADDRESS P. O. BOX 325

CITY, STATE, ZIP RANCHO CUCAMONGA, CA 91739

PHONE NO. (909) 899 0460

CONTAINTERS: NO. _____ VOLUME YARD WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION DIESEL CONTAMINATED SOIL GENERATING PROCESS _____

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99%	5.		
2. DIESEL (HYDROCARBONS)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE PERCHAN Mike Perchan 10 21 93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME FALCON DISPOSAL INC. ~~CONSOLIDATED WASTE INDUSTIRES~~ 22.25

EPA I.D. NO. CAD983668583

ADDRESS ~~10680 Silicon Avenue~~ 2531 E 67 AVENUE

SERVICE ORDER NO. 1197

CITY, STATE, ZIP ~~Montclair, CA 01763~~ PARAMOUNT CA. 90805

PICK UP DATE 10 21 93

PHONE NO. ~~800-788-2167~~ (800) 252-5111 (213) 590 8531

TRUCK, UNIT. I.D. NO. 14 252

Salvador Soto / 10 21 93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME ~~XXXXXX~~ GIBSON OIL REFINING

EPA I.D. NO. CAD980883177

DISPOSAL METHOD

ADDRESS END OF COMMERCIAL DRIVE ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP BAKERSFIELD, CA 93308

PHONE NO. 805 327-0413

JAMES ANDREWS James Andrews 10-21-93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/Q		RT / CD	HWDF NONE

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

13713

SITE LOCATION: TAMCO 12459 Arrow Hwy, Fontana, CA

TO BE COMPLETED BY GENERATOR

NAME TAMCO IND.

EPA I.D. NO. CAD 982361404

ADDRESS P.O. BOX 325

PHONE NO. (909) 899 0660

CITY, STATE, ZIP RANCHO CUCAMONGA, CA 91739

CONTAINTERS: NO. _____ VOLUME YARD WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION DIESEL CONTAMINATED SOIL GENERATING PROCESS _____

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99%	5.		
2. DIESEL (HYDROCARBONS)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: PH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

13 Leonard F. Robinson 102193

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME FALCON DISPOSAL SERVICES, INC. ~~CONSOLIDATED WASTE INDUSTRIES~~

EPA I.D. NO. CAD 983668583

ADDRESS ~~10680 Silicon Avenue~~ 2531 E 67th St SERVICE ORDER NO. 0001197

CITY, STATE, ZIP ~~Montclair, CA 91763~~ LONG BEACH CA 90805 PICK UP DATE 102193

PHONE NO. ~~800-788-2167~~ (800) 593 4385

TRUCK, UNIT. I.D. NO. 8, 254 ANGEL SANDOVAL 102193

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GIBSON OIL REFINING

EPA I.D. NO. CAD 980883177

ADDRESS ENDO OF COMMERCIAL DRIVE DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP BAKERSFIELD, CA 93308

PHONE NO. 805 327-0413

James Andrews 10-21-91

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/O		RT / CD	HWDF. NONE

DISCREPANCY

Gibson Environmental

October 27, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
10/23/93	13708	00087537	27	CYD
10/22/93	13711	00087525	25	CYD
10/23/93	13714	00087542	28	CYD
10/23/93	13716	00087538	28	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 04 1993
TAMCO
ENGINEERING
DEPT

TO BE COMPLETED BY GENERATOR

NAME

ADDRESS

CITY, STATE, ZIP

CONTAINERS NO.

TYPE

WASTE DESCRIPTION

TOTAL QUANTITY

TRANSPORTER

NAME

ADDRESS 10680 Sitton Avenue

CITY, STATE, ZIP Montclair, CA 91763

PHONE NO. 800 788-2167

TRUCK UNIT ID NO.

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

TO BE COMPLETED BY FACILITY

NAME

ADDRESS

CITY, STATE, ZIP

PHONE NO.

EPA ID NO.

DISPOSAL METHOD

☐ LANDFILL ☐ OTHER

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

Page 2 (Ed 3)

NON-HAZARDOUS WASTE DATA FORM 13711

TO BE COMPLETED BY GENERATOR

NAME TAMCO IND. SITE LOCATION: TAMCO 12459 Arrow Highway Fontana CA.

ADDRESS P.O. BOX 325 EPA I.D. NO. CAD 9 8 1 3 6 1 4 0 4

CITY, STATE, ZIP RANCHO CUCAMONGA, CA 91739 PHONE NO. (909) 899 0660

CONTAINTERS: NO. _____ VOLUME 21 YARD WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION DIESEL CONTAMINATED SOIL GENERATING PROCESS _____

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99%	5.		
2. DIESEL (HYDROCARBONS)		1%	6.		
3.			7. 1211		
4.			8.		

PROPERTIES: pH 6 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE PERCHAN Mike Perch 8193
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME CONSOLIDATED WASTE INDUSTRIES EPA I.D. NO. CAD 9 8 3 6 6 8 5 8 3

ADDRESS 10680 Silicon Avenue SERVICE ORDER NO 0001197

CITY, STATE, ZIP Montclair, CA 91763 PICK UP DATE 10 21 93

PHONE NO. 800-788-2167

TRUCK, UNIT. I.D. NO. 03 ED3 Marvin Rowland MARVIN ROWLAND 10 21 93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GIBSON OIL REFINING EPA I.D. NO. CAD 9 8 0 8 8 3 1 7 7

ADDRESS END OF COMMERCIAL DRIVE DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP BAKERSFIELD, CA 93308

PHONE NO. 805 327-0413 Lonnie Vickers 10/22/93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/Q		RT / CD	HWDF NONE

DISCREPANCY

3. GENERATOR

CONTAINERS

4. TRANSPORTER

10680 Silicon Avenue

Montclair, CA 91763

800 783-2167

5. DESIGNATED FACILITY

10680 Silicon Avenue

Montclair, CA 91763

800 783-2167

TO BE COMPLETED BY GENERATOR

TRANSPORTER

10680 Silicon Avenue

Montclair, CA 91763

800-788-2167

TO BE COMPLETED BY TRANSPORTER

Gibson Environmental

October 27, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
10/26/93	13533	00087685	10	CYD
10/26/93	13709	00087652	28	CYD
10/26/93	13715	00087654	46,480	LBS

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 0 4 1993
TAMCO
ENGINEERING
DEPT

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME [illegible]

ADDRESS P.O. Box [illegible]

CITY, STATE, ZIP Rancho Cucamonga, CA. 91739

PHONE NO. [illegible]

CONTAINTERS: NO [illegible] VOLUME 10 yards WEIGHT [illegible]

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☒ DRUMS ☒ TANK TRUCK ☐ CARTONS ☒ OTHER Cubes

WASTE DESCRIPTION [illegible] GENERATING PROCESS [illegible]

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
Soil					
[illegible]					

PHYSICAL STATE: [illegible] ☐ Sludge ☐ Liquid ☐ Solids ☐ Slurry ☐ Other [illegible]

SPECIAL HANDLING INSTRUCTIONS [illegible]

THE GENERATOR CERTIFIES THAT THE WASTE IS NOT A HAZARDOUS WASTE

[illegible] TYPED OR PRINTED FULL NAME & SIGNATURE DATE [illegible]

TRANSPORTER

NAME [illegible] EPA I.D. NO. [illegible]

ADDRESS 10030 Silicon Avenue SERVICE ORDER NO. [illegible]

CITY, STATE, ZIP Montclair, CA 91763 PICK UP DATE 10-30-95

PHONE NO. 800-788-2167

TRUCK, UNIT I.D. NO. 761 / 801 Rick Davis TYPED OR PRINTED FULL NAME & SIGNATURE 10-30-95 DATE

TSD FACILITY

NAME Gibson Environmental EPA I.D. NO. CAD982088317

ADDRESS End of Commercial Dr. DISPOSAL METHOD ☒ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP Bakersfield, CA.

PHONE NO. ( )

Cameron Hargrave Jr. 10-26-95 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	[illegible]	TONS
TRANS		S B	
		[illegible]	TYPE NONE

LOT #1

NON-HAZARDOUS WASTE DATA FORM 13709

TO BE COMPLETED BY GENERATOR

SITE LOCATION: TAMCO 12459 ARROW HIGHWAY ETIWANDA CA.

NAME Tamco Ind. EPA I.D. NO. CAD 981388414

ADDRESS P. O. Box 325

CITY, STATE, ZIP Rancho Cucamonga, CA 91739 PHONE NO (909) 899 0660

CONTAINTERS: NO. 1 VOLUME 15 yards WEIGHT 78,840

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Mike Peechan [signature] 102593
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME CONSOLIDATED WASTE INDUSTIRES EPA I.D. NO. CAD981366611

ADDRESS 10680 Silicon Avenue SERVICE ORDER NO. 1225

CITY, STATE, ZIP Montclair, CA 91763 PICK UP DATE 102593

PHONE NO. 800-788-2167

TRUCK, UNIT. I.D. NO. 05 902 MARK A. FREEMAN [signature] 102593
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

SD FACILITY

NAME GIBSON OIL REFINING EPA I.D. NO. CAD980818177

ADDRESS END OF COMMERCIAL DRIVE DISPOSAL METHOD ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP BAKERSFIELD, CA 93308 profile #16519

PHONE NO. 805 327-0413

[signature] 10/26/93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/O		RT / CD	HWOF NONE

DISCREPANCY

NON-HAZARDOUS WASTE MANIFEST

1. GENERATOR'S US EPA ID NO.

NAME

ADDRESS

CITY, STATE, ZIP

PHONE NO.

CONTAINERS NO. | TYPE | TOTAL QUANTITY | UNIT WT./VOL.

WASTE DESCRIPTION

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY CERTIFY THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELLED/PLACARDED, AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME | SIGNATURE | MONTH | DAY | YEAR

2. TRANSPORTER 1 US EPA ID NO.

NAME

ADDRESS

CITY, STATE, ZIP

PHONE NO.

TRUCK UNIT ID NO.

TRANSPORTER'S ACKNOWLEDGMENT OF RECEIPT OF MATERIALS

TYPED OR PRINTED FULL NAME & SIGNATURE | DATE

3. TRANSPORTER 2 US EPA ID NO.

NAME

ADDRESS

CITY, STATE, ZIP

PHONE NO.

TRUCK UNIT ID NO.

TRANSPORTER'S ACKNOWLEDGMENT OF RECEIPT OF MATERIALS

TYPED OR PRINTED FULL NAME & SIGNATURE | DATE

4. DESIGNATED FACILITY

NAME: GIBSON OIL REFINERY

EPA ID NO. CAD 0 1 0 0 1 7 2 7

ADDRESS: END OF COMMERCIAL DRIVE

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: BAKERSFIELD, CA 93308

PHONE NO.: (805) 327-0411

TYPED OR PRINTED FULL NAME & SIGNATURE | DATE

ITEM	ITEM NO.	T	A	ROUTE

Gibson Environmental

October 31, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
10/28/93	12256	00087892	22	CYD
10/27/93	13687	00087740	27	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 04 1993
TAMCO
ENGINEERING
DEPT

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Tenneco Oils

ADDRESS PO Box 325

CITY, STATE, ZIP Rancho Dominguez, Ca 90213

CONTAINERS 1

TYPE ☐ STEEL ☒ TRUCK

WASTE DESCRIPTION

COMPONENTS OF WASTE

HANDLING INSTRUCTIONS

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED ABOVE IS NON-HAZARDOUS

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

TRANSPORTER

NAME

ADDRESS

CITY, STATE, ZIP

PHONE NO.

TRUCK, UNIT, I.D. NO.

EPA I.D. NO.

SERVICE ORDER NO. 1473

PICK UP DATE 10-

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

TSD FACILITY

NAME

ADDRESS

CITY, STATE, ZIP 93308

PHONE NO. (805) 323-2178

EPA I.D. NO.

DISPOSAL METHOD

☐ LANDFILL ☒ OTHER

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

13687

TO BE COMPLETED BY GENERATOR

NAME TAMCO — SITE LOCATION: TAMCO 12459 Arrow Highway Rancho Cucamonga, CA 91739

ADDRESS P.O. BOX 325 — EPA I.D. NO. CAD982361404

CITY, STATE, ZIP RANCHO CUCAMONGA, CA. 91733 — PHONE NO. (909) 899 0660

CONTAINTERS: NO. 1 — VOLUME 15 y — WEIGHT 78200

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☒ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesel Contaminated Soil — GENERATING PROCESS

COMPONENTS OF WASTE		PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil	≥	99	%	5.		
2. Diesel (Hydrocarbons)	≤	1	%	6.		
3.				7.		
4.				8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Non Hazardous Soil / Treatment

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard E. Robinson — 10/27/93
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME Consolidated Waste Systems — EPA I.D. NO. CAD983668583

ADDRESS 10680 Silicon Avenue — SERVICE ORDER NO. 102593-MF1

CITY, STATE, ZIP Montclair, CA 91763 — PICK UP DATE 102593

PHONE NO. 800-788-2167

TRUCK, UNIT. I.D. NO. 201 ED3 — MARK A. FREEMAN — 102593
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME GIBSON OIL REFINING — EPA I.D. NO. CAD980831177

ADDRESS END of COMMERCIAL DRIVE — DISPOSAL METHOD ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP BAKERSFIELD, CA 93308 — profile #16519

PHONE NO. 805 327 0413

TYPED OR PRINTED FULL NAME & SIGNATURE — 10/27/93 DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/O		RT CO	HWDF NONE

DISCREPANCY

Gibson Environmental

October 31, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
10/29/93	13532	00087907	10	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

NOV 1 8 1993

AMSC
ENGINEERING
DEPT

NON-HAZARDOUS WASTE DATA FORM

4/50

TO BE COMPLETED BY GENERATOR

NAME Tanco Ind. EPA I.D. NO. C A D 9 8 2 3 6 1 4 0 4

ADDRESS P O Box 325

CITY, STATE, ZIP Rancho Cucamonga, CA. 91739 PHONE NO.

CONTAINTERS: NO. VOLUME 16 yards WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☒ OTHER Tons

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydorcarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Use appropriate Safety Equipment / Approval # 11619

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON HAZARDOUS

Mike Perchan 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE MIKE PERCHAN DATE

TRANSPORTER

NAME Consolidated Waste Industries, Inc. EPA I.D. NO. C A D 9 8 3 6 6 8 5 5 3 3

6/2080

ADDRESS 10680 Silicon Avenue SERVICE ORDER NO. 1175

4/50

CITY, STATE, ZIP Montclair, GA 91763 PICK UP DATE 10-20-93

PHONE NO. 800-788-2167

TRUCK UNIT. I.D. NO. R61

Rick Brown Rick Brown 10-20-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Environmental EPA I.D. NO. C A D 9 8 0 8 8 3 1 7 7

ADDRESS End of Commercial Dr. DISPOSAL METHOD ☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP Bakersfield, CA. 93308

PHONE NO. 805 , 323-2178

Rick Wilson 10/29/93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/Q		RT / CD	HWDF NONE	DISCREPANCY

Gibson Environmental

November 10, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
11/05/93	13846	00088343	28	CYD
11/05/93	13847	00088342	27	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 17 1993
TAMCO
ENGINEERING
DEPT

ED-3D

NON-HAZARDOUS WASTE DATA FORM

13846

TO BE COMPLETED BY GENERATOR

SITE LOCATION: TAMCO 12459 Arrow Highway Rancho Cucamonga CA

NAME Tamco

ADDRESS P. O. Box 325

EPA I.D. NO. CAD982361404

CITY, STATE, ZIP Rancho Cucamonga, CA 91739

PHONE NO. (909) 899-0660

CONTAINTERS: NO. _____ VOLUME 15 yards WEIGHT 79,300

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS _____

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ~7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: Use appropriate safety equipment. Profile #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE PERCHAN Mike Perchan 11-4-93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Consolidated Waste Industries

EPA I.D. NO. CAD983668583

ADDRESS 10680 Silicon Avenue

SERVICE ORDER NO. WO# 1411

CITY, STATE, ZIP Montclair, CA 91763

PICK UP DATE 11-4-93

PHONE NO. 800-788-2167

TRUCK, UNIT. I.D. NO. 04-ED-3

FRED OSBURN F. Osburn 11-4-93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Oil Refining

EPA I.D. NO. CAD980883177

DISPOSAL METHOD

ADDRESS End of Commercial Drive

☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP Bakersfield, CA 93308

PHONE NO. (805) 327-0413

Rick Wilson 11-5-93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/Q		RT / CD	HWDF NONE	

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM 13847

TO BE COMPLETED BY GENERATOR

SITE LOCATION TAMCO 12454 Arrow Highway Etiwanda, CA

NAME TAMCO

ADDRESS P. O. Box 325 EPA I.D. NO. CAD982361404

CITY, STATE, ZIP Rancho Cucamonga, CA 91739 PHONE NO. 909-899-0660

CONTAINTERS: NO. 1 VOLUME 15 yards WEIGHT 78760

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY EQUIPMENT PROFILE #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

MIKE PERCHAN Mike Perchan 11493
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Consolidated Waste Industries EPA I.D. NO. CAD982366583

ADDRESS 10680 Silicon Avenue SERVICE ORDER NO. WO# 14118

CITY, STATE, ZIP Montclair, CA 91763 PICK UP DATE 11493

PHONE NO. 800-788-2167

TRUCK, UNIT. I.D. NO. 01 EDI MARK D. FREEMAN 11493
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Oil Refining EPA I.D. NO. CAD980883177

ADDRESS End of Commercial Drive DISPOSAL METHOD

CITY, STATE, ZIP Bakersfield, CA 93308 ☐ LANDFILL ☒ OTHER RECYCLE

PHONE NO. 805 327-0413 PROFILE # 16519

Rick Wilson 11-5-93
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/Q		RT / CD	HWDF NONE

DISCREPANCY

Gibson Environmental

November 12, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
11/09/93	13848	00088626	28	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 23 1993
TAMCO
ENGINEERING
DEPT

NON-HAZARDOUS WASTE DATA FORM 13848

SITE LOCATION: TAMCO 12450 ARROW HIGHWAY ETIWANDA CA

TO BE COMPLETED BY GENERATOR

NAME TAMCO

EPA I.D. NO. C A D 9 8 2 3 6 1 4 0 4

ADDRESS P. O. BOX 325

CITY, STATE, ZIP Rancho Cucamonga, CA

PHONE NO. 909-899-0660

CONTAINTERS: NO. 1 VOLUME 15 yards WEIGHT 78980

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Wear appropriate safety equipment. Profile #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Lamar E Robinson 11493

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Consolidated Waste INdustries

EPA I.D. NO. C A D 9 8 3 6 6 8 5 8 3

ADDRESS 10680 Silicon Avenue

SERVICE ORDER NO. WO# 1411A

CITY, STATE, ZIP Montclair, CA 91763

PICK UP DATE 11-4-93

PHONE NO. 800-788-2167

TRUCK, UNIT. I.D. NO. 21-Ed2

Lee Barfield 11-4-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Oil Refining

EPA I.D. NO. C A D 9 8 0 8 8 3 1 7 7

DISPOSAL METHOD

ADDRESS End of Commercial Drive

☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP Bakersfield, CA 93308

profile # 1659

PHONE NO. (805) 327-0413

James Anderson 11-9-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/Q		RT / CD	HWDF NONE	DISCREPANCY

Gibson Environmental

November 16, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
11/15/93	13164	00088835	25	CYD
11/15/93	13165	00088834	27	CYD
11/15/93	13166	00088838	26	CYD

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

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This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
NOV 23 1993
TAMCO
ENGINEERING
DEPT

NON-HAZARDOUS WASTE DATA FORM

13164

TO BE COMPLETED BY GENERATOR

NAME TAMCO STEEL INC.

EPA I.D. NO. CAD 982361404

ADDRESS PO BOX 325

CITY, STATE, ZIP RANCHO CUCAMONGA, CA. 91739

PHONE NO. 909 899-0660

CONTAINTERS: NO. 1 VOLUME 15 YDS WEIGHT 24,700.

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION diesel contaminated soil GENERATING PROCESS site clean up

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. soil		99	5.		
2. diesel		1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS USE APPROPIATE SAFETY EQUIPMENT

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard E. Robinson 11-15-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME United Pumping Co. EPA I.D. NO. CADOO729537N

ADDRESS 16014 E Valley Blvd SERVICE ORDER NO. 11115 93-1

CITY, STATE, ZIP City of Industry PICK UP DATE 11-15-93

PHONE NO. 818-961-9326

TRUCK, UNIT. I.D. NO. 23-D-5 HMIW Certificates Mike Centeno 11-15-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GIBSON ENVIRONMENTAL EPA I.D. NO. CAD 980883117

ADDRESS END OF COMMERCIAL DRIVE DISPOSAL METHOD

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP BAKERSFIELD, CA 93308

PHONE NO. (805) 327-0413

Leonard E. Robinson

TYPED OR PRINTED FULL NAME & SIGNATURE DATE 11/15/93

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/Q		RT / CD	HWDF NONE

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

13165

TO BE COMPLETED BY GENERATOR

NAME TAMCO STEEL INC.

EPA I.D. NO. CA D982361404

ADDRESS PO BOX 325

CITY, STATE, ZIP RANCHO CUCAMONGA, CA 91739

PHONE NO. 909 899 0660

CONTAINTERS: NO. 1 VOLUME 15 YDS WEIGHT 78520

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION DIESEL CONT. SOIL GENERATING PROCESS TANK REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99	5.		
2. DIESEL		1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: USE APPROPIATE SAFETY EQUIPMENT

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard E. Robinson 11-15-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME United Pumping Co

EPA I.D. NO. CAD067295377 1

ADDRESS [illegible] 16014 E Valley Blvd

SERVICE ORDER NO. 111593-1

CITY, STATE, ZIP [illegible] City of Industry

PICK UP DATE 11-15-93

PHONE NO. [illegible] 818-961-9326

TRUCK, UNIT. I.D. NO 25-D-4

Salvador Aguilera 11-15-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GIBSON ENVIRONMENTAL

EPA I.D. NO. CAD 980883177

DISPOSAL METHOD

ADDRESS [illegible] END OF COMMERCIAL DR.

☐ LANDFILL ☒ OTHER RECYCLE

CITY, STATE, ZIP BAKERSFIELD, CA. 93308

PHONE NO. (805) 327 0413

Lloyd Wickens 11/15/93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM 13166

TO BE COMPLETED BY GENERATOR

NAME TAMCO STEEL IND.

EPA I.D. NO. CAD 981 236 140 4

ADDRESS PO BOX 325

CITY, STATE, ZIP RANCHO CUCAMONGA, CA. 91739 PHONE NO. 909-385-0660

CONTAINTERS: NO. 1 VOLUME 15 Yds WEIGHT 77,500

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Diesle Cont. Soil GENERATING PROCESS tank removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. soil		99	5.		
2. diesel		1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: USE APPROPIATE SAFETY EQUIPMENT

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Leonard E Robinson — TYPED OR PRINTED FULL NAME & SIGNATURE — 11-15-93 DATE

TRANSPORTER

NAME United Pumping Co. EPA I.D. NO. CAD 017 295 377 1

ADDRESS ~~10680 Silicon Avenue~~ 16014 E Valley Blvd SERVICE ORDER NO. 11-15-93-1

CITY, STATE, ZIP ~~Montclair, CA 91763~~ City of Industry PICK UP DATE 11-15-93

PHONE NO. ~~800-788-2167~~ 818-961-9326 J. TONY FIGUEROA

TRUCK, UNIT. I.D. NO. 16-D-3 Tony Figueroa — TYPED OR PRINTED FULL NAME & SIGNATURE — 11-15-93 DATE

TSD FACILITY

NAME GIBSON ENVIRONMENTAL EPA I.D. NO. CAD 980 883 117

DISPOSAL METHOD

ADDRESS END OF COMMERCIAL DR. ☒ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP BAKERSFIELD CA 93308 Appl # 16519

PHONE NO. (909) 327-0413 Lonnie Wickins 11/15/93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L A	TONS	
TRANS		S B		
C/O		RT / CD	HWDF NONE	

DISCREPANCY

Gibson Environmental

November 30, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
11/30/93	13864	00089509	19	CYD
11/30/93	13866	00089510	22	TON

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
DEC 0 8 1993
TAMCO
ENGINEERING
DEPT

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TAMCO

ADDRESS: P. O. Box 325

EPA I.D. NO.: C A D 9 8 [illegible]

CITY, STATE, ZIP: Rancho Cucamonga, CA

PHONE NO.: 909- 899-0650

CONTAINTERS: NO. 4 VOLUME: 15 yards WEIGHT: 77.86

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Diesel Contaminated Soil GENERATING PROCESS: Tank Pull

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM
1	Soil		99%	5		
2	Diesel (Hydrocarbons)		1%	6		
3				7		
4				8		

PROPERTIES: ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SOLVENT ☐ OTHER

HANDLING INSTRUCTIONS: Non Hazardous Waste

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

TYPED OR PRINTED FULL NAME & SIGNATURE: [illegible] DATE

TRANSPORTER

NAME: Gibson Oil Refining EPA I.D. NO.: [illegible]

ADDRESS: 10680 Silicon Avenue SERVICE ORDER NO.: 50 A 0

CITY, STATE, ZIP: Montclair, CA 91763 PICK UP DATE: 11-28-95

PHONE NO.: 800-788-2167

TRUCK, UNIT I.D. NO.: 21-ED-4 Rick Benson Rick Benson 11-28-95

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Gibson Oil Refining EPA I.D. NO.: C A D 9 8 0 8 8 3 1 7 7

DISPOSAL METHOD

ADDRESS: End of Commercial Drive ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Bakersfield, CA 93308 Profile #16599

PHONE NO.: (805) 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN.	OLD / NEW	L	A	TONS
TRANS		S	B	
				CODE NON-H

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TANCO

ADDRESS: P. O. Box 325 — EPA I.D. NO.: C A D 9 3 2 0 3 1 5 0 5

CITY, STATE, ZIP: Rancho Cucamonga, CA — PHONE NO.: 909-899-8660

CONTAINTERS: NO. 1 — VOLUME 15 yards — WEIGHT 79,920 - 1

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Diesel Contaminated Soil — GENERATING PROCESS: Tank Removal

COMPONENTS OF WASTE	% PPM	COMPONENTS OF WASTE	% PPM
1. Soil	99%	5.	
2. Diesel (Hydrocarbons)	1%		
3.			

PROPERTIES: ☐ [illegible] ☐ Solid ☐ Liquid ☐ Sludge ☐ Slurry ☐ Other

HANDLING INSTRUCTIONS: [illegible]

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

[signature] — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Consolidated [illegible] — EPA I.D. NO.: [illegible]

ADDRESS: 10680 Silicon Avenue — SERVICE ORDER NO.: [illegible]

CITY, STATE, ZIP: Montclair, CA 91763 — PICK UP DATE: 11-24-93

PHONE NO.: 800-788-2167

TRUCK, UNIT. I.D. NO.: 04-ED-3 — Rick Beard Rick Burrer — TYPED OR PRINTED FULL NAME & SIGNATURE — 112493 DATE

TSD FACILITY

NAME: Gibson Oil Refining — EPA I.D. NO.: C A D 9 8 0 8 8 3 1 7 7

ADDRESS: End of Commercial Drive — DISPOSAL METHOD: ☐ LANDFILL ☒ OTHER

CITY, STATE, ZIP: Bakersfield, CA 93308 — Profile # 16519

PHONE NO.: 805 327-0413

[signature] — TYPED OR PRINTED FULL NAME & SIGNATURE — 11/24/93 DATE

GEN	OLD / NEW	L	A	TONS
TRANS		S		
TSD				NONE

DISCREPANCY

Gibson Environmental

December 09, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
12/07/93	13863	00089988	18	CYD
12/07/93	13867	00089987	19	CYD
12/07/93	13868	00089993	18	CYD
12/07/93	13873	00089994	13	CYD

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For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
DEC 13 1993
TAMCO ENGINEERING

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: TANCO

ADDRESS: P.O. Box 12[illegible]

EPA I.D. NO.: CAD 982 536 404

CITY, STATE, ZIP: Rancho Cucamonga, CA

PHONE NO.: (909) 899-0660

CONTAINTERS: NO. [illegible] VOLUME: 15yds WEIGHT: 45940

TYPE: ☒ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Diesel Contaminated Soil

GENERATING PROCESS: Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH [illegible] ☐ SOLID ☐ LIQUID ☐ SLUDGE ☒ SLURRY ☒ OTHER

HANDLING INSTRUCTIONS: [illegible]

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS NON-HAZARDOUS.

TYPED OR PRINTED FULL NAME & SIGNATURE: [illegible] DATE: 12-7-93

TRANSPORTER

NAME: Consolidated [illegible]

EPA I.D. NO.: CAD 009 505 823

ADDRESS: 10680 Silicon Avenue

SERVICE ORDER NO.: 01641

CITY, STATE, ZIP: Montclair, CA 91763

PICK UP DATE: 12 7 93

PHONE NO.: 800-788-2167

TRUCK, UNIT. I.D. NO.: 21-E0-5

TYPED OR PRINTED FULL NAME & SIGNATURE: Rick Brown

DATE: 12-7-93

FACILITY

NAME: GIBSON OIL REFINING

EPA I.D. NO.: CAD 980 883 177

DISPOSAL METHOD

ADDRESS: End of Commercial Drive

☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP: Bakersfield, CA 93308

PHONE NO.: 805 n 327-0413

TYPED OR PRINTED FULL NAME & SIGNATURE: Tracy Langevin

DATE: 12-7-93

GEN	OLD / NEW	L / A	TONS
TRANS		S B	
DES			NONE

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE: [illegible] (3100-3119) Arrow Hwy, Rivenda, CA

NAME [illegible] EPA I.D. NO. CAD982362404

ADDRESS P.O. Box 325

CITY, STATE, ZIP Rancho Cucamonga, CA PHONE NO. 909-899-0660

CONTAINTERS NO. 1 VOLUME 15yds WEIGHT 48000

TYPE: [X] TANK TRUCK [X] DUMP TRUCK [ ] DRUMS [ ] TANK TRUCK [ ] CARTONS [X] OTHER

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

Properties: pH 7 [X] SOLID [X] LIQUID [ ] SLUDGE [ ] SLURRY [ ] OTHER

HANDLING INSTRUCTIONS: USE APPROPRIATE SAFETY EQUIPMENT PROFILE # 16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

54000 [illegible] [illegible] [illegible]

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Consolidated Waste Industries EPA I.D. NO. CAD983668511

ADDRESS 10680 Silicon Avenue SERVICE ORDER NO WO 1842

CITY, STATE, ZIP Montclair, CA 91763 PICK UP DATE 12-7-93

PHONE NO 800-788-2167

TRUCK UNIT I.D. NO. 421698 Rick Brown [illegible] 12-7-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Oil Refining EPA I.D. NO. CAD980881377

DISPOSAL METHOD

ADDRESS End of Commercial Drive [ ] LANDFILL [ ] OTHER Recycle

CITY, STATE, ZIP Bakersfield, CA 93308 PROFILE # 16519

PHONE NO (805) 327-0413

James [illegible] 12-7-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
TSD		ETC'D	DATE

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE: TAMCO - 12459 Arrow Hwy., Rancho Cucamonga, CA

NAME: TAMCO — EPA I.D. NO.: C A D 9 8 2 3 6 1 4 0 4

ADDRESS: P. O. Box 325

CITY, STATE, ZIP: Rancho Cucamonga, CA — PHONE NO.: 909-899-0660

CONTAINTERS: NO. 1 — VOLUME 15 Y — WEIGHT 46 900

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Diesel Contaminated Soil — GENERATING PROCESS: Tank Removal

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM	%
1	Soil		99%	5			
2	Diesel (Hydrocarbons)		1%	6			
3				7			
4				8			

PROPERTIES: pH 7 ☐ SOLID ☐ LIQUID ☒ SLUDGE ☒ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Wear appropriate safety equipment — Profile 2463

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS NON-HAZARDOUS

[signature] — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE 12-7-93

TRANSPORTER

NAME: Consolidated Waste Industries — EPA I.D. NO.: C A D 9 8 3 6 8 5 8 3

ADDRESS: 10680 Silicon Avenue — SERVICE ORDER NO.: WO-1643

CITY, STATE, ZIP: Montclair, CA 91763 — PICK UP DATE: 12-7-93

PHONE NO.: 800-788-2167

TRUCK, UNIT. I.D. NO.: 06 80-2 — Rick Brown Rick Brown — 12-7-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: Gibson Oil Refining — 34000 lbs — EPA I.D. NO.: C A D 9 8 0 8 8 3 1 7 7

ADDRESS: End of Commercial Drive — DISPOSAL METHOD: ☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP: Bakersfield, CA 93308 — 1/3/94 — WO # 1643

PHONE NO.: (805) 327-0413 — [signature] — 12-7-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	A	TONS
TRANS		B	
DISP		NONE	

DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

13877

SITE: TAMCO 12459 Arrow Hwy, Etiwanda, CA

TO BE COMPLETED BY GENERATOR

NAME TAMCO

ADDRESS P.O. BOX 325

EPA I.D. NO. C|A|D|9|8|2|3|6|1|4|0|4

CITY, STATE, ZIP Rancho Cucamonga

PHONE NO. 909-899-0660

CONTAINTERS: NO. _____ VOLUME 15 yards WEIGHT 33000

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK TRUCK ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Diesel Contaminated Soil GENERATING PROCESS Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear appropriate safety equipment. Profile #16519

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

For Tamco

Mike Peckham Mike Peckham 12-7-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME J-Cal Trans

EPA I.D. NO. CA0980181848613

ADDRESS ~~10600 Silicon Avenue~~ P.O. Box 912

SERVICE ORDER NO. WO#1727

CITY, STATE, ZIP ~~Montclair, CA 91763~~ Lynwood, Ca.

PICK UP DATE 12-7-93

PHONE NO. ~~800-788-2167~~ 714-821-4274

TRUCK, UNIT. I.D. NO. 30-23

O'Leary O'Leary 12-7-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Gibson Oil Refining

EPA I.D. NO. C|A|D|9|8|0|8|3|1|7|7

DISPOSAL METHOD

ADDRESS End of Commercial Drive

☐ LANDFILL ☒ OTHER Recycle

CITY, STATE, ZIP Bakersfield, CA 93308

Profile #16519

PHONE NO. (805) 327-0413

Rick Wilkins 12-7-93

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD / NEW	L	A	TONS
TRANS		S	B	

Gibson Environmental

December 10, 1993

TAMCO IND.
12459 ARROW HWY
PO BOX 325
RANCHO CUCAMONGA,CA 91739

EPA# CA* (020525)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
12/08/93	13862	00090062	19	CYD

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This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

RECEIVED
DEC 14 1993
TAMCO
ENGINEERING
DEPT

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE: TAMCO — 12459 Arrow Hy., Rancho Cucamonga, CA

NAME: TAMCO

ADDRESS: P. O. Box 325

EPA I.D. NO.: CAD 982365404

CITY, STATE, ZIP: Rancho Cucamonga, CA

PHONE NO.: 909-899-[illegible] 0660

CONTAINTERS: NO. 1 VOLUME 15yds WEIGHT 47.20

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ TANK ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Diesel Contaminated Soil

GENERATING PROCESS: Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99%	5.		
2. Diesel (Hydrocarbons)		1%	6.		
3.			7.		
4.			8.		

PROPERTIES: [illegible] 7 ☒ SOLID ☐ LIQUID ☒ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Wear appropriate safety equipment.

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON HAZARDOUS

For [illegible] Mike Kennedy Taylor — 12-7-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

340010

TRANSPORTER

NAME: Consolidated Waste Industries

EPA I.D. NO.: CAD 983668583

ADDRESS: 10680 Silicon Avenue

SERVICE ORDER NO.: WO #1640

CITY, STATE, ZIP: Montclair, CA 91763

PICK UP DATE: 12-7-93

PHONE NO.: 800-788-2167

TRUCK UNIT. I.D. NO.: 20 SD-31

Rick Brown — 12-7-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TO FACILITY

NAME: Gibson Oil Refining

EPA I.D. NO.: CAD 980883177

DISPOSAL METHOD

ADDRESS: End of Commercial Drive

☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Bakersfield, CA 93308

PROFILE # 16519

PHONE NO.: (805) 327-0413

James Andrews — 12-8-93

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD / NEW	L A	TONS
TRANS		S B	
DI[illegible]		RT / CD	HWD NONE

DISCREPANCY

UNDERGROUND STORAGE TANK DISPOSITION

PHASE 1 (NORTHEAST/SOUTHEAST) UNDERGROUND STORAGE TANKS

Phase 1 UST(s) were manifested and transported by CERTIFIED ENVIRONMENTAL TRANSPORT as Hazardous Waste on Uniform Hazardous Waste Numbers 92881684 & 92881686 to the ERICKSON, INC. Facility in Fontana, California on 11/04/93.

The UST(s) were decontaminated, cut up by ERICKSON, INC. and shipped back to TAMCO as steel scrap on 11/18/93 and 01/05/94, and processed into steel reinforcing bar (rebar).

PHASE 2 (NORTHWEST/SOUTHWEST) UNDERGROUND STORAGE TANKS

Phase 2 UST(s) were manifested and transported by CERTIFIED ENVIRONMENTAL TRANSPORT as Hazardous Waste on Uniform Hazardous Waste Numbers 92881698 & 92881699 to the ERICKSON, INC. Facility in Fontana, California on 11/18/93.

The UST(s) were decontaminated, cut up by ERICKSON, INC. and shipped back to TAMCO as steel scrap on 01/05/94 and 01/07/94, and processed into steel reinforcing bar (rebar).

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 Expires 9-30-94
Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD982361405	013119		

3. Generator's Name and Mailing Address
TAMCO
P.O. BOX 325, RANCHO CUCAMONGA, CA 91739

4. Generator's Phone (909 899-0660

5. Transporter 1 Company Name	6. US EPA ID Number
CERTIFIED ENVIRONMENTAL TRANSPORT	CAD983604505
7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address	10. US EPA ID Number
ERICKSON INC., 13738 SLOVER AVENUE, FONTANA, CA 92337	CAD982484933

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA, HAZARDOUS WASTE SOLID	001	TP	00025	T
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPIRATORY PROTECTION LEVEL D, P.P.E. 2981 32822
24-HOUR EMERGENCY PHONE #: 909/899-0660 LEONARD E. ROBINSON

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
OBO TAMCO MICHAEL PERSHAN	Michael Pershan	11	04	93

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name	Signature	Month	Day	Year
DAN SIMMONDS		11	04	93

18. Transporter 2 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LEELEN T. BARRIGAN	Leelen T. Barrigan	11	05	93

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (7/92)
RCRA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 Expires 9-30-94
(Use blood ink or type. Form designed for use on elite (12-pitch) typewriter.)

See Instructions on back of page 6.

Department of Toxic Substances C
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD982361405	03196		

3. Generator's Name and Mailing Address
TAMCO
P.O. BOX 325, RANCHO CUCAMONGA, CA 91739
4. Generator's Phone (909) 899-0660

5. Transporter 1 Company Name: CERTIFIED ENVIRONMENTAL TRANSPORT
6. US EPA ID Number: CAD983604505

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: ERICKSON INC., 13738 SLOVER AVENUE, FONTANA, CA 92337
10. US EPA ID Number: CAD982484933

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA, HAZARDOUS WASTE SOLID	001	TP	00025	T
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPIRATORY PROTECTION LEVEL D, P.P.E.
24-HOUR EMERGENCY PHONE #: 909/899-0660 LEONARD E. ROBINSON

1982
32822

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

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GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
TAMCO MICHAEL PERCHAL	Michael Perchal	11	04	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAN SIMMONDS		11	04	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
LEELEN T. BARRIGAN	Leelen T. Barrigan	11	05	93

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

92881686

DTSC 8022A (7/92)
EPA 8700-22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See instructions on back of page 6.

Department of Toxic Substances C
Sacramento, California 9

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

CAD982361405 | 013215

3. Generator's Name and Mailing Address
TAMCO
PO BOX 325, RANCHO CUCAMONGA, CA 91739

4. Generator's Phone (909) 899-0660

5. Transporter 1 Company Name | 6. US EPA ID Number
CERTIFIED ENVIRONMENTAL TRANSPORT | CAD983604505

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address | 10. US EPA ID Number
ERICISON INC., 13738 SLOVER AVENUE
FONTANA, CA 92337 | CAD982484933

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA, HAZARDOUS WASTE SOLID	001	TP	00623	T
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPIRATORY PROTECTION LEVEL D. P.P.E. TK#2984
24-HOUR EMERGENCY PHONE #: 909/899-0660 - LEONARD E. ROBINSON JOB#32822

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
OBO TAMCO MICHAEL FERGUSON		11	18	91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert See		11	18	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
LEELENT BARRIGAN		11	18	91

DO NOT WRITE BELOW THIS LINE.

GENERATOR | TRANSPORTER | FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

928881698

DTSC 8022A (7/92)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982361405 Manifest Document No. 013216 2. Page 1 of 1

Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
TAMCO
PO BOX 325, RANCHO CUCAMONGA, CA 91739

4. Generator's Phone (909 899-0660

5. Transporter 1 Company Name
CERTIFIED ENVIRONMENTAL TRANSPORT

6. US EPA ID Number
CAD983604505

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
ERICKSON INC., 13738 SLOVER AVENUE
FONTANA, CA 92337

10. US EPA ID Number
CAD982484933

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA, HAZARDOUS WASTE SOLID	001	TP	00023	T
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES, RESPIRATORY PROTECTION LEVEL D. P.P.E. TK# 2983
24-HOUR EMERGENCY PHONE #: 909/899-0660 LEONARD E. ROBINSON JOB# 32822

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: MICHAEL PERCHAN Signature: [signature] Month 11 Day 18 Year 93

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: NELSON GALES Signature: [signature] Month 11 Day 18 Year 93

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: LEELEN T. BARRIGAN Signature: [signature] Month 11 Day 18 Year 93

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

92881699

GENERATOR'S TRANSPORTER'S FACILITY

DTSC 8022A (7/92)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

ERICKSON Inc.
13738 Slover A...
Fontana, C...

(714) 355-5601
(714) 355-5912 Fax

...NO. ...TRIAL FORM

CONTRACTOR:	ERICKSON, INC.
ADDRESS:	13738 SLOVER AVENUE, FONTANA, CALIF. 92335
JOB SITE:	ERICKSON
ADDRESS:	13738 SLOVER AVENUE, FONTANA, CALIFORNIA
DESTINATION:	

DATE	TIME	PROJECTED TANKS	ORDERED BY	LIC. NO

SPECIAL INSTRUCTIONS: _____

TIME IN:

TIME OUT:

2981/32822
2982/32822

✓	Services Rendered	Cost
___	Disposal Fee	200.00
___	Extensive Loading Time	150.00
___	Disposal Fee with Permit	300.00
___	Fiberglass Tank Disposal Fee Per Tank	400.00
___	Fiberglass Tank Delivered	200.00
___	Bobtail Disposal Fee	250.00
___	Cancellation Fee	250.00
	TOTAL CHARGES	$

All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

CONTRACTOR'S SIGNATURE

QTY.	GALLONS RECEIVED	TYPE	NET TONS	TOTAL
[redacted]	[redacted]	[redacted]	[redacted]	
	3,000		.14	
	4,000		.21	
	5,000		.24	
	1000 - 10 GL		.44	
	1000 - 6 GL		.51	
	8,000		.67	
	10,000		.97	
	12,000		1.14	
	15,000		1.33	
	20,000		1.84	
	25,000		2.42	
	30,000		2.84	
	35,000		3.28	
	40,000		3.44	
	45,000		3.82	
	50,000		4.33	
2	3,000		4.93	
NO. OF TANKS		TOTAL	NET TONS	

[redacted] — STEEL 105

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF [redacted] AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY [redacted] FOR PURPOSES ONLY.

Michael Gale
AUTHORIZED REP.

11-8-93
DATE

CONTRACTOR COPY

ERICKSON Inc.
13738 Slover A
Fontana, CA

(714) 355-6801
(714) 355-6912 Fax

...SAL FORM

...193

CONTRACTOR:	ERICKSON, INC.
ADDRESS:	13738 SLOVER A... FONTANA, CALIF. 92335
JOB SITE:	ERICKSON
ADDRESS:	13738 SLOVER AVENUE, FONTANA, CALIFORNIA
DESTINATION:	

DATE	TIME	PROJECTED TANKS	ORDERED BY	LIC. NO

SPECIAL INSTRUCTIONS: _____

TIME IN:

TIME OUT:

2983/32822

✓	Services Rendered	Cost
___	Disposal Fee	200.00
___	Extensive Loading Time	150.00
___	Disposal Fee with Permit	300.00
___	Fiberglass Tank Disposal Fee Per Tank	400.00
___	Fiberglass Tank Delivered	200.00
___	Bobtail Disposal Fee	250.00
___	Cancellation Fee	250.00
	TOTAL CHARGES	$

All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

_____
CONTRACTOR'S SIGNATURE

DATE	TANK RECEIVED AT	TYPE OF TANK	NET TONS	TOTAL
[illegible]	[illegible]	[illegible]	.14	
[illegible]	[illegible]	[illegible]	.21	
[illegible]	[illegible]	[illegible]	.24	
[illegible]	[illegible]	[illegible]	.44	
[illegible]	[illegible]	[illegible]	.61	
[illegible]	[illegible]	[illegible]	.87	
[illegible]	[illegible]	[illegible]	.97	
[illegible]	[illegible]	[illegible]	1.14	
[illegible]	[illegible]	[illegible]	1.32	
[illegible]	[illegible]	[illegible]	1.84	
[illegible]	[illegible]	[illegible]	2.42	
[illegible]	[illegible]	[illegible]	2.84	
[illegible]	[illegible]	[illegible]	3.86	
[illegible]	[illegible]	[illegible]	3.44	
[illegible]	[illegible]	[illegible]	3.82	
[illegible]	[illegible]	[illegible]	4.33	
[illegible]	[illegible]	[illegible]	4.83	
		NO. OF TANKS	TOTAL NET TONS	
		[illegible]		

'6 — STEEL 105

CERTIFICATE OF [illegible]

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF [illegible] AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY [illegible] FOR PURPOSES ONLY.

Michael Gale
AUTHORIZED REP.

11-22-93
DATE

CONTRACTOR COPY

ERICKSON Inc.
13738 Slover
(Fontana)
(714) 355-6801
(714) 355-6912 Fax

NO.

SAL FORM

CONTRACTOR: ERICKSON, INC.
ADDRESS: 13738 SLOVER AVENUE, FONTANA, CALIF. 92335
JOB SITE: ERICKSON
ADDRESS: 13738 SLOVER AVENUE, FONTANA, CALIFORNIA
DESTINATION:

DATE	TIME	PROJECTED TANKS	ORDERED BY	LIC. NO

SPECIAL INSTRUCTIONS:

TIME IN:
TIME OUT:

2984/32822

✓	Services Rendered	Cost
___	Disposal Fee	200.00
___	Extensive Loading Time	150.00
___	Disposal Fee with Permit	300.00
___	Fiberglass Tank Disposal Fee Per Tank	400.00
___	Fiberglass Tank Delivered	200.00
___	Bobtail Disposal Fee	250.00
___	Cancellation Fee	250.00
	TOTAL CHARGES	$

All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

CONTRACTOR'S SIGNATURE

DATE	GALLONS	WASTE RECEIVED TYPE	NET TONS	TOTAL
			.14	
			.21	
			.24	
			.41	
			.81	
			.97	
			.97	
			1.14	
			1.32	
			1.64	
			2.42	
			2.64	
			3.26	
			3.44	
			3.82	
			4.33	
			4.93	

NO. OF TANKS | TOTAL | NET TONS

$ — STEEL 105

CERTIFICATE OF DISPOSAL / RECEIPT

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE WASTE AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY.

AUTHORIZED REP.

11-29-93
DATE

CONTRACTOR COPY

Arrow Hwy, Rancho Cucamonga

2981 - 32822

CERTIFICATE

Certified Services Company
13738 Slover Avenue
Fontana, California 92335

Day or Night
Telephone
(714) 355-5601

For: Erickson, Inc. Tank No.(s): 2981 Location: Fontana, CA Date: 11-8-93 Time: 1:30

Test Method: Visual/Gastech 1314 SMPN Last Product: Fuel Oil

This is to certify that I have personally determined that the tank(s) in the following list on conditions existing at the time the inspection herein set forth was completed are in accordance with the American Petroleum Institute and have found the condition issued subject to compliance with all qualifications and instructions. each to be in accordance with its assigned designation. This certificate is based

Tank(s)	Condition
(1) 50 gallon steel tank	Safe for Fire: <17 LEL
	Safe for Men: 20.9% Oxygen
	Hydrocarbon: <10 PPM

"Erickson Inc. hereby certifies that the above numbered tank has been decontaminated."

prevent of any physical or atmospheric changes affecting the gas-free condition of undersigned. This permit is valid for 24 hours if no physical or atmospheric above tanks, or if in any doubt immediately stop all hot work and contact the changes occur.

Safe for Men: Means that in the compartment or space so designated (a) The oxygen of the atmosphere is at least 19.5 percent by volume, and that (b) Toxic materials in the atmosphere are within permissable concentrations, and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit, and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative Title Inspector

59 Arrow Hwy, Rancho Rucamonga

CERTIFICATE

Certified Services Company
13738 Slover Avenue
Fontana, California 92335

Day or Night
Telephone
(714) 355-5601

No. 2982 - 32822

Co.

For Brickson, Inc. Tank No.(s) 2982 Location Fontana, CA Date: 11-8-93 Time: 2:45

Test Method: Visual/Gastech 1314 SMPN Last Product: Fuel Oil

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
One (1) ~~50~~ 50,000 gallon steel tank	Safe for Fire: <1% LEL
	Safe for Men: 20.9% Oxygen
	Hydrocarbon: <10 PPM

Remarks: "Erickson Inc. hereby certifies that the above numbered tank has been decontaminated."

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmos changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explo limit; and that (b) In the judgment of the Inspector, the residues are not capab producing a higher concentration than permitted under existing atmospheric condition in the presence of fire and while maintained as directed on the Inspector's certificate and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent th spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated a deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

[redacted] Representative Title [redacted] Inspector

9 Arrow Hwy, Rancho Cucamonga

2983 32882 32842

CERTIFICATE

Certified Services Company
13738 Slover Avenue
Fontana, California 92335

Day or Night
Telephone
(714) 355-5601

For Erickson, Inc. Tank No.(s) 2983 Location: Fontana, CA Date: 11/22/93 Time: 9:30am

Test Method Visual/Gastech 1314 SMPN Last Product: Fuel Oil

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
One (1) 50,000 gallon steel tank	Safe for Fire: <1% LEL
	Safe for Men: 20.9% Oxygen
	Hydrocarbon: <10 PPM

Remarks: "Erickson Inc. hereby certifies that the above numbered tank has been decontaminated."

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume, and that (b) Toxic materials in the atmosphere are within permissable concentrations, and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit, and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative Supervisor Inspector
Title

Arrow Hwy, Rancho Cucamonga

CERTIFICATE

2984 - 32822

Certified Services Company
13738 Slover Avenue
Fontana, California 92335

Day or Night
Telephone
(714) 355-5601

For Erickson, Inc. Tank No.(s) 2984 Location Fontana, CA Date: 11-29-93 Time: 9:45

Test Method: Visual/Gastech 1314 SMPN Last Product: Fuel Oil

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
One (1) 50,000 gallon steel tank	Safe for Fire: <1% LEL
	Safe for Men: 20.9% Oxygen
	Hydrocarbon: <10 PPM

Remarks: "Erickson Inc. hereby certifies that the above numbered tank has been decontaminated."

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:
Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentrations of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative Title Inspector

TAMCO
P.O. BOX 325 • RANCHO CUCAMONGA, CA 91739-0325

CERTIFICATE OF RECYCLING

DATE: NOVEMBER 22, 1993

SUPPLIER: TAMCO
12459 ARROW HIGHWAY
RANCHO CUCAMONGA, CA 91739

TRANSPORTER: ERICKSON INC.

THIS IS TO CERTIFY THAT

28,200 POUNDS

OF UNDERGROUND STORAGE TANKS RECEIVED BY TAMCO

ON NOVEMBER 18, 1993

THIS MATERIAL HAS BEEN RECYCLED INTO STEEL

REINFORCEMENT BAR

THEREFORE, ALL MATERIAL HAS BEEN CERTIFIED AS RECYCLED
THANK YOU FOR PARTICIPATING IN OUR ENDEAVOR TO BUILD
AMERICA AND "REINFORCE" THE ENVIRONMENT

TAMCO

11/22/93
DATE

(909) 899-0660 ✦ FAX: (909) 899-1910 (ADMINISTRATION) ✦ FAX: (909) 899-4293 (SALES)

TAMCO
P.O. BOX 325 • RANCHO CUCAMONGA, CA 91739-0325

CERTIFICATE OF RECYCLING

DATE: JANUARY 10, 1994

SUPPLIER: TAMCO
12459 ARROW HIGHWAY
RANCHO CUCAMONGA, CA 91739

TRANSPORTER: ERICKSON, INC.

THIS IS TO CERTIFY THAT

40,540 POUNDS

OF SCRAP (UNDERGROUND STORAGE TANKS) WAS RECEIVED BY

TAMCO

ON DOCUMENT NUMBER 62992

ON JANUARY 5, 1994

THIS MATERIAL HAS BEEN RECYCLED INTO STEEL REINFORCEMENT BAR

THEREFORE, ALL MATERIAL HAS BEEN CERTIFIED AS RECYCLED

THANK YOU FOR PARTICIPATING IN OUR ENDEAVOR TO BUILD AMERICA AND "REINFORCE" THE ENVIRONMENT

TAMCO _____ 1/10/94 DATE

(909) 899-0660 • FAX: (909) 899-1910 (ADMINISTRATION) • FAX: (909) 899-4293 (SALES)

TAMCO Steel
P.O. BOX 325 • RANCHO CUCAMONGA, CA 91739-0325

CERTIFICATE OF RECYCLING

DATE: JANUARY 10, 1994

SUPPLIER: TAMCO
12459 ARROW HIGHWAY
RANCHO CUCAMONGA, CA 91739

TRANSPORTER: ERICKSON, INC.

THIS IS TO CERTIFY THAT

43,600 POUNDS

OF SCRAP (UNDERGROUND STORAGE TANKS) WAS RECEIVED BY

TAMCO

ON DOCUMENT NUMBER 63071

ON JANUARY 7, 1994

THIS MATERIAL HAS BEEN RECYCLED INTO STEEL REINFORCEMENT BAR

THEREFORE, ALL MATERIAL HAS BEEN CERTIFIED AS RECYCLED

THANK YOU FOR PARTICIPATING IN OUR ENDEAVOR TO BUILD AMERICA AND "REINFORCE" THE ENVIRONMENT

TAMCO

1/10/94
DATE

(909) 899-0660 ✦ FAX: (909) 899-1910 (ADMINISTRATION) ✦ FAX: (909) 899-4293 (SALES)

SUPPORT COMPANIES

OWL CRANE
2025 E. Financial Way, Suite 106
Glendora, Ca 91740
(818) 335-5949
Crane Service for UST(s)

CERTIFIED ENVIRONMENTAL TRANSPORT INC.
15568 Slover Avenue
Fontana, CA 92337
(909) 428-6861
UST Transportation Company

ERICKSON, INC.
13738 Slover Avenue
Fontana, CA 92337
Darwin Hall
(909) 355-5601
UST Decontamination Facility

ENVIRO-CHEM, INC.
1214 E. Lexington Avenue
Pomona, CA 91766
(909) 590-5905
Analytical Lab for Soil Analysis

CONSOLIDATED WASTE INC.
10680 Silicon Avenue
Montclair, CA 91763
Rick Brown/Marko Freeman
(909) 625-6645
Petroleum Hydrocarbon Contaminated Soil Transportation/Soil Sampling

GIBSON OIL AND REFINING INC.
End of Commercial Drive
Bakersfield, CA 93308
(805) 327-0413
Petroleum Hydrocarbon Contaminated Soil Recycling Facility

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

☑ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200

PAMELLA BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

SAN BERNARDINO

February 28, 1994

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
2010 IOWA AVE., SUITE 100
RIVERSIDE, CALIFORNIA 92507-2409

ATTENTION: KENNETH R. WILLIAMS, EXECUTIVE OFFICER

SUBJECT: LOCAL OVERSIGHT PROGRAM CASE CLOSURE SUMMARY(S)

Pursuant to requirements of the department's Local Oversight Program contract with the State Water Board, Please find enclosed the "Case Closure Summary(s)" for the following site(s) within your jurisdiction:

TAMCO
12459 Arrow Hwy.
Rancho Cucamonga, CA

As you are aware, conditions of the contract require a 30 day review period in which your agency may reject the recommended closure or request additional time. Therefore, without objection, the department will issue the standardized "Remedial Action Completion Certification" 35 days after the date of this correspondence.

If you have any questions, please call me at (909) 387-3041.

Ronald A Ripley

RONALD A. RIPLEY, R.E.H.S.
SUPERVISING ENVIRONMENTAL HEALTH SPECIALIST
HAZARDOUS MATERIALS MANAGEMENT
SITE REMEDIATION/LOCAL OVERSIGHT PROGRAM

RR:raa

Board of Supervisors
MARSHALL TARGER ..... First District
JON D. MIKELS ..... Second District
JERRY EAVES ..... Fifth District
BARBARA CRAIG HOPSON
LARRY WALKER

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

I. Agency Information

Date: FEB 28 1994

Agency name: Environmental Health Services	Address: 385 N. Arrowhead Ave., 2nd Floor
City/State/ZIP: San Bernardino, CA 92415-0160	Phone: (909) 387-3041
Responsible staff person: Lisa Holst	Title: Env. Health Spec II

II. Case Information

Site facility name: TAMCO		
Site facility address: 12459 Arrow Hwy., Rancho Cucamonga		
RB LUSTIS Case No: 083602379T	Local Case No.:	LOP Case No.: 93063
URF filing date: 11-22-93	SWEEPS No: 36-000-008874-000001, 2, 3, 4	
Responsible Parties	Addresses	Phone Numbers
TAMCO	12459 Arrow Hwy., R. Cuca	(909) 899-0660

Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1	50 K	Diesel	Removed	11-4-93
2	50 K	Diesel	Removed	11-4-93
3 & 4	50 K/50 K	Diesel	Removed	11-4-93

III. Release and Site Characterization Information

Cause and type of release: Piping leak at turbine		
Site characterization complete? (Yes) No	Date approved by oversight agency: 12-3-93	
Monitoring Wells Installed? Yes (No)	Number:	Proper screened interval? Yes No
Highest GW depth below ground surface: 100	Lowest Depth: 200	Flow direction:
Most Sensitive Current Use:		
Are drinking water wells affected? Yes (No)	Aquifer Name: N/A	
Is surface water affected? Yes (No)	Nearest/affected SW name:	
Off-site beneficial use impacts (addresses/locations):		
Report(s) on file? (Yes) No	Where is report filed? San Bernardino Co. DEHS	

Treatment and Disposal of Affected Material

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	4 - 50 K	Decontaminated & sectioned at Erickson,	11-04-93
Piping	100 ft.	sent back to TAMCO as scrap to be processed	
Free Product		into rebar.	
Soil	633 cubic yards	Gibson Oil & Refining Facility, Bakersfield	10-21-93
Groundwater			12-08-93
Barrels			

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations---Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)					Xylene				
TPH (Diesel)	12,360	ND			Ethylbenzene				
Benzene					Oil & Grease				
Toluene					Heavy metals				
Other					Other				

Comments (Depth of Remediation, etc.):

Excavation to 23 ft.

IV. Closure

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? (Yes) No

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? (Yes) No

Does corrective action protect public health for current land use? (Yes) No

Site management requirements:

Should corrective action be reviewed if land use changes? Yes (No)

Monitoring wells Decommisioned: Yes No | Number Decommisioned: | Number Retained:

List enforcement actions taken:

Notice of Requirement to Reimburse

List enforcement actions rescinded:

V. Local Agency Representative Data

Name: Peter Brierty Title: Division Chief/Hazardous Materials Management

Signature: [signature] Date: 2-28-94

RAL

VI. RWQCB Notification

Date Submitted to RB: RB Response:

RWQCB Staff Name: Title: Date:

VII. Additional Comments Data etc.

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.

08/24/93

File

ENCON CORPORATION

Integrated Environmental and Engineering Services
4010 Watson Plaza Drive, Ste 225 Lakewood, Ca. 90712

Tel: (562) 982 - 0273 Fax: (562) 982 - 0275

FAX TRANSMITTAL SHEET

TO: FROM:

FAX#: 909-387-4323 **Name:** Mike Zemmer

Company: San Bernardino Co. Fire **Reference:**

Attention: Julie Calderon **Date:** 12-8-98

Subject: Soil Analytical for Tamco Steel
Log# 110498-06 Job Add. 12459 Hasan Hwy.
Rancho Cucamonga

Pages 4, including this sheet

If you do not receive all pages, please notify us as soon as possible.

Information:

Julie, Soil Sample results as Requested by San Bernardino Inspector. Request to use Removed soil from Tamco Upgrade for backfill. Please advise or if you have any questions please give me a call.

Thank you

ENCON Tel: 562/982-0273 Fax: 562/982-0275
Environmental, Engineering & Construction Services
4010 Watson Plaza Drive, Suite 225
Lakewood, CA 90712

Michael A. Zemmer, *Senior Project Staff*
Environmental & Safety Compliance Manager

TO LOP REVIEW
MJW 12/8/98

OK FOR BACKFILL USE
PER LOP - R.P.

Signed

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL REPORT

--- M8015(Diesel) ---

Client Name: ENCON
Project Manager: R. Fletcher
Project Name: Tamco

Date Sampled: 12/03/98
Date Analyzed: 12/06/98
Date Reported: 12/07/98

SAMPLE IDENTIFICATION		RESULT
CSE ID	Sample ID	(mg/kg or ppm)
81[illegible]M-1	T1ND	ND
81[illegible]M-2	D1	ND
81[illegible]M-3	D2	353
81[illegible]M-4	T2SG	ND
Detection Limit:		10

ND = Not detected at the indicated detection limit.

14148 E. Firestone Blvd., Santa Fe Springs, CA 90670 Tel: 562 921-8123. Fax: 562 921-7974

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL REPORT

--- EPA 418.1 ---

Client Name: ENCON
Project Manager: R. Fletcher
Project Name: Tamco

Date Sampled: 12/04/98
Date Analyzed: 12/07/98
Date Reported: 12/07/98

SAMPLE IDENTIFICATION		RESULT
CSE ID	Sample ID	(mg/kg or ppm)
812048-1	T2SG@6'	127
812048-2	D2@3'	ND
Detection Limit:		10

ND = Not detected at the indicated detection limit.

14148 E. Firestone Blvd., Santa Fe Springs, CA 90670 Tel: 562 921-8123. Fax: 562 921-7974

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL REPORT

---M8015(Gasoline)/M8020(BTEX,MTBE)---

Client Name: ENCON
Project Manager: R. Fischer
Project Name: Tamco

Date Sampled: 12/03/98
Date Analyzed: 12/06/98
Date Reported: 12/07/98

SAMPLE IDENTIFICATION		RESULT (mg/kg or ppm)					
CEC ID	Sample ID	M8015 Gasoline	M8020 Benzene	M8020 Toluene	M8020 Ethylbenz	M8020 Xylenes	M8020 MTBE
81[redacted]M-1	T1ND	ND	ND	ND	ND	ND	ND
81[redacted]M-2	D1	ND	ND	ND	ND	ND	ND
81[redacted]M-3	D2	ND	ND	ND	ND	ND	ND
81[redacted]M-4	T2SG	ND	ND	ND	ND	ND	ND
Detection Limit:		10	0.005	0.005	0.005	0.015	0.1

ND = Not detected at the indicated detection limit.

14148 E. Firestone Blvd., Santa Fe Springs, CA 90670 Tel: 562 921-8123. Fax: 562 921-7974

COUNTY FIRE DEPARTMENT

HAZARDOUS MATERIALS DIVISION
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

PETER R. HILLS
Fire Chief
County Fire Warden

July 2, 2002

TAMCO
12459 ARROW HIGHWAY
RANCHO CUCAMONGA, CALIFORNIA 91730

SITE # 97067

ATTENTION: LEONARD ROBINSON

SUBJECT: REMEDIATION OF SLAG AND NON-SLAG STOCKPILED SOIL FOR TAMCO, LOCATED AT 12459 ARROW HIGHWAY, RANCHO CUCAMONGA, CALIFORNIA

esi # 80008874

The Department has reviewed the subject document dated June 2001 submitted by Clayton Group Services, Inc. This letter confirms the completion of the site investigation and remedial action for the contaminated soil at the above site. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of the Department that no further action is required at this time. Residual concentrations of contaminants remain in the soil; however, verification sampling has revealed the concentrations to be below hazardous waste thresholds.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional, or previously unidentified conditions at the site, which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of the site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this agency of any changes in report content, future contamination findings, or site usage.

If you have any questions, please call me at (909) 387-3041.

Catherine B. Richards,

CATHERINE B. RICHARDS, R.E.H.S.
ENVIRONMENTAL HEALTH SPECIALIST II
HAZARDOUS MATERIALS DIVISION
SITE REMEDIATION/LOCAL OVERSIGHT PROGRAM

CBR/lld

cc: Robert Holub, Regional Water Quality Control Board, Santa Ana Region
Greg Holmes, Department of Toxic Substances Control

THE LEU GROUP

25071 Calle Arenal, Suite 100
Lake Forest, CA 92630
Telephone: (949) 586-5032
Fax: (949) 587-1666
Cell: (949) 636-1110
email: daveleu@home.com

COUNTY FIRE
HAZARDOUS MATERIALS
00 DEC 15 AM 9:54

November 22, 2000

Mrs. Catherine Richards, R. E. H. S.
San Bernardino County Fire Department
Hazardous Materials Division
385 North Arrowhead Avenue
San Bernardino, CA 92415-0153

est # 0600088 74

Dear Mrs. Richards:

On behave of TAMCO, Clayton Group Services (Clayton) and The Leu Group, I wish to formally request approval to use clean slag generated from the Rotary Drum Separation System ((RDSS) as cover material at the site of the former slag pile. The clean slag in question was generated during the second phase of TAMCO's remediation project (subsurface removal). It has been tested and found to meet the clean slag criteria cited in the Remedial Action Plan dated November 1999 as approved by your agency. The attached Table provides the results of the analytical testing.

This modification to the approved Rap will allow TAMCO to directly use the slag as surface cover material instead of having to give the slag to Olympic Mills and then buy it back (without any further processing) for use of cover material as required under the current RAP. Up to 7000 tons of clean slag may be used by TAMCO for this purpose.

If you have additional questions on the use of this slag, please contact Leonard Robinson (TAMCO; 909-899-0660 x203) or myself at the letterhead telephone number.

Sincerely,

David J. Leu, Ph. D.
President
The Leu Group

Cc: Leonard Robinson (TAMCO)
Gustavo Valdivia (Clayton)

Table 1
TAMCO Remediation Project
Phase II RDSS Treated Slag Results

Clean Slag Criteria

Total Concentration (mg/kg)				WET Concentration (mg/L)			
Cd	Cr	Pb	Zn	Cd	Cr	Pb	Zn
100	2500	1000	5000	1	560	5	250

RDSS Treated Slag Results

					Total Concentration (mg/kg)				WET Concentration (mg/L)				
Sample No.	Description	Lab Job	Lab No.	Sample Date	Cd	Cr	Pb	Zn	Cd	Cr	Pb	Zn	Meets Clean Slag Criteria?
P2-TM912-1a	Treated material	9049	57144	09/18/2000	35	860	353	421	<0.10		<0.50		**Yes**
P2-TM912-1b	Treated material	9049	57145	09/18/2000	<0.50	2040	120	324			<0.50		**Yes**
P2-TM912-1c	Treated material	9049	57146	09/18/2000	<0.50	362	96.5	306			<0.50		**Yes**
P2-TM912-1d	Treated material	9049	57147	09/18/2000	1.44	2000	447	917			<0.50		**Yes**
P2-TM919-1	Treated material	9066	57201	09/19/2000	1.05	895	153	731			<0.50		**Yes**
P2TM0928-1	Treated material	9174	57774	09/28/2000	6.07	1861	259	1260	<0.10	2.06	<0.50	0.87	**Yes**
P2TM1006-4	Treated material	9234	58056	10/06/2000	2.88	703	791	649	<0.10	0.59	<0.50	<0.25	**Yes**
P2TM1023-5	Treated material	9389	59089	10/23/2000	0.8	173	48.7	474					**Yes**

COUNTY FIRE
HAZARDOUS MATERIALS
00 DEC 15 AM 9:54

25071 Calle Arenal, Suite 100
Lake Forest, CA 92630
Telephone: (949) 586-5032
Fax: (949) 587-1666

The Leu Group

Fax

To:	Catherine Richard	**From:**	David Leu
Fax:	909-387-4323	**Pages:**	4 with cover
Phone:	909-387-3041	**Date:**	8/31/00
Re:	TAMCO Remediation Quarterly Report	**CC:**	

☐ **Urgent** ☑ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☑ **Please File**

• Comments

Here is a copy of the Quarterly Report on the TAMCO remediation project. A hard copy is being put into the mail. The next few weeks will be spent removing the upper few feet of the slag/dust material. Once enough "dirty" slag is stockpiled, we will start the RDSS unit back up to process it. My guess that will not be until the end of September. I will call you when I have a firmer date. So far, everything has gone very smoothly and according to plan. This material found underneath the footprint is it only unexpected event.

If you have any questions, please give me a call.

The information contained in this facsimile is confidential and may also be attorney-client privileged. The information is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by a collect telephone call to (949) 586-5032, and return the original message to us via the U.S. Postal Service. Thank You.

THE LEU GROUP

25071 Calle Arenal, Suite 100
Lake Forest, CA 92630
Telephone: (949) 586-5032
Fax: (949) 587-1666
Cell: (949) 636-1110
email: daveleu@home.com

August 29, 2000

Mrs. Catherine Richards
San Bernardino County Fire Department
Hazardous Materials Division
385 North Arrowhead Avenue
San Bernardino, CA 92415-0153

Dear Mrs. Richards:

The Leu Group in conjunction with Clayton Environmental Consultants, a division of Clayton Group Services, Inc. (Clayton), and TAMCO is submitting this letter report in fulfillment of the quarterly reporting requirements contained in the TAMCO Remediation Workplan approval letter issued by your department and dated January 10, 2000.

Clayton and its subcontractor, The Leu Group, was contracted by TAMCO to conduct the remediation of a 41,000-cubic-yard (approximately 62,500 ton) stockpile of slag and non-slag material located at the TAMCO facility, at 12459 Arrow Highway, Rancho Cucamonga, California.

The slag material in the stockpile is a co-product of the steel rebar produced at TAMCO. The material in the stockpile can be classified as clean slag, dirty slag (clean slag mixed with baghouse dust), and baghouse dust. A workplan, dated November 1999, that described the remediation of this stockpile was submitted to the County of San Bernardino Fire Department, Hazardous Materials Division (SBCFD) as the lead regulatory agency. The remediation approach called for the materials to be segregated through excavation into three general groups: clean slag, dirty slag, and baghouse dust. The clean slag, once tested and shown to be clean, would be placed in a clean slag pile. It would then be crushed and sized onsite by Olympic Mills (a contractor to TAMCO) and sold in the open market.

A Rotary Drum Separation System (RDSS) unit would be used on the dirty slag to separate the baghouse dust from the clean slag. The separated slag, once tested and shown to be clean, would be given to Olympic Mills for sizing and sold on the open market. The separated baghouse dust would either be recycled offsite, fixated on site and then disposed of, or sent directly to a Class I hazardous waste disposal site as K061 (RCRA listed electric arc furnace dust) where it will be treated to meet Land Disposal Treatment Standards and then disposed of.

Any "pure" baghouse dust that was to be excavated directly from the stockpile would also be sent to a Class I hazardous waste disposal site as where it will be treated to meet Land Disposal Treatment Standards and then disposed of.

Approval to implement the workplan was granted by the SBCFD in a letter dated January 2000. While that approval was pending, Clayton worked with the Department of Toxic Substances Control (DTSC) and the South Coast Air Quality Management District to receive a hazardous waste transportable treatment unit permit and air permits from each respective agency. Once those permits were received, Clayton started to mobilize the remediation equipment to TAMCO's facility during the later part of March 2000.

The remediation of the stockpile began on April 3, 2000. It continued with brief interruptions due to weather and holidays through the end of July. During that period, approximately 62,500 tons of material was removed from the stockpile. Specifically, approximately 24,900 tons of baghouse dust was removed and manifested to the US ECOLOGY facility in Beatty, Nevada. Another approximately 37,600 tons of slag was tested and shown to meet the clean slag standards specified in the workplan. This material was either stockpiled for processing by Olympic Mills (~10,450 tons) or was crushed to three inch minus by Dan Copp Crushing under contract to TXI (Riverside Cement) (~27,150 tons). Once the material was reduced to three inch minus, it was transported to TXI's Oro Grande's cement plant and used as iron based feedstock in the production of cement. The use Dan Copp Crushing to crush and size this material and then use it as cement feedstock was reviewed and verbally approved by SBCFD in a conversation between the two of us on May 16, 2000. I sent a confirmation letter to you on that date.

None of the baghouse dust removed from the stockpile was fixated at TAMCO. Right before the project mobilized, a decision was made by TAMCO to handle all of the baghouse dust as if it was K061, even though the majority of the baghouse dust was produced before the K061 listing was promulgated by the U. S. Environmental Protection Agency. Thus, the baghouse dust removed from the stockpile was trucked under a hazardous waste manifest to the US ECOLOGY Facility in Beatty, Nevada. Once there, it was fixated to meet land-ban standards and disposed of.

Once the stockpile containing clean slag, dirty slag and baghouse dust was removed to a little below ground surface, a discrete layer of baghouse dust with slag was found beneath the stockpile footprint. Additionally, a few small depressions of principally baghouse dust were discovered. To delineate the extent of these materials, two trenches were dug that transversed the site in the north/south and east/west directions. From these trenches, it was discovered that the bottom or "root" of the stockpile extends from less than one foot to approximately 4 feet below current grade. Furthermore, a number of small depressions containing baghouse dust were found that ranged in depth from approximately four feet to approximately 12 feet below grade. Because this material appears to be affiliated with the stockpile that had just been remediated, TAMCO has decided to continue removing this material down to clean, native soil.

It is estimated that the subsurface material will add another approximately 12,000 to 15,000 tons to the remediation project. Therefore, the former estimate of 62,500 tons is being increased to approximately 77,500 tons. The actual final tonnage will be reported to the SBCFD after the completion of the project.

At this time, it is estimated that another six to eight weeks will be needed to remove the sub grade portion of the stockpile. A project completion date of mid-October is anticipated. A brief project hiatus occurred during the month of August while the trenching of the sub grade material was conducted, the additional volume calculated, and new project costs were estimated. Fieldwork to remove the remaining material is scheduled to start the last week of August 2000.

If you have any questions regarding this report or any aspects of the remediation project, please contact myself, Gustavo Valdivia (Clayton, telephone: 714-431-4100) or Leonard Robinson (TAMCO, telephone: 909-899-0660).

Sincerely,

David J. Leu, Ph.D.
President
The Leu Group
DJL/mml

Cc: Leonard Robinson (TAMCO)
Gustavo Valdivia (Clayton)
Sandi Schafer (Clayton)

THE LEU GROUP

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Lake Forest, CA 92630
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email: daveleu@home.com

August 29, 2000

Mrs. Catherine Richards
San Bernardino County Fire Department
Hazardous Materials Division
385 North Arrowhead Avenue
San Bernardino, CA 92415-0153

RECEIVED
SEP 05 2000
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

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If you have any questions regarding this report or any aspects of the remediation project, please contact myself, Gustavo Valdivia (Clayton, telephone: 714-431-4100) or Leonard Robinson (TAMCO, telephone: 909-899-0660).

Sincerely,

David J. Leu

David J. Leu, Ph.D.
President
The Leu Group
DJL/mml

Cc.: Leonard Robinson (TAMCO)
Gustavo Valdivia (Clayton)
Sandi Schafer (Clayton)

25071 Calle Arenal, Suite 100
Lake Forest, CA 92630
Telephone: (949) 586-5032
Fax: (949) 587-1666

The Leu Group

Fax

To:	Catherine Richards, R. E. H. S.	**From:**	David Leu
Fax:	(909) 387-4323	**Pages:**	2 with cover
Phone:	(909) 387-3041	**Date:**	5/16/00
Re:	Confirmation of approval	**CC:**	Leonard Robinson Tamco Gene Kulesza (TXI) Gustavo Valdivia (Clayton)

☑ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☑ **Please File**

• Comments

Enclosed is a letter that confirms my understanding of your verbal approval for TXI to use TAMCO's clean, old slag at their Oro Grande facility.

Thanks for your prompt review of the data and approval.

Dave Leu

The information contained in this facsimile is confidential and may also be attorney-client privileged. The information is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by a collect telephone call to (949) 586-5032, and return the original message to us via the U.S. Postal Service. Thank You.

THE LEU GROUP

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Lake Forest, CA 92630
Telephone: (949) 586-5032
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email: daveleu@home.com

May 16, 2000

Mrs. Catherine Richards, R. E. H. S.
San Bernardino County Fire Department
Hazardous Materials Division

Dear Mrs. Richards:

On behave of TAMCO, TXI (Riverside Cement), Clayton Group Services (Clayton) and myself, I wish to thank you for your prompt review and approval of TXI receiving processed clean slag from the old slag pile at TAMCO. Based on our telephone conversation this morning, I have informed TAMCO, TXI, and Clayton that you have reviewed the old and new slag data that I sent you yesterday. From this review, you verbally approved TXI receiving the old slag that is tested and shown to be clean as per the requirements of the Remedial Action Plan (RAP) for TAMCO's old slag pile that your agency has approved.

It is my understanding that this slag will be used by TXI as a feedstock material in the manufacturing of cement at their Oro Grande facility. It is valued by TXI as low silica, high iron material.

Now with the receipt of your verbal approval, TXI will begin to mobilize a crushing plant to the TAMCO facility. This plant will be used to crush 3 inch plus old slag. It is anticipated that this plant will be operational sometime next week. Starting sometime this week, TAMCO is expected to release to TXI 3 inch minus old slag that has been processed by the RDSS unit. All old slag that will be released to TXI will have been tested and shown to meet the clean slag standards specified in the above referenced RAP.

The exact amount of old slag that will be sent to TXI is not known at this time. However, it has been estimated that the amount will be in excess of 30,000 CY or 45,000 tons.

If you have additional questions on the use of TAMCO's old slag, please contact Leonard Robinson (TAMCO; 909-899-0660 x203) or me at the letterhead telephone number.

Sincerely,

David J. Leu, Ph. D.
President

Cc: Leonard Robinson (TAMCO)
Gene Kulesza (TXI –Riverside Cement)
Gustavo Valdivia (Clayton)

Los Angeles Regional Office

3611 South Harbor Boulevard
Suite 260
Santa Ana, CA 92704
714.431.4100
Fax 714.825.0685
www.claytongrp.com

Clayton GROUP SERVICES

FACSIMILE COVER SHEET

To:	Kathryn Richards	**Fax No:**	909-387-4323
Company:	San Bernardino County		
From:	Dave Dorn		
Date:	May 15, 2000	2:39 PM	

Number of Pages (including cover sheet):

Please confirm receipt: ☐ YES ☑ NO

If you do not receive the number of pages specified, please call 714.431.4100

COMMENTS

Kathryn,

Dave Leu asked me to send the analytical report for the major elements analysis at Tamco to you. Please let me know if it is readable; all I have is a fax copy so your fax may not be clear.

Please call me at 714-431-4127 if you have any questions.

Dave Dorn

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Clayton Group Services, Inc.
3611 S. Harbor Blvd. Suite 260
Santa Ana, CA 92704

Telephone: (714)431-4100
Attn: Gustavo Valdivia

Page: 6
Project ID: 80-00101.00
Project Name: Tamco

Job Number	Order Date	Client
7987	05/09/2000	CLAYTN

Method: 6010B, ICP Metals

Our Lab I.D.		51069	51070	51071	51072	51073
Sample ID		0-1	0-2	0-3	0-4	0-5
Date Sampled		05/08/2000	05/08/2000	05/08/2000	05/08/2000	05/08/2000
Date Extracted		05/10/2000	05/10/2000	05/10/2000	05/10/2000	05/10/2000
Preparation Method						
Date Analyzed		05/10/2000	05/10/2000	05/10/2000	05/10/2000	05/10/2000
Matrix		Slag	Slag	Slag	Slag	Slag
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Boron	5.00	375	184	337	394	186
Phosphorus	5.00	785	426	354	304	760
Silicon	5.00	337	375	361	400	308
Sulfur	1000	ND	ND	ND	ND	ND
Tin	5.00	8.83	8.38	ND	ND	8.71
Aluminum	5.00	30,400	17,600	39,600	36,000	25,000
Calcium	25	188,000	131,000	221,000	185,000	180,000
Iron	5.00	132,000	94,600	94,800	51,400	192,000
Magnesium	25	19,000	30,400	97,000	37,600	19,900
Manganese	0.50	14,500	10,700	13,300	14,000	17,000
Potassium	25	218	209	195	274	206
Sodium	25	1,010	603	720	1,060	910

Comment(s):

51069-51073: Sulfur not analyzed.

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Boron	87	70-130								
Phosphorus	96	70-130								
Silicon	96	70-130								
Sulfur		70-130								

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

Page: 7
Project ID: 80-00101.00
Project Name: Tamco

Job Number	Order Date	Client
7987	05/09/2000	CLAYTN

Method: 6010B, ICP Metals

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit
ICP Metals		
Tin	100	70-130
Aluminum	102	70-130
Calcium	122	70-130
Iron	116	70-130
Magnesium	108	70-130
Manganese	101	80-120
Potassium	90	70-130
Sodium	92	70-130

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Clayton Group Services, Inc.
3611 S. Harbor Blvd. Suite 200
Santa Ana, CA 92704

Telephone: (714)431-4100
Attn: Gustavo Valdivia

Page: 8
Project ID: 80-00101.00
Project Name: Tamco

Job Number	Order Date	Client
7987	05/09/2000	CLAYTN

Method: 6010B, ICP Metals

Our Lab ID		51074	51075	51076	51077	51078
Sample ID		0-6	N-1	N-2	N-3	N-4
Date Sampled		05/08/2000	05/08/2000	05/08/2000	05/08/2000	05/08/2000
Date Extracted		05/10/2000	05/10/2000	05/10/2000	05/10/2000	05/10/2000
Preparation Method						
Date Analyzed		05/10/2000	05/10/2000	05/10/2000	05/10/2000	05/10/2000
Matrix		Slag	Slag	Slag	Slag	Slag
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
ICP Metals						
Boron	5.00	280	171	155	303	221
Phosphorus	5.00	634	335	67.2	451	570
Silicon	5.00	345	289	349	310	360
Sulfur	1000	ND	ND	ND	ND	ND
Tin	5.00	5.88	65.8	14.2	20.1	22.6
Aluminum	5.00	25,700	33,600	4,740	38,100	28,800
Calcium	25	186,000	195,000	62,100	221,000	169,000
Iron	5.00	118,000	54,900	133,000	106,000	143,000
Magnesium	25	26,600	56,500	18,900	42,300	44,800
Manganese	0.50	14,000	7,000	163,000	13,000	10,400
Potassium	25	245	53.4	ND	242	100
Sodium	25	806	569	268	1,460	1,130

Comment(s):

51074-51078: Sulfur not analyzed.

QUALITY CONTROL REPORT

Analytes	LCS %REC	LCS/LCSD %Limit								
ICP Metals										
Boron	87	70-130								
Phosphorus	96	70-130								
Silicon	96	70-130								
Sulfur		70-130								

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

Page: 9
Project ID: 80-00101.00
Project Name: Tamco

Job Number	Order Date	Client
7987	05/09/2000	CLAYTN

Method: 6010B, ICP Metals

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals:										
Tin	100	70-130								
Aluminum	102	70-130								
Calcium	122	70-130								
Iron	116	70-130								
Magnesium	108	70-130								
Manganese	101	80-120								
Potassium	90	70-130								
Sodium	92	70-130								

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

Ordered By

Clayton Group Services, Inc.
3611 S. Harbor Blvd. Suite 260
Santa Ana, CA 92704

Telephone: (714)431-4100
Attn: Gustavo Valdivia

Page: 10
Project ID: 80-00101.00
Project Name: Tamco

Job Number	Order Date	Client
7987	05/09/2000	CLAYTN

Method: 6010B, ICP Metals

Our Lab ID:		51079	51080			
Sample ID		N-5	N-6			
Date Sampled		05/08/2000	05/08/2000			
Date Extracted		05/10/2000	05/10/2000			
Preparation Method						
Date Analyzed		05/10/2000	05/10/2000			
Matrix		Slag	Slag			
Units		mg/Kg	mg/Kg			
Detection Limit Multiplier		1	1			
Analytes	**PQL**	**Results**	**Results**			
ICP Metals						
Boron	5.00	235	266			
Phosphorus	5.00	121	72			
Silicon	5.00	435	336			
Sulfur	1000	ND	ND			
Tin	5.00	5.75	5.33			
Aluminum	5.00	22,000	89,900			
Calcium	25	101,000	218,000			
Iron	5.00	34,700	22,500			
Magnesium	25	63,300	68,600			
Manganese	0.50	7,000	5,110			
Potassium	25	158	131			
Sodium	25	697	548			

Comment(s):

51079-51080: Sulfur not analyzed

QUALITY CONTROL REPORT

Analytes	LCS %REC	LCS/LCSD % Limit								
ICP Metals										
Boron	87	70-130								
Phosphorus	96	70-130								
Silicon	96	70-130								
Sulfur		70-130								

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate, SM - Sample. SMD - Sample Duplicate.

AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

Page: 11
Project ID: 80-00101.00
Project Name: Tanco

Job Number	Order Date	Client
7987	05/09/2000	CLAYTN

Method: 6010B, ICP Metals

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Tin	100	70-130								
Aluminum	102	70-130								
Calcium	122	70-130								
Iron	116	70-130								
Magnesium	108	70-130								
Manganese	101	80-120								
Potassium	90	70-130								
Sodium	92	70-130								

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

Clayton ENVIRONMENTAL CONSULTANTS

A DIVISION OF CLAYTON GROUP SERVICES, INC.
3611 South Harbor Boulevard, Suite 260
Santa Ana, CA 92704
Tel (714) 431-4100
Fax (714) 825-0685

CHAIN OF CUSTODY RECORD

Turn Around Time: 24hr TAT
Rush Authorized? YES / NO
Results Delivery: Phone / Fax / Hardcopy / Electronic

PAGE 1 OF _____

ASL 7887

PROJECT NUMBER: 80-00101.00
PROJECT NAME: TAMCO

SEND RESULTS AND INVOICE TO:
Project Manager: GUSTAVO VALDIVIA
Telephone: 714-431-4100
Fax:

LAB INFORMATION:
Name: A.S.L.
Address: ON FILE
Phone/Fax:

Sample Number	Sample Location	Collection Time	Collection Date	Matrix	Preserv.	# of Cont.	ANALYSIS REQUESTED: Hexavalent Chromium	TTLC	STLC	Remarks
O-1 51069	TAMCO	1215	05/08/00	SLAG	—	1	X			24hr TAT
O-2 51070		1225				1	X			
O-3 51071		1305				1	X			
O-4 51072		1308				1	X			
O-5 51073		1310				1	X			
O-6 51074		1314				1	X			
N-1 51075		1315				1	X			
N-2 51076		1319				1	X			
N-3 51077		1320				1	X			
N-4 51078		1322				1	X			
N-5 51079		1325				1	X			
N-6 51080		1330				1	X			
05-3 51081		1425	05/08/00	SLAG	—	1		XX		24hr TAT *

TOTAL NO. OF CONTAINERS (THIS SHIPMENT)
TOTAL NO. OF BOTTLES (THIS RECORD)

CHAIN OF CUSTODY

Collected by: (Print): DAVID RANDALL — Collector's Signature:
Relinquished by: — Date/Time:
Relinquished by: — Date/Time: 5/9/00 9:40
Method of Shipment:
Sample Condition Upon Receipt:

Received by: — Date/Time: 5/9/00 9:40
Received by: — Date/Time:
Received at Lab by: — Date/Time:

☐ Acceptable ☐ Other (explain)

Distribution: White = Project Manager; Yellow = Laboratory; Pink = Client; Gold = Project File

* PLEASE RUN TTLC AND STLC AT SAME TIME.

Sent By: AMER SCI LAB; 3232547799; May-1 0 12:44PM; Page 2/2

25071 Calle Arenal, Suite 100
Lake Forest, CA 92630
Telephone: (949) 586-5032
Fax: (949) 587-1666

The Leu Group

2nd

Fax

To:	Catherine Richards, R. E. H. S.	**From:**	David Leu
Fax:	(909) 387-4323	**Pages:**	7 with cover
Phone:	(909) 387-3041	**Date:**	5/15/00
Re:	TAMCO's Old vs. New Slag	**CC:**	

☑ **Urgent** ☑ **For Review** ☐ **Please Comment** ☑ **Please Reply** ☐ **Please File**

• **Comments**

Enclosed are a cover letter and the analytical data you requested recently regarding the old slag and new slag at TAMCO. Please review this at your earliest convenience and call me at either (949) 586-5032 (office) or (949) 636-1110 (cell). I will be in my office until 2 PM today.

Thanks,

Dave Leu

The information contained in this facsimile is confidential and may also be attorney-client privileged. The information is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by a collect telephone call to (949) 586-5032, and return the original message to us via the U.S. Postal Service. Thank You.

05/15/00 11:57A P.001 (949) 587-1666 The Leu Group

THE LEU GROUP

25071 Calle Arenal, Suite 100
Lake Forest, CA 92630
Telephone: (949) 586-5032
Fax: (949) 587-1666
Cell: (949) 636-1110
email: daveleu@home.com

May 15, 2000

Mrs. Catherine Richards, R. E. H. S.
San Bernardino County Fire Department
Hazardous Materials Division

Dear Mrs. Richards:

Enclosed you will find analytical information on the major elements contained in TAMCO's newly produced steel slag and the old steel slag that is currently being processed under the Remedial Action Plan (RAP) overseen by your agency. The major elements (elements with concentrations greater than 1% by weight) found in TAMCO's steel slag are aluminum, calcium, iron, magnesium, and manganese.

I have also included analytical information on the secondary elements found in this slag material. Those secondary elements are defined as non-heavy metal elements whose concentrations are below 1% by weight. The secondary elements are boron, phosphorus, potassium, silicon, sodium, and tin.

I am also including pH information that has been collected during the processing of the old slag. You had voiced an interest in seeing data that confirms our earlier analysis which showed that the old slag did not possess hazardous waste characteristics due to corrosivity.

The above referenced information is being sent to you in response to your recent request made during a telephone conversation that we had during the week of May 5, 2000. This data is meant to supplement the data already submitted to your agency regarding heavy metal concentrations. That data already shows that the new slag and the old slag being processed under the RAP are very similar and in all cases is nonhazardous. Additional data that is being collected throughout the project's duration will be sent to your agency in a project completion report.

Inspection of the enclosed element concentrations shows that the old slag and the new slag are very similar. The new slag has somewhat higher average major element concentrations of aluminum, calcium, magnesium, and manganese. The new slag has a somewhat higher average iron concentration. The minor element concentrations are also very similar with both the new slag and the old slag possessing very low concentrations (all secondary element average concentrations are below 1000 mg/kg).

The pH data taken from the old slag that is being managed under the RAP shows that it is very consistent. Both the clean slag that was being used as cover material and the slag that is being processed by the RDSS unit possess pH values that fall within the narrow range of 11.12 to 11.54. This is below the corrosivity characteristic threshold value of 12.5.

Based upon the similar analytical characteristics of the new and the old slag, I request that you verbally contact me at your earliest convenience to discuss this information. TAMCO is anxious to get your permission to have TXI (Riverside Cement) crush the clean old slag at TAMCO's facility and send it to TXI's Oro Grande facility. TXI will be using the slag as an iron source in the manufacturing of cement. While we recognize this is a modification to the RAP, we feel that it is a minor modification. The RAP

05/15/00 11:57A P.002 (949) 587-1666 the leu group

states that the old slag, once processed and shown to be clean, would be given to Olympic Mills for onsite crushing. Olympic Mills currently is crushing and sizing the new slag produced by TAMCO and sends that material to TXI as an iron source in the manufacturing of cement. Under the proposed modification, TXI will bring to TAMCO's facility a crushing plant that it will directly use to crush the old slag that is clean. This plant has its own South Coast Air Quality Management District permit. Thus, the only change in the RAP is that TXI will be doing the crushing at TAMCO's facility instead of Olympic Mills.

Because we are producing up to 1000 tons a day of clean old slag, storage of this slag is becoming problematic to TAMCO. The expanding area of their facility that is needed to store this slag is decreasing the area they require to store the steel scrap that is the feedstock to their steel making process. With that in mind, I am requesting that you review the enclosed information and, if it meets your approval, please contact me to verbally approve the above stated change to the RAP.

If you have any questions regarding this request or the information contained herein, please contact either Leonard Robinson (TAMCO) or myself. I may be reached at the telephone number on the letterhead.

Sincerely,

David J. Leu, Ph. D.
President

Cc: Leonard Robinson (TAMCO)
Gustavo Valdivia (Clayton)

Attachments (4)

05/15/00 11:57A P.004
(949) 587-1666
The Leu Group

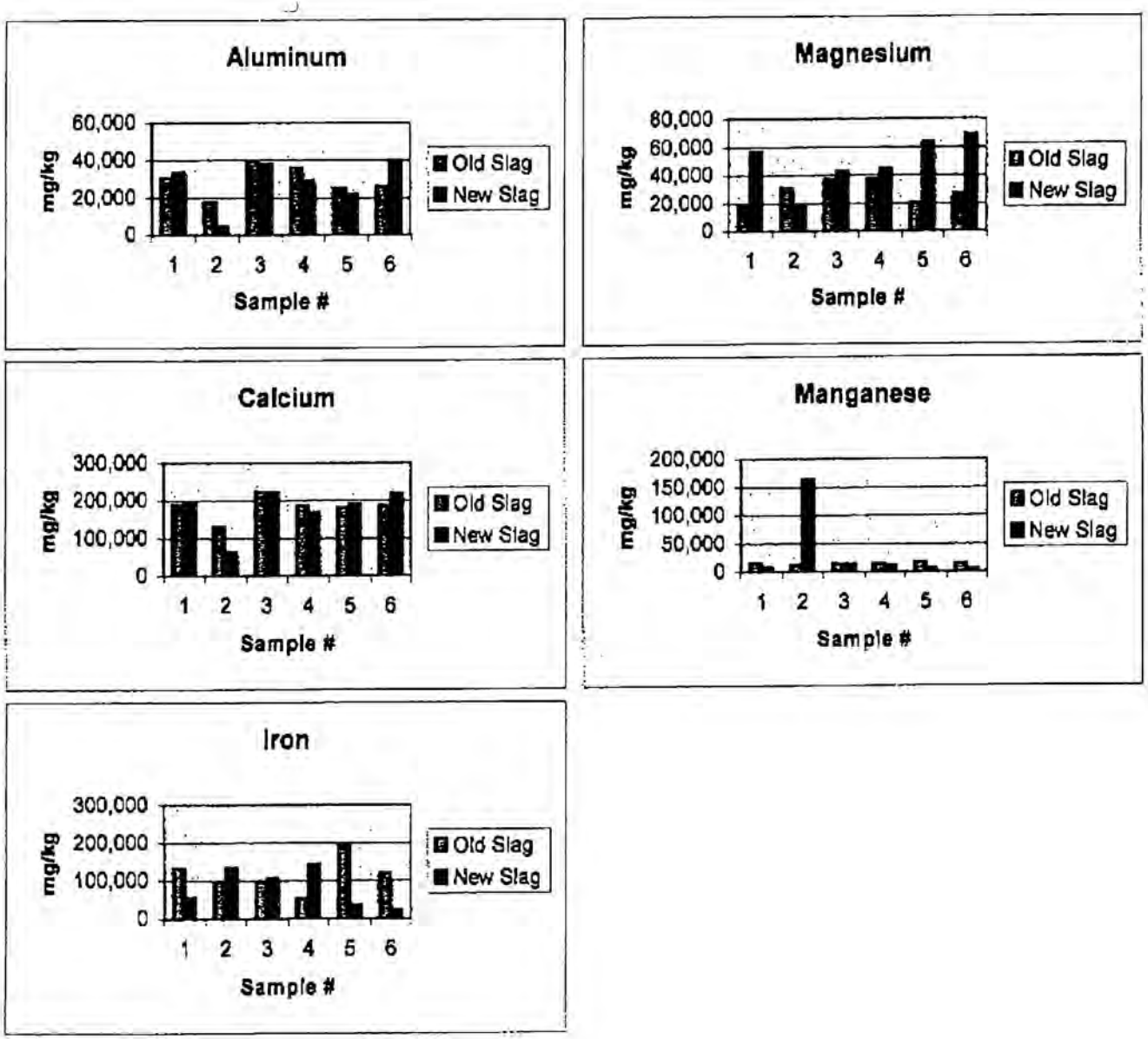
TAMCO STEEL FACILITY
MAJOR AND SECONDARY ELEMENT CONCENTRATIONS IN SLAG, mg/kg
EPA METHOD 6010B

Sample No.	Aluminum	Boron	Calcium	Iron	Magnesium	Manganese	Phosphorus	Potassium	Silicon	Sodium	Tin
O-1	30,400	375	188,000	132,000	19,000	14,500	785	218	337	1,010	8.83
O-2	17,600	184	131,000	94,600	30,400	10,700	426	209	375	603	8.38
O-3	39,600	337	221,000	94,800	37,000	13,300	354	195	361	720	2.50
O-4	36,000	394	186,000	51,400	37,600	14,000	304	274	400	1,060	2.50
O-5	25,000	186	180,000	192,000	19,900	17,000	760	206	308	910	8.71
O-6	25,700	280	186,000	118,000	26,600	14,000	634	245	345	806	5.88
Max	39,600	394	221,000	192,000	37,600	17,000	785	274	400	1,060	9
Min	17,600	184	131,000	51,400	19,000	10,700	304	195	308	603	2.5
Ave	**29,050**	**293**	**182,000**	**113,800**	**28,417**	**13,917**	**544**	**225**	**354**	**852**	**6**
N-1	33,600	171	195,000	54,900	56,500	7,000	335	53.4	289	569	85.8
N-2	4,740	155	62,100	133,000	18,900	163,000	67.2	12.5	349	268	14.2
N-3	38,100	303	221,000	106,000	42,300	13,000	451	242	310	1,460	20.1
N-4	28,800	221	168,000	143,000	44,800	10,400	570	100	360	1,130	22.6
N-5	22,000	235	191,000	34,700	63,300	7,000	121	158	435	697	5.75
N-6	39,900	266	218,000	22,500	68,600	5,110	72	131	336	548	5.33
Max	39,900	303	221,000	143,000	68,600	163,000	570	242	435	1,460	86
Min	4,740	155	62,100	22,500	18,900	5,110	67	12.5	289	268	5
Ave	**27,857**	**225**	**176,850**	**82,350**	**49,067**	**34,252**	**269**	**116**	**347**	**779**	**26**

Old Slag is represented by sample numbers that begin with an "O".
New Slag is represented by sample numbers that begin with an "N".

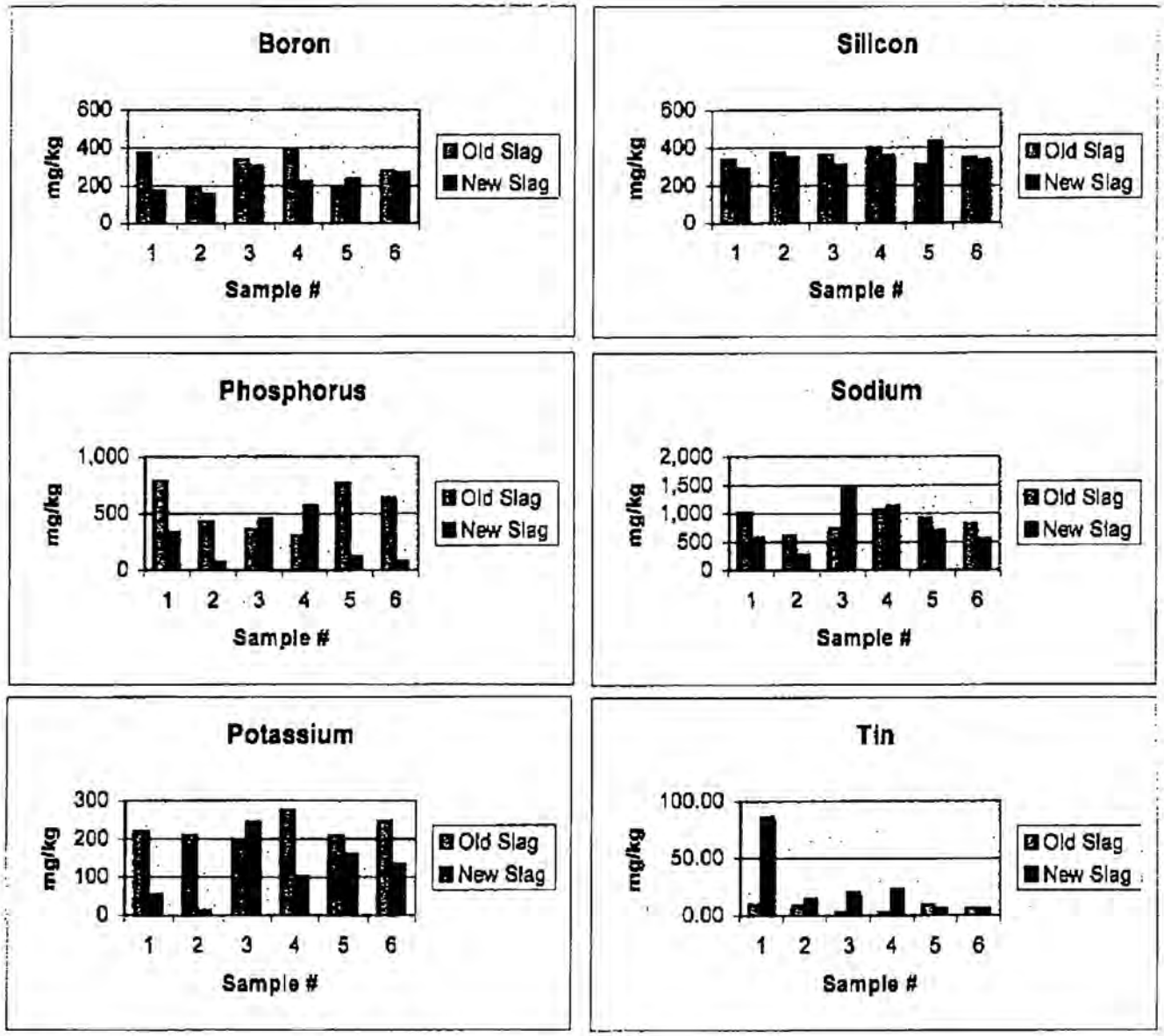
The Leu Group (949) 587-1666 05/15/00 11:57A P.005

TAMCO STEEL FACILITY
COMPARISON OF MAJOR ELEMENT CONCENTRATIONS
BETWEEN OLD AND NEW SLAG



05/15/00 11:57A P.006
(949) 587-1666
The Leu Group

TAMCO STEEL FACILITY
COMPARISON OF SECONDARY ELEMENT CONCENTRATIONS BETWEEN OLD AND NEW SLAG



TAMCO STEEL FACILITY
pH RESULTS FROM OLD SLAG MATERIAL

Sample No.	Sample Description	Lab Job	Lab No	pH
TM042600-4	Treated material	7873	50535	11.29
TM-5	Treated material	7941	50805	11.54
TM-6	Treated material	7941	50807	11.54
TM-7	Treated material	7948	50873	11.18
C426-12	Clean Oversize Slag	7873	50537	11.12
C501-13	Clean Oversize Slag	7941	50806	11.34

The Leu Group (949) 587-1666 05/15/00 11:57A P.007

25071 Calle Arenal, Suite 100
Lake Forest, CA 92630
Telephone: (949) 586-5032
Fax: (949) 587-1666

The Leu Group

1ST

Fax

To:	Catherine Richards, R. E. H. S.	**From:**	David Leu
Fax:	(909) 387-4323	**Pages:**	7 with cover
Phone:	(909) 387-3041	**Date:**	5/15/00
Re:	TAMCO's Old vs. New Slag	**CC:**	

☑ **Urgent** ☑ **For Review** ☐ **Please Comment** ☑ **Please Reply** ☐ **Please File**

• **Comments**

Enclosed are a cover letter and the analytical data you requested recently regarding the old slag and new slag at TAMCO. Please review this at your earliest convenience and call me at either (949) 586-5032 (office) or (949) 636-1110 (cell). I will be in my office until 2 PM today.

Thanks,

Dave Leu

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THE LEU GROUP

25071 Calle Arenal, Suite 100
Lake Forest, CA 92630
Telephone: (949) 586-5032
Fax: (949) 587-1666
Cell: (949) 636-1110
email: daveleu@home.com

May 15, 2000

Mrs. Catherine Richards, R. E. H. S.
San Bernardino County Fire Department
Hazardous Materials Division

Dear Mrs. Richards:

Enclosed you will find analytical information on the major elements contained in TAMCO's newly produced steel slag and the old steel slag that is currently being processed under the Remedial Action Plan (RAP) overseen by your agency. The major elements (elements with concentrations greater than 1% by weight) found in TAMCO's steel slag are aluminum, calcium, iron, magnesium, and manganese.

I have also included analytical information on the secondary elements found in this slag material. Those secondary elements are defined as non-heavy metal elements whose concentrations are below 1% by weight. The secondary elements are boron, phosphorus, potassium, silicon, sodium, and tin.

I am also including pH information that has been collected during the processing of the old slag. You had voiced an interest in seeing data that confirms our earlier analysis which showed that the old slag did not possess hazardous waste characteristics due to corrosivity.

The above referenced information is being sent to you in response to your recent request made during a telephone conversation that we had during the week of May 5, 2000. This data is meant to supplement the data already submitted to your agency regarding heavy metal concentrations. That data already shows that the new slag and the old slag being processed under the RAP are very similar and in all cases is nonhazardous. Additional data that is being collected throughout the project's duration will be sent to your agency in a project completion report.

Inspection of the enclosed element concentrations shows that the old slag and the new slag are very similar. The new slag has somewhat higher average major element concentrations of aluminum, calcium, magnesium, and manganese. The new slag has a somewhat higher average iron concentration. The minor element concentrations are also very similar with both the new slag and the old slag possessing very low concentrations (all secondary element average concentrations are below 1000 mg/kg).

The pH data taken from the old slag that is being managed under the RAP shows that it is very consistent. Both the clean slag that was being used as cover material and the slag that is being processed by the RDSS unit possess pH values that fall within the narrow range of 11.12 to 11.54. This is below the corrosivity characteristic threshold value of 12.5.

Based upon the similar analytical characteristics of the new and the old slag, I request that you verbally contact me at your earliest convenience to discuss this information. TAMCO is anxious to get your permission to have TXI (Riverside Cement) crush the clean old slag at TAMCO's facility and send it to TXI's Oro Grande facility. TXI will be using the slag as an iron source in the manufacturing of cement. While we recognize this is a modification to the RAP, we feel that it is a minor modification. The RAP

states that the old slag, once processed and shown to be clean, would be given to Olympic Mills for onsite crushing. Olympic Mills currently is crushing and sizing the new slag produced by TAMCO and sends that material to TXI as an iron source in the manufacturing of cement. Under the proposed modification, TXI will bring to TAMCO's facility a crushing plant that it will directly use to crush the old slag that is clean. This plant has its own South Coast Air Quality Management District permit. Thus, the only change in the RAP is that TXI will be doing the crushing at TAMCO's facility instead of Olympic Mills.

Because we are producing up to 1000 tons a day of clean old slag, storage of this slag is becoming problematic to TAMCO. The expanding area of their facility that is needed to store this slag is decreasing the area they require to store the steel scrap that is the feedstock to their steel making process. With that in mind, I am requesting that you review the enclosed information and, if it meets your approval, please contact me to verbally approve the above stated change to the RAP.

If you have any questions regarding this request or the information contained herein, please contact either Leonard Robinson (TAMCO) or myself. I may be reached at the telephone number on the letterhead.

Sincerely,

David J. Leu, Ph. D.
President

Cc: Leonard Robinson (TAMCO)
Gustavo Valdivia (Clayton)

Attachments (4)

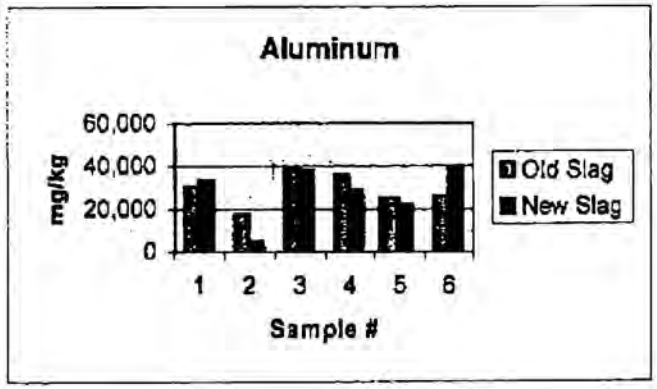
TAMCO STEEL FACILITY
MAJOR AND SECONDARY ELEMENT CONCENTRATIONS IN SLAG, mg/kg
EPA METHOD 6010B

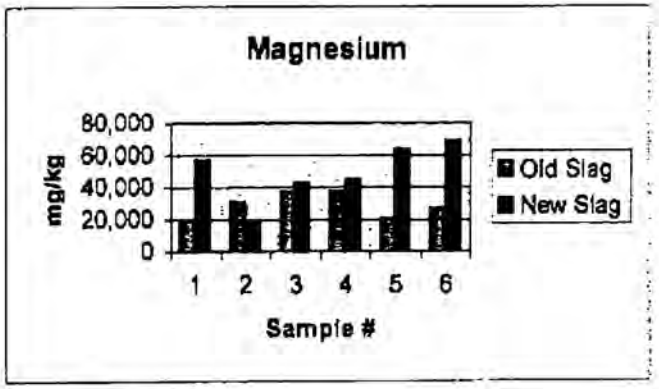
Sample No.	Aluminum	Boron	Calcium	Iron	Magnesium	Manganese	Phosphorus	Potassium	Silicon	Sodium	Tin
O-1	30,400	375	188,000	132,000	19,000	14,500	785	218	337	1,010	8.83
O-2	17,600	184	131,000	94,600	30,400	10,700	426	209	375	603	8.38
O-3	39,600	337	221,000	94,800	37,000	13,300	354	195	361	720	2.50
O-4	36,000	394	186,000	51,400	37,800	14,000	304	274	400	1,060	2.50
O-5	25,000	186	180,000	192,000	19,900	17,000	760	206	308	910	8.71
O-6	25,700	280	186,000	118,000	26,600	14,000	634	245	345	806	5.88
Max	39,600	394	221,000	192,000	37,800	17,000	785	274	400	1,060	9
Min	17,600	184	131,000	51,400	19,000	10,700	304	195	308	603	2.5
Ave	**29,050**	**293**	**182,000**	**113,800**	**28,417**	**13,917**	**544**	**225**	**354**	**852**	**6**
N-1	33,600	171	195,000	54,900	58,500	7,000	335	53.4	289	569	85.8
N-2	4,740	155	62,100	133,000	18,900	163,000	67.2	12.5	349	268	14.2
N-3	38,100	303	221,000	106,000	42,300	13,000	451	242	310	1,460	20.1
N-4	28,800	221	168,000	143,000	44,800	10,400	570	100	360	1,130	22.6
N-5	22,000	235	191,000	34,700	63,300	7,000	121	158	435	697	5.75
N-6	39,900	266	218,000	22,500	68,600	5,110	72	131	336	548	5.33
Max	39,900	303	221,000	143,000	68,600	163,000	570	242	435	1,460	86
Min	4,740	155	62,100	22,500	18,900	5,110	67	12.5	289	268	5
Ave	**27,857**	**225**	**175,850**	**82,350**	**49,067**	**34,252**	**269**	**116**	**347**	**779**	**26**

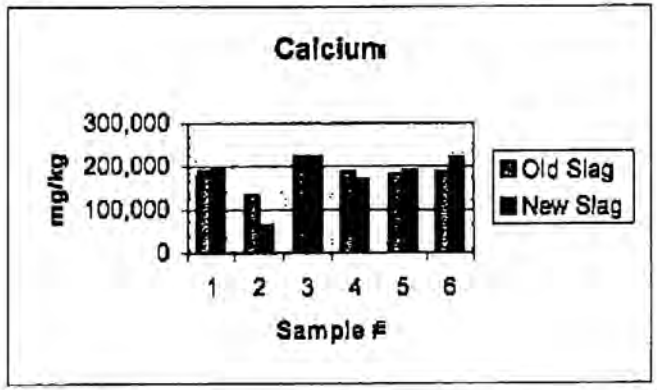
Old Slag is represented by sample numbers that begin with an "O".
New Slag is represented by sample numbers that begin with an "N".

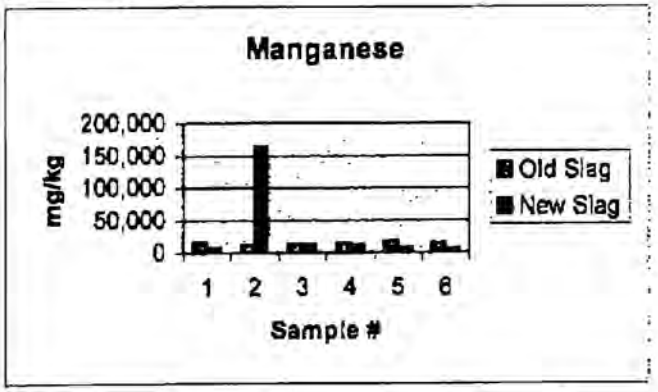
The Lew Group (949) 587-1666 05/15/00 09:53A P.004

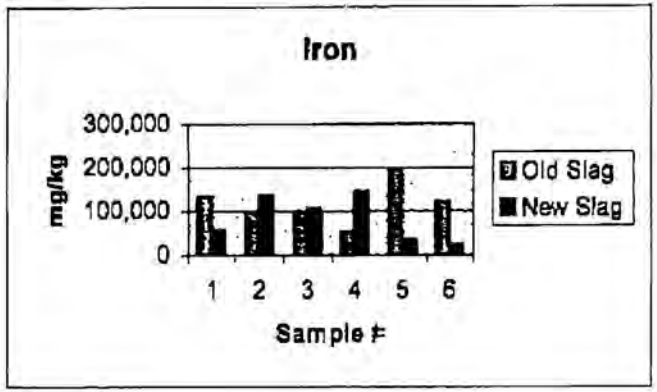
TAMCO STEEL FACILITY
COMPARISON OF MAJOR ELEMENT CONCENTRATIONS BETWEEN OLD AND NEW SLAG





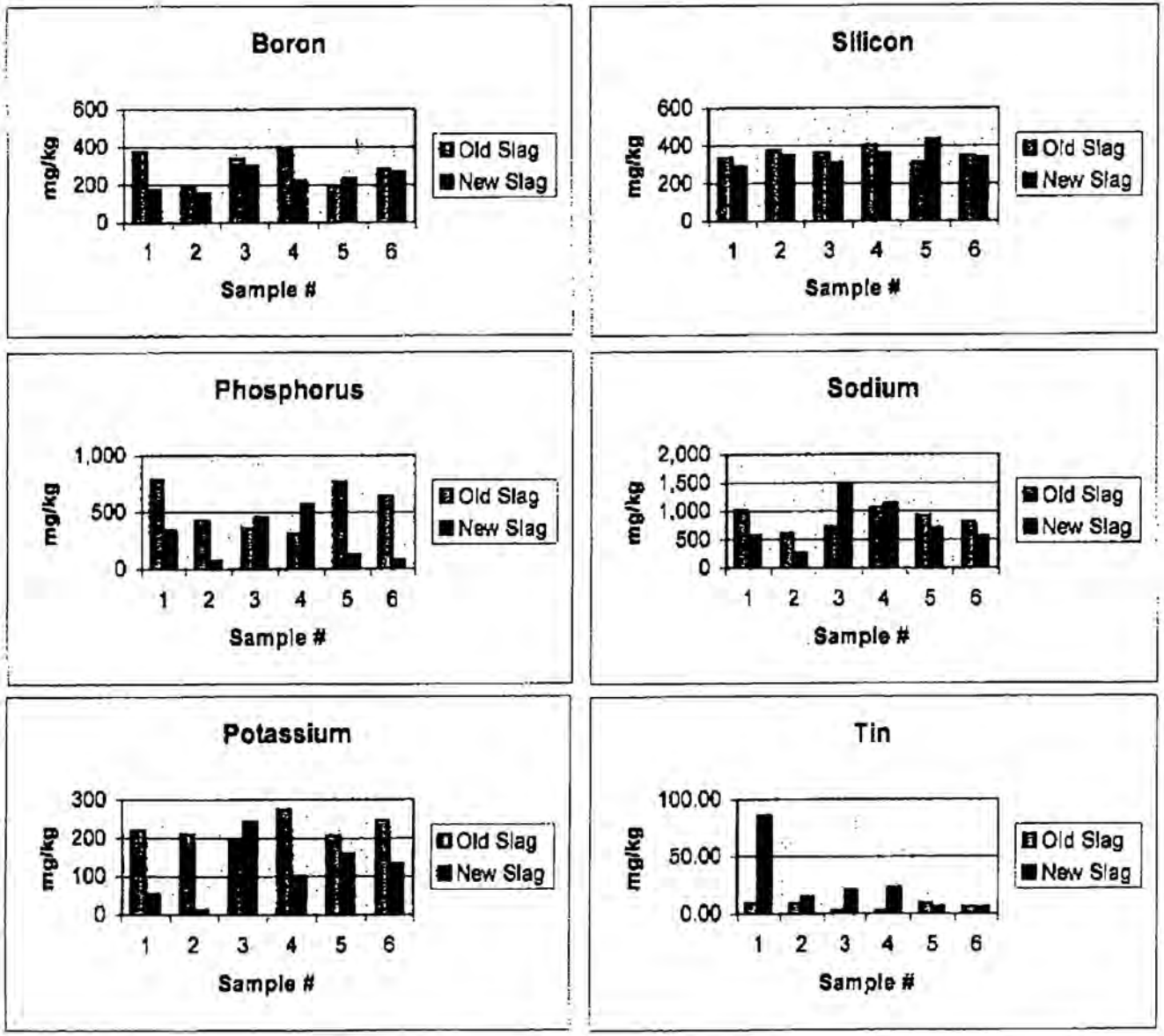






The Leu Group (949) 587-1666 05/15/00 09:53A P.005

TAMCO STEEL FACILITY
COMPARISON OF SECONDARY ELEMENT CONCENTRATIONS BETWEEN OLD AND NEW SLAG



The Lew Group (949) 587-1666 05/15/00 09:53A P.006

TAMCO STEEL FACILITY
pH RESULTS FROM OLD SLAG MATERIAL

Sample No.	Sample Description	Lab Job	Lab No	pH
TM042600-4	Treated material	7873	50535	11.29
TM-5	Treated material	7941	50805	11.54
TM-6	Treated material	7941	50807	11.54
TM-7	Treated material	7948	50873	11.18
C428-12	Clean Oversize Slag	7873	50537	11.12
C501-13	Clean Oversize Slag	7941	50806	11.34

The Leu Group (949) 587-1666 05/15/00 09:53A P.007

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT/
PUBLIC SERVICES GROUP

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

PETER R. HILLS
Fire Chief
County Fire Warden

October 6, 2006

TAMCO
12459-B Arrow Highway
Rancho Cucamonga, CA 91739

SUBJECT: UNDERGROUND STORAGE TANK REMOVAL FOR TAMCO 12459-B ARROW HIGHWAY RANCHO CUCAMONGA, CA.

The Department has received the sample results and closure report submitted by Sharp Environmental Technologies, Inc. on 09/27/06. After review of the report prepared by you or your agent, it has been determined that the extent of contamination, or lack thereof, would indicate that no further investigation is warranted at this time.

It is important to note that this letter cannot be construed as a release of liability for the site or declaration that the site is free from contamination. Should further projects or environmental investigations reveal additional contaminants on site, you will be responsible and held liable for the investigation and remedial actions.

If you have any questions, please call (909) 386-8464.

Jackson Crutsinger

JACKSON CRUTSINGER, R.E.H.S., R.H.S.P
HAZARDOUS MATERIAL SPECIALIST III
HAZARDOUS MATERIALS DIVISION
SITE REMEDIATION/LOCAL OVERSIGHT PROGRAMS

JC/cw

cc: Sharp Environmental Technologies, Inc.

MARK H. UFFER
County Administrative Officer
NORMAN A. KANOLD
Assistant County Administrator
Economic Development/
Public Services Group

Board of Supervisors
BILL POSTMUS ..... First District
PAUL BIANE ..... Second District
DENNIS HANSBERGER ..... Third District
GARY C. OVITT ..... Fourth District
JOSIE GONZALES ..... Fifth District

CUPA
San Bernardino County Fire Departr
HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION
385 N. Arrowhead Ave., 2nd Floor, San Bernardino, CA 92415-0153 • (909) 387-3080 FAX (909) 387-4323

UNDERGROUND STORAGE TANK REMOVAL INSPECTION FORM

DATE: 5/31/06 TIME: 10:00 am LOG #

FACILITY NAME: Tamco Steel

LOCATION: 12459 Arrow Hwy., Rancho Cucamonga

CONTRACTOR: ECI, Dino Rodriguez

INSPECTORS PRESENT
HAZMAT Jackson Crutsinger FIRE Ron Nee, City R.C.
AQMD OTHER Mathew Salali, Tamco

	QUANTITY	HAULER	DESTINATION
TRIPLE RINSATE		ECI	Demenno Kerdoon
TANKS	2	ECI	Tamco

DEGASSING CONTRACTOR ECI

MANIFEST # SCAQMD REFERENCE # DRY ICE USED (25 # / 1000 g) 600 lbs

NOTES:

LEL 0% O_2 20.9%

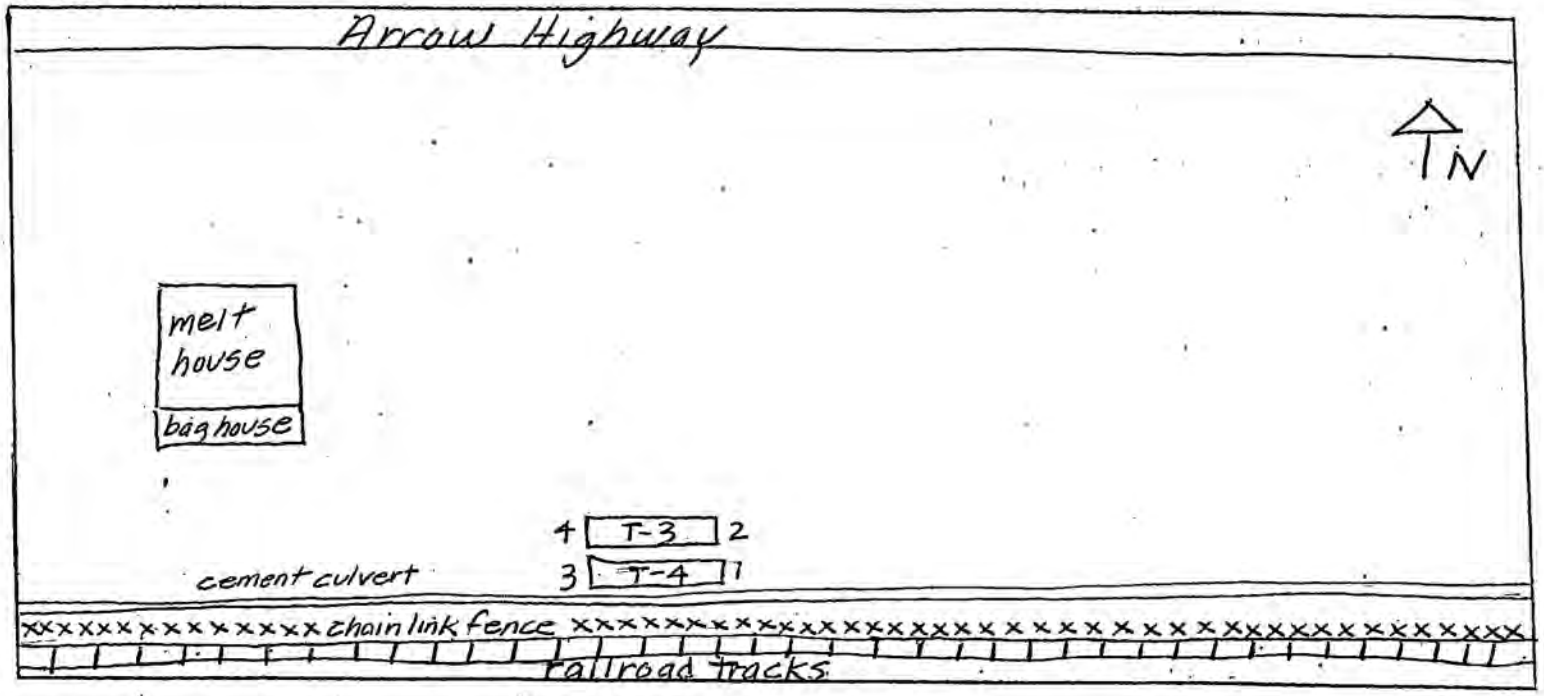
Verbal OK to backfill

removal of 2 remaining slurried tanks. (see 5/5/06 removal inspection report)

urs:_____ Page 1

TANK #	SIZE	MATERIAL HELD	UL #	APPEARANCE (RUSTY, HOLED, SOUND, ETC.)
T-3	12K	diesel		sound
T-4	12K	diesel		sound

ACILITY MAP:



SAMPLE #	DATE/ TIME	DESCRIPTION (soil / odor)	LOCATION	DEPTH	EPA TEST # 'S
1) TM5	12:18	fine silty sand no odor	T-4 east end	16 ft.	8015, 8260, Pb
2) TM6	12:22	" " " "	T-3 east end	16 ft.	" " "
3) TM7	12:47	" " " "	T-4 west end	16 ft.	" " "
4) TM8	12:50	" " " "	T-3 west end	16 ft.	" " "
5)					
6)					
7)					
8)					
9)					
10)					

SAMPLES TAKEN BY James Guillen LABORATORY Envirochem

CONTAINER glass jars LABELS yes SPLITS yes HEADSPACE 0 SEALS no

REFRIGERATED yes CHAIN OF CUSTODY yes OTHER Pb highest TPH or 1 sample minimum

REQUIRED EPA TESTS:
Gasoline: 8020 (BTEX) or 8021B, 8015 (TRPH - modified for gas) & MTBE
Diesel: 8020 (BTEX) or 8021B, 8015 (TRPH - modified for diesel) & MTBE
Solvents/HVO's: 8010 or 8021B
Waste Oil: 418.1 (with 8010 or 8021B if solvents are suspect) & CAM 17 for metals
Metals: 7030 (Cd), 7190 (Cr), 7950 (Zn), 7420 or 6010 (Pb), 7080 (As), 8080 (PCB), 9010 (CN's) OR CAM 17
Pesticides: 8080 (organo-Cl's), 8140 (N & P containing)

USTs ≥1000 gal. require a minimum of 2 samples. One from the fill end and one from the turbine end. Also, a sample from the dispenser should be taken. Samples should be taken from at least 2' below native soil (not fill). If dis-coloration is noted in sidewalls, take samples there. And sample stockpiles if contamination is suspect. For piping, samples should be taken every 20' & at major connections.

CUPA
San Bernardi ounty Fire Department • Hazardous M ials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

UNDERGROUND STORAGE TANK REMOVAL INSPECTION FORM

DATE: 5-5-06 TIME: 9:00 LOG # _____

FACILITY NAME: TAMCO

LOCATION: 12459 Arrow, Rancho Cucamonga

CONTRACTOR: ECi - Dino Rodriguez

INSPECTORS PRESENT
HAZMAT C Brundage FIRE _____
AQMD _____ OTHER _____

	QUANTITY	HAULER	DESTINATION
TRIPLE RINSATE			
TANKS			

DEGASSING CONTRACTOR _____

MANIFEST # _____ SCAQMD REFERENCE # _____ DRY ICE USED (25 # / 1000 g) # 25D/TANK

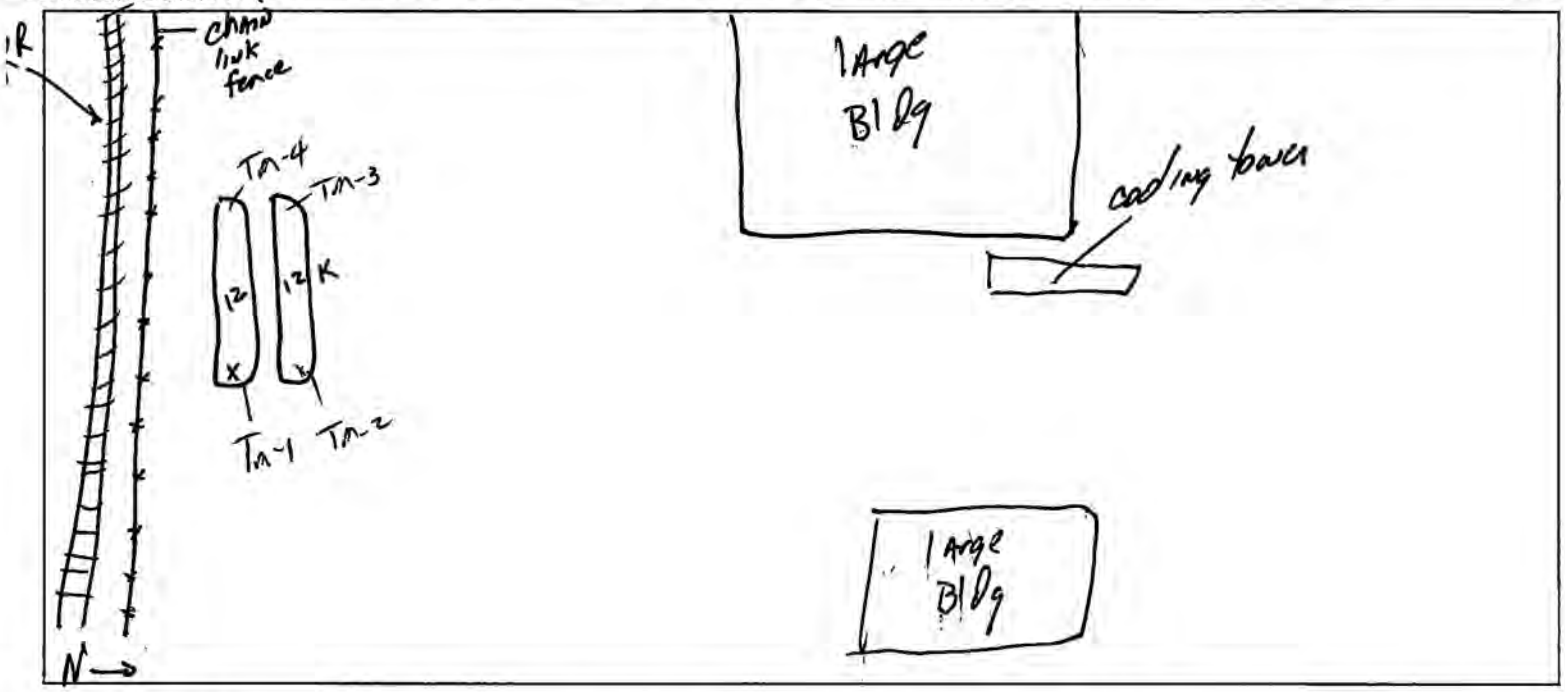
NOTES:

* TAMCO discovered 4 USTs at the southern edge of the property just north of the railroad tracks. The tanks are filled with slurry and need to be removed and then the slurry will be broken up inside the tanks and disposed. Due to the tanks being so close to the "drainage culvert" + other obstructions, the tanks will be removed on two separate days. Also, tank had to be "hot" cut in order to remove them. This caused additional safety precautions to be enacted. No evidence of contamination. CB

Hours: _____ Page ___/___

TANK #	SIZE	MATERIAL HELD	UL #	APPEARANCE (RUSTY, HOLED, SOUND, ETC.)
1	12K	fuel oil	unknown	rusty
2	12K	" "		

FACILITY MAP:



SAMPLE #	DATE/ TIME	DESCRIPTION (soil / odor)	LOCATION	DEPTH	EPA TEST # 'S
1) Tm-1	11:41	Tan/reddish/no odor	fill end	16' BGS	8015 fuel screen, 8260B
2) Tm-2	11:55	" " "	" "	16' BGS	" " "
3) Tm-3	12:05	" " "	@ no turbine	16' BGS	" " "
4) Tm-4	12:12	" " "	no turbine		
5)					
6)					
7)					
8)					
9)					
10)					

SAMPLES TAKEN BY Dino Rodriguez - Eci LABORATORY Enviechem

CONTAINER glass LABELS yes SPLITS n/o HEADSPACE none SEALS

REFRIGERATED yes CHAIN OF CUSTODY yes OTHER

REQUIRED EPA TESTS:
Gasoline: 8020 (BTEX) or **8021B** , 8015 (TRPH - modified for gas) & MTBE
Diesel: 8020 (BTEX) or **8021B** , 8015 (TRPH - modified for diesel) & MTBE
Solvents/HVO's: 8010 or **8021B**
Waste Oil: 418.1 (with 8010 or **8021B** if solvents are suspect) & CAM 17 for metals
Metals: 7030 (Cd), 7190 (Cr), 7950 (Zn), 7420 or 6010 (Pb), 7080 (As), 8080 (PCB), 9010 (CN's) **OR** CAM 17
Pesticides: 8080 (organo-Cl's), 8140 (N & P containing)

USTs ≥1000 gal. require a minimum of 2 samples. One from the fill end and one from the turbine end. Also, a sample from the dispenser should be taken. Samples should be taken from at least 2' below native soil (not fill). If discoloration is noted in sidewalls, take samples there. And sample stockpiles if contamination is suspect. For piping, samples should be taken ± every 20' & at major connections.

Note: Methods 8020 and 8010 were deleted in SW846 -III and combined as 8021B. Also, 8260B may be used in place of 8021B for more accurate analyses when sampling for potential legal actions.

WORK PLAN FOR
TANK REMOVAL

ECI Project No.

TAMCO STEEL
12459-B Arrow Hwy
Rancho Cucamonga, Ca 91739

Prepared For:
TAMCO Steel
12459 Arrow Hwy
Rancho Cucamonga, Ca 91759

Prepared By:
Ecology Control Industries
19500 Normandie Avenue
Torrance, CA 90502

March 28, 2006

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1.0 INTRODUCTION *1*

1.1 Background 1

1.2 SCOPE of Work 1

2.0 FIELD ACTIVITIES *1*

2.1 Soil Sampling Locations 2

3.0 LABORATORY ANALYSIS *2*

4.0 RECORD KEEPING *2*

5.0 HEALTH AND SAFETY *2*

6.0 PLAN AMENDMENTS *2*

7.0 REPORTING *3*

1.0 INTRODUCTION

This Work Plan discusses procedures for the removal of 4 12,000 gal underground fuel storage tanks at the TAMCO Steel facility in the City of Rancho Cucamonga.

Specifically, this Work Plan describes the procedures for the field activities to be performed to remove the 4 tanks 2 at a time.

1.1 Background

The TAMPO Steel facility is located at 12459-B Arrow Hwy in the city of Rancho Cucamonga. The facility is used for recycling metal and the 4 fuel storage tanks contained fuel oil used to heat furnaces used in the process of melting steel. The tanks are no longer in use and needs to be closed by removal.

1.2 Scope of Work

ECI will perform the following scope of work to accomplish the project objectives:

- Permit through the County of San Bernardino Fire Dept. The removal of 4 12,000 gal fuel storage tanks.
- Remove remanding liquid from tanks and properly dispose of.
- Excavate for removal of the 2 western tanks (Note Drawing) and leave the 2 eastern tanks covered to be removed the following week.
- Cut openings at the top of the tanks for cleaning
- The 2 western tanks will be removed with a crane and the tanks will stay on site to be recycled by TAMCO Steel.
- Soil samples will be collected from under the tanks and Analyzed for TPH
- Excavation will be backfilled with clean fill dirt on site.
- The same procedures will be completed for the 2 eastern tanks upon completion of backfilling the 2 western tanks.

2.0 FIELD ACTIVITIES

Field activities will include the collection of soil samples to be included in a tank closure along with all tank documentation and field activities.

2.1 Soil Sampling Locations

A total of 8 soil samples will be collected from under the tanks. 1 sample at each end of each tank will be analyzed TPH using EPA Method 8015, along with any analysis requested by the County Fire inspector.

3.0 LABORATORY ANALYSIS

Soil samples collected will be maintained, prepared and analyzed according to Test Methods for Evaluating Solid Waste, (SW-846), Third Edition, Update #4A, May 1998. The laboratory analysis will be performed in a laboratory that is certified by the State of California Department of Health Services.

The soil samples will be analyzed for Total Petroleum Hydrocarbons as diesel (TPH) by EPA Method 8015.

4.0 RECORD KEEPING

ECI will maintain records of all field activities including personnel, time and dates of activities, types of activities performed and site conditions throughout the project. A tailgate safety meeting will be held and documented with the meeting time, personnel present and subjects recorded in the logbook..

5.0 HEALTH AND SAFETY

ECI personnel will follow and abide by the provisions and procedures as described in the Daley tail safety meetings. Level D protection is anticipated for the work areas.

6.0 PLAN AMENDMENTS

Amendments to this work plan may be implemented as additional site information is gathered. The amendments, if any, to the work plan may include additional removal of impacted soil delineated from soil sampling, removal of other objects and special considerations in the event that the removal of impacted soil creates unstable conditions

to surrounding structures, transportation structures or off-site property. All changes will be documented and recorded with the information presented to TAMCO Steel.

7.0 REPORTING

Upon completion of the fieldwork and receipt of laboratory analysis, ECI will prepare and submit a soil assessment report. This will include:

- Vicinity and site maps;
- Field observations and procedures;
- Boring logs and organic vapor readings;
- Analytical methods, results, and chain of custody documentation;
- Regional geology; and
- Conclusions and recommendations.



Work plan completed by
Ecology Control Industries

Dino Rodriguez REA-1
Project Mgr.

UST file

RECEIVED
OCT 03 2006
S.B. CO. FIRE DEPT.

UNDERGROUND STORAGE TANK CLOSURE REPORT

TAMCO
12459-B Arrow Highway
Rancho Cucamonga, California 91739

San Bernardino County Facility ID # FA 6582
City of Rancho Cucamonga Case # PMT2006-02038

Prepared For:
Ecology Control Industries
10680 Silicon Avenue
Montclair, California 91763

Prepared By:
Sharp Environmental Technologies, Inc.
746 W. 17th Street
San Pedro, California 90731

September 27, 2006

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	2.2 Soil Sampling	1
3.0	SITE GEOLOGY AND HYDROGEOLOGY	3
4.0	LABORATORY ANALYSIS	4
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5.0	CONCLUSIONS AND RECOMMENDATIONS	5
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Table 1 - Soil Analytical Results of TPH-Carbon Chain and Volatile Organic Compounds Sampled on May 5 and 31, 2006

FIGURES

Figure 1 - Vicinity Map
Figure 2 - Site Plan

APPENDICES

Appendix A - UST Removal Permits
Appendix B - Uniform Hazardous Waste Manifests
Appendix C - Marine Chemist Certification
Appendix D - Laboratory and Quality Assurance/Quality Control (QA/QC) Reports and Chain-of-Custody Records

EXECUTIVE SUMMARY

Ecology Control Industries (ECI) was contracted to remove four (4) underground storage tanks (USTs) at the TAMCO facility located at 12459-A Arrow Highway, Rancho Cucamonga, California.

Under permit from the County of San Bernardino Fire Department, ECI removed the USTs from the excavation with TAMCO recycling the USTs on-site at their facility. Laboratory analytical results of eight soil samples collected beneath the former 4 12,000-gallon USTs indicated concentrations of Total Petroleum Hydrocarbons – Carbon Chain and Volatile Organic Compounds below laboratory detection limits.

Approximately 18,600 gallons of rinsate and UST contents were removed from the USTs as part of the UST cleaning. Solids present in the USTs were removed from the USTs after the tops of the USTs were cut off for access. Approximately 120 tons of solids were removed from inside the USTs with the material loaded and transported to TPST Soil Recyclers of California located in Adelanto, California for recycling. TAMCO provided soil on-site for use as backfill. The UST excavation was backfilled following the removal of the USTs.

Based on the findings of this report and the analytical results presented by an independent California certified laboratory, SET recommends the site be granted closure.

1.0 INTRODUCTION

This report summarizes underground storage tank (UST) closure operations completed at the TAMCO facility located at 12459-B Arrow Highway in Rancho Cucamonga, California. Refer to ***Figure 1*** for a site vicinity map of the subject area.

The site is owned and operated by TAMCO Steel. Ecology Control Industries (ECI) was contracted to remove four (4) 12,000-gallon diesel/fuel oil USTs at the above referenced site. The approximate location of the former USTs are shown on ***Figure 2***.

ECI performed the removal in accordance with San Bernardino County Fire Department (SBCFD) guidelines. In addition, ECI received a permits from SBCFD and the city of Rancho Cucamonga to remove the four underground storage tanks (USTs). Refer to ***Appendix A*** for copies of these permits.

2.0 FIELD ACTIVITIES

2.1 UST REMOVAL OPERATIONS

The four USTs were cleaned and rinsed on March 30, April 10 & 11 and May 24, 2006. A copy of the Uniform Hazardous Waste Manifests for the approximately 18,600 gallons of rinsate and UST liquids from the USTs are included as ***Appendix B***. On May 5, 2006, ECI began excavation of the USTs by exposing the USTs with an excavator. Two of the USTs were removed from the excavation and soil samples collected beneath the two USTs on May 5, 2006. The two other USTs were removed on May 31, 2006 and soil samples collected beneath these two other USTs on the same date. The solids present in the USTs were removed after the USTs had been removed from the excavation and prior to inspection of the tank atmospheres by a marine chemist. A marine chemist inspected the UST and certified it safe for transport on June 9, 2006. The UST atmosphere was monitored to demonstrate that satisfactory lower explosive limits (LEL), hydrogen sulfide and total oxygen content levels were achieved. For the marine chemist certification refer to ***Appendix C***. All excavated soil was stockpiled near the excavation. On June 14, 19 and 21, 2006, ECI transported approximately 120 tons of solids removed from within USTs to TPST Soil Recyclers of CA located in Adelanto, California in roll-off bins. Manifests for the solids removed from the four USTs are provided in ***Appendix B***.

2.2 SOIL SAMPLING

Upon completion of UST removal operations, a total of eight (8) soil samples, one from each end of each of the four USTs were collected. Four soil samples collected on May 5, 2006 and four samples collected on May 31, 2006 were delivered to a state of California certified laboratory for analysis. The approximate location where the soil samples were collected are shown on ***Figure 2***.

The soil samples were packaged in 8 oz. Qorpak glass jars, sealed with Teflon® lined plastic lids, labeled and stored on ice in a cooler at 4 degrees Celsius (°C). The samples were immediately delivered to a state certified analytical laboratory for testing. Refer to ***Appendix D*** for a copy of laboratory and quality assurance/quality control (QA/QC) reports and chain-of-custody records. All sampling activities were performed under the direction of a California professional geologist.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

The site is located within the San Bernardino Valley, which marks the boundary between the Peninsular Range Province to the south, and the Transverse Range Province to the north. The Transverse Ranges consist of a set of easterly-trending mountains and geologic structures that are distinct from the general northwest-southeast trend of the other provinces of California. Regional uplift of the Transverse Ranges has occurred along the San Andreas Fault zone, located approximately 10 miles to the northeast of the site. A series of thrust faults and sub-parallel strike slip faults creates the well-defined San Andreas Fault zone along the southern foothills of the Transverse Ranges through the Cajon Pass.

The Peninsular Range Province is characterized generally by structurally controlled, elongated northwesterly-trending valleys and mountains with elevated erosional surfaces. The eastern portion of the province has been extensively uplifted by faulting and represents the highest and most rugged terrain. From the east, the province gradually descends to the west toward the Pacific Ocean. The Peninsular Ranges are traversed by numerous northwest trending faults creating and subdividing the province into many sub-parallel, northwest trending ranges and valleys. The northwesterly trending mountains and valleys are flanked by regional faults, many of them remain active today, including the San Andreas, San Jacinto, and Elsinore Fault zones.

Locally, the site is underlain by alluvial deposits that have accumulated within the greater San Bernardino Valley area mainly as outwash from the Deer Canyon and Day Canyon drainages to the north. These deposits consist mainly of sands, silt, sand and gravel with minor occurrences of clay. Boulders and cobbles are also present in the northern portion of the valley near the drainage source. The alluvial sediments near the ground surface consist of primarily of unconsolidated silts and sands with minor amounts of gravels.

The Geotracker database from the Regional Water Quality Control Board indicated depth to water at the ARCO Station # 5205 located at 25715 Rancho Cucamonga Boulevard in Rancho Cucamonga, CA 92373 was approximately 150 feet below the ground surface as measured on May, 2002. The ARCO station is approximately 5 miles southwest of the subject site at a surface elevation of the ARCO station at approximately 1120 feet above MSL, which is approximately 40 feet lower in elevation then the subject site.

4.0 LABORATORY ANALYSIS

4.1 METHODS OF ANALYSIS

Soil samples were collected, maintained, prepared and analyzed according to Test Methods for Evaluating Solid Waste, (SW-846), Third Edition, Update #4A, May 1998. These methods, as prescribed by the Environmental Protection Agency (EPA), provide test procedures which determine whether the sample is a hazardous waste within the definition of the Resource Conservation and Recovery Act (RCRA).

All of the eight soil samples (TM-1@16' thru TM-8@16') collected during UST removal activities were analyzed by Enviro-Chem Inc. of Pomona, California for Total Petroleum Hydrocarbons – Carbon Chain (TPH-CC) and for Volatile Organic Compounds (VOCs) by EPA Method 8260B.

4.2 RESULTS OF ANALYSIS

Concentrations of TPH-CC and VOCs in the eight soil samples analyzed were reported below laboratory detection limits. Refer to ***Table 1*** for a summary of TPH-CC and VOCs analytical results. The laboratory analytical report and quality control/quality assurance reports including chain of custodies are provided in ***Appendix D***.

5.0 CONCLUSIONS AND RECOMMENDATIONS

On May 5 and 31, 2006 ECI performed the removal of 4 12,000-gallon USTs at the TAMCO facility located at 12459-B Arrow Highway in Rancho Cucamonga, California. ECI followed all applicable state, county and local guidelines during the site activities at the above referenced site.

Eight soil samples TM-1@16' through TM-8@16'were collected beneath the former USTs. Analytical results for TPH-CC and VOCs in all eight samples were reported with concentrations below laboratory detection limits. Groundwater was not encountered during field activities.

Based on the findings and analytical results as presented in this report, SET recommends the site be granted closure.

6.0 LIMITATIONS

SET performs professional services using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings are based primarily upon analytical results provided by an independent laboratory. Interpretations of the subsurface conditions at the site, for the purpose of this investigation, are made from a limited number of available soil sample locations. Subsurface conditions may vary from one location to another location.

SET appreciates the opportunity to provide environmental management services for Ecology Control Industries. If you have any questions regarding the report or require additional information, please feel free to call us at (310) 505-3675.

Sincerely,
Sharp Environmental Technologies, Inc.

Jeffrey E. Sharp
Principal Geologist, P.G. # 6777



TABLE

TABLE 1
Soil Analytical Results for TPH-CC and VOCs

TAMCO – 12459-B Arrow Route, Rancho Cucamonga, CA

Sample ID	Date Sampled	Total Petroleum Hydrocarbons – Carbon Chain (by EPA Method 8015)			Volatile Organic Compounds (VOCs) (by EPA Method 8260B)
UNITS		mg/Kg			µg/Kg
		C06-C10	C10-C22	C22-C35	
TM-1@16'	5/5/2006	ND	ND	ND	ND
TM-2@16'	5/5/2006	ND	ND	ND	ND
TM-3@16'	5/5/2006	ND	ND	ND	ND
TM-4@16'	5/5/2006	ND	ND	ND	ND
TM-5@16'	5/31/2006	ND	ND	ND	ND
TM-6@16'	5/31/2006	ND	ND	ND	ND
TM-7@16'	5/31/2006	ND	ND	ND	ND
TM-8@16'	5/31/2006``	ND	ND	ND	ND
PQL		10.0	10.0	50.0	varies

NOTES:
PQL = Practical Quantitation Limit
Units = As Indicated on Table Above
ND = Non-detected or below the DLR
TPH-CC = Total Petroleum Hydrocarbons – Carbon Chain

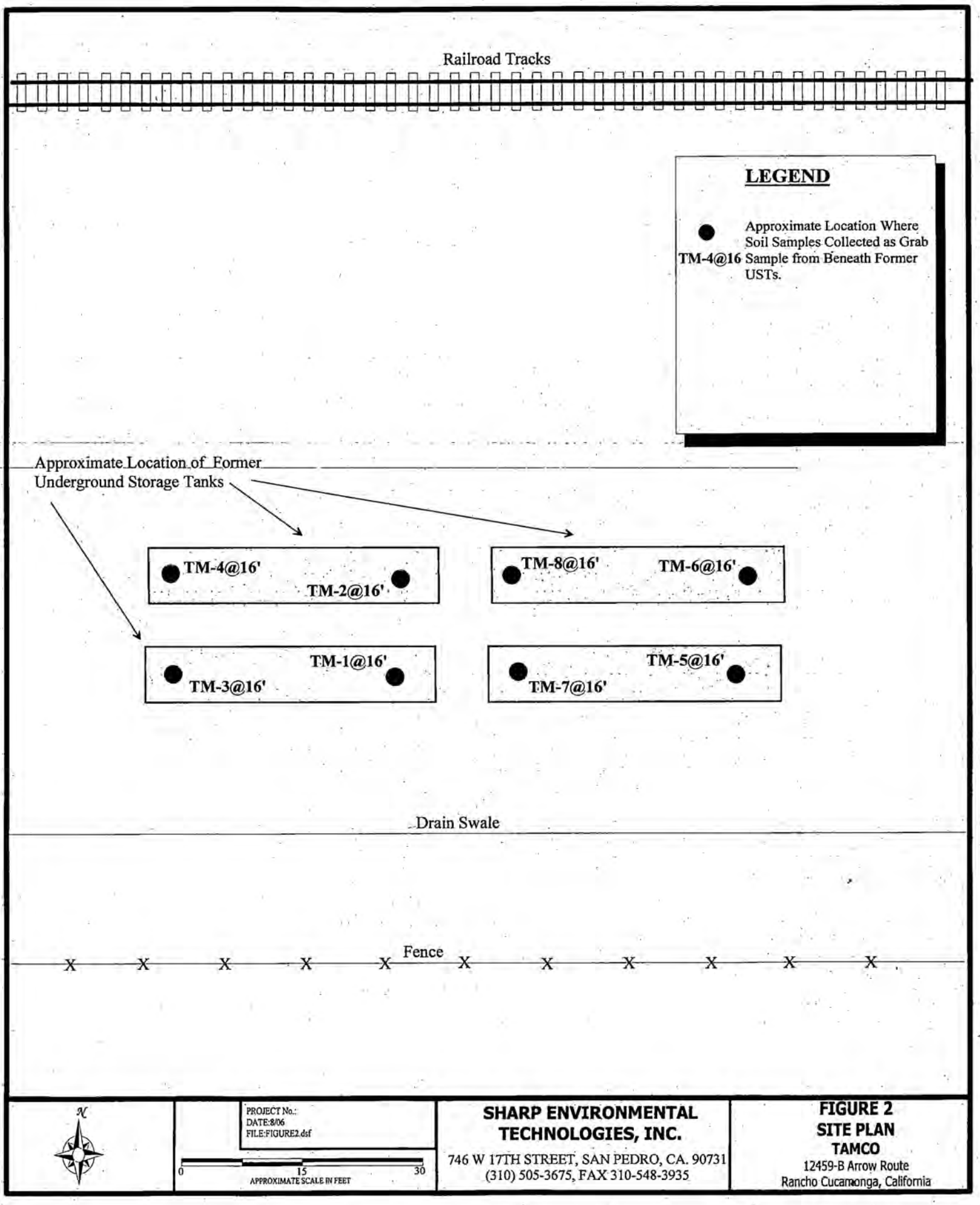
FIGURES



Reference: National Geographic Topo!

SHARP ENVIRONMENTAL TECHNOLOGIES, INC.
746 W 17TH STREET
SAN PEDRO, CA. 90731
(310) 505-3675

FIGURE 1
SITE VICINITY MAP
TAMCO
12459-B Arrow Route
Rancho Cucamonga, California



SHARP ENVIRONMENTAL TECHNOLOGIES, INC.

746 W 17TH STREET, SAN PEDRO, CA. 90731
(310) 505-3675, FAX 310-548-3935

FIGURE 2
SITE PLAN
TAMCO
12459-B Arrow Route
Rancho Cucamonga, California

APPENDIX A

UST REMOVAL PERMITS

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ _____ First Tank

$ _____ Each Additional Tank Number of Tanks this Application _____

JOB LOCATION

TAMCO	Mike Perchan	909-899-0660 Ext 5244
Facility Name	Contact Person	Phone No.
12459-B Arrow Hwy.	Rancho Cucamonga	91739
Situs Address	City	Zip Code
Cucamonga Valley Water District	City of Rancho Cucamonga Fire Dept.	
Water/Sewer Agency	Fire	

PROPERTY OWNER

TAMCO		909-899-0660
Name		Phone No.
P.O. Box 325	Rancho Cucamonga	91739
Mailing Address	City	Zip Code
A. Brad Wilkins		909-646-7861
Owner's Representative		Phone No.

TANK CONTENTS

Diesel Fuel Oil 4-12K

CONTRACTOR

Ecology Control Ltd	Dino Rodriguez	(310) 628-9258
Company Name	Contact Person	Phone No.
10680 Sibley Ave	Montclair CA	91763
Mailing Address	City	Zip Code

Workman's Comp Insurance Carrier	Policy No.	
WC 5863463-01	Lockton Insurance Inc.	2/9/06
State Contractor's License No. 741611	Types of Licenses A Haz C-12 HAZ	Expiration Date 10/31/06

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

A. Brad Wilkins	909-646-7861
Print Name Clearly	Phone
A.B. Wilkins	3/22/06
Signature	Date

OFFICE USE ONLY

Under Permit ☐ No ☑ Yes — FA 6532 (Facility I.D. Number)

Number of Tanks: 4

Fees Current ☐ No _____ (Delinquent Amount)

☑ Yes 7-31-06 (Expiration Date)

$ 993.00 — Permit Fee Paid THIS Application / 28342 / Receipt Number

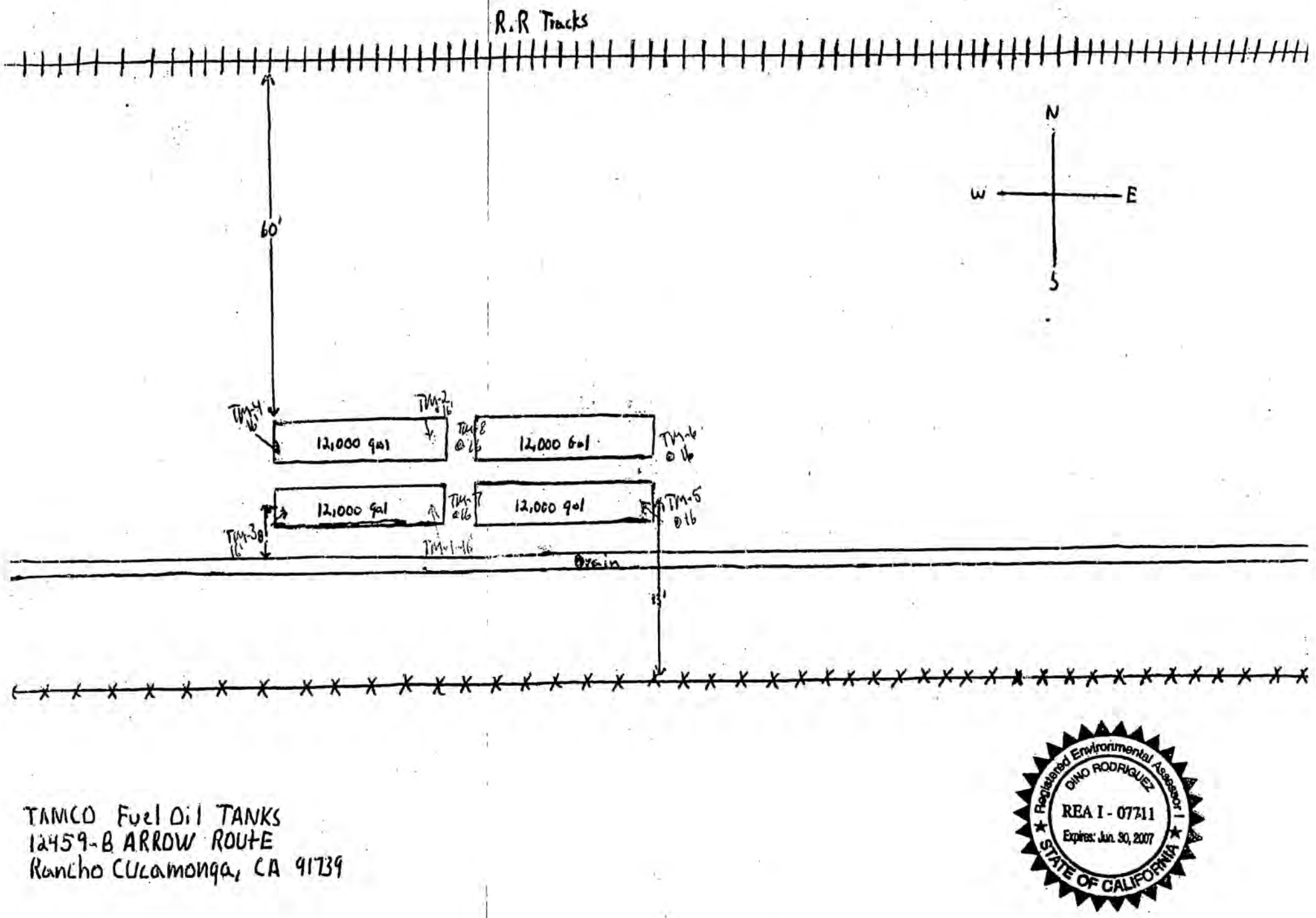
24621 — Check Number

3/24/06 — Date Paid

Taken by

Log Number _____ Job Card Number _____

03-19991-670 Rev. 12/02



TAMCO Fuel Oil TANKS
12459-B ARROW ROUTE
Rancho Cucamonga, CA 91739

Registered Environmental Assessor I
DINO RODRIGUEZ
REA I - 07711
Expires: Jun. 30, 2007
STATE OF CALIFORNIA

INSPECTIONS RECORD

Address 12451 Arrow Rte

Permit No. **PMT2006-02038**

SWIMMING POOL / SPA

Excavation, Setbacks, Reinforcing, Bonding			
Underground Conduit			
Gas Line, Gas Test			
Equipment			
Fence, Gates, Closer, Latches, Alarms and Rough Electrical			
Final Plumbing & Electrical			
Other			
Other			
Final Pool / Spa			
Inspection	Date		Sign

FIRE CONSTRUCTION SERVICES

AFS / UG Rough / Hydro			Temporary Power		
AFS / UG Final			Shell Only		
AFS / OH Rough / Hydro			Occupancy Final		
AFS / OH Final					
Hood and Duct Fixed Protection			**RESIDENTIAL FIRE SPRINKLER**		
Alarm			Rough / Hydro		
Site	5/31/06	RJN	Final		
Inspection	Date	Sign	Inspection	Date	Sign

IMPORTANT – READ BEFORE POSTING

1. Post this card in a conspicuous location.
2. Approved plans must be on the job for inspection.
3. Building inspections are to be requested through the Building & Safety Division office by calling **(909) 477-2777 selection #1** or at **www.rctops.org**. Inspections will occur on the next business day when request is received by 3:00 p.m. and coordinating inspections with other agencies.
4. Sequence of work approval on this project is the responsibility of the permittee. Each stage of the work shall be left exposed for inspection and be approved before covering.

IMPORTANT PHONE NUMBERS

Planning Division..... 477-2750
Engineering Division..... 477-2740
Fire Construction Services ..... 477-2713 Fax: 477-2711
S. B. County Dept. of Environmental Health.....458-9673 Fax: 458-9682
1647 E. Holt Blvd., Ontario, CA 91764

BUILDING

Footings, Reinf., Setbacks			
Floor Slab / Joists			
Wall Reinforcement			
Bond Beam			
Roof Sheathing			
Exterior Shear			
Framing / Roofing			
Insulation			
Firewall			
Interior Lath / Gypsum Board			
Suspended Ceiling			
Exterior Lath			
Finish Grading			
Street No. Posted			
Smoke Detectors			
Energy Card Posted			
Other			
Other			
Final Building			

MECHANICAL

Under-floor Ducts, Tube			
Ducts Combo Air / Ro. Mech.			
Forced Air Unit			
Air Conditioner Unit			
Fire Dampers			
Vents			
Hoods			
Spray Booth			
Dust Collection			
Other			
Final Mechanical			
Inspection	Date	Sign	

PLUMBING

Water Service			
Under-floor Plumbing			
Rough Plumbing			
Sewage Disposal			
Gas Test			
Backwater Valve			
Water Heater			
Water Softener			
Other			
Gas Utility Clearance			
Final Plumbing			

ELECTRICAL

Ufer			
Underground Conduit			
Meter Panel			
Rough Wiring			
Fixtures			
Temporary Power Pole			
Panel / Transformers			
Other			
Elect. Utility Clearance			
Final Electrical			

ENGINEERING DIV.

Off-Site Improvements			
Other			
Final			

PLANNING DIV.

On-Site Improvements			
Other			
Final			

HEALTH DEPT.

Final			
Inspection	Date	Sign	

BUILDING INSPECTION REQUESTS
909/477-2777 SELECTION # 1
or at www.rctops.org.

FINAL INSPECTION NOTICE

When calling for FINAL INSPECTIONS, the following must occur prior to utility releases:

The Building and Safety Division requires Engineering, Planning, and Fire Construction Services Divisions to inspect and final projects prior to the final inspection from the Building and Safety Division.

1. **BUILDING INSPECTION:**
   Concerns – a. On-site grading, slope erosion control (planting, irrigation), grading certification, as-built grading plans.
   b. All building, electrical, plumbing, and mechanical code requirements.

2. **ENGINEERING INSPECTION:**
   Concerns – a. New driveways, sidewalks, curbs, gutters, and street paving.

3. **FIRE CONSTRUCTION SERVICES:**
   Concerns – a. Fire hydrants, fire sprinkler systems, fire extinguishers, fire alarm systems, and restaurant hood extinguishing systems.
   b. Exit facilities in assembly occupancies. c. Fire Department access.

4. **PLANNING DIVISION:**
   Concerns – a. Landscaping, irrigation systems, parking lot improvements, trash enclosures, and equipment screening.

APPENDIX B

UNIFORM HAZARDOUS WASTE MANIFESTS

...d—Environmental Protection Agency
...ved OMB No. 2050-0039 (Expires 9-30-99)
...nt or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982361404 — Manifest Document No. 57430 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
TAMCO
P.O. BOX 325
RANCHO CUCAMONGA CA 91739

Site:
12459 ARROW HWY
RANCHO CUCAMONGA CA 91

4. Generator's Phone 909 899-0631 x5294

A. State Manifest Document Number 24657430

B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number
ECOLOGY CONTROL INDUSTRIES — CAD982030173

C. State Transporter's ID [Reserved.]

7. Transporter 2 Company Name — 8. US EPA ID Number

D. Transporter's Phone 909 825-6645

E. State Transporter's ID [Reserved.]

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number
DEMENNO KERDOON
2000 N. ALAMEDA STREET
COMPTON CA 90222
CAT080013352

G. State Facility's ID CAT080013352

H. Facility's Phone 310 537-7100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA, Hazardous Waste, Liquid (OILY WATER)	001	TT	014800	G	State 221
					EPA/Other NONE
b.					State
					EPA/Other
c.					State
					EPA/Other
d.					State
					EPA/Other

J. Additional Descriptions for Materials Listed Above
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. R01
b.
c.
d.

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE SAFETY EQUIPMENT. NOTE CONDITIONS.
24 HOUR ER CONTACT: ECI
SITE ADDRESS: 12459 AR
ECI JOB# 24-66072

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TAMCO MICHAEL PERERA — Signature — Month 08 Day 30 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JESUS BALDERRAMA — Signature — Month 08 Day 30 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space — Month Day Year

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: RUBEN ESCALANTE — Signature — Month 08 Day 30 Year 06

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24657430

8022A (1/99)
3700-22

White: TSDF SENDS THIS COPY ...

Sep. 8. 2006 8:58AM ECI MONTCLAIR No.8312 P. 6/6

Environmental Protection Agency
E No. 2050-0039 (Expires 9-30-99)
pe. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

UNIFORM HAZARDOUS WASTE MANIFEST

Department of Toxic Substances Control
Sacramento, California

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD982361404	5219 21		

3. Generator's Name and Mailing Address
Tamco
PO Box 325
Rancho Cucamonga, CA 91739

4. Generator's Phone (909) 899-0631 Ext 5244

A. State Manifest Document Number: 24657921

B. State Generator's ID:

5. Transporter 1 Company Name: Ecology Control Ind
6. US EPA ID Number: CAD098203011 73
C. State Transporter's ID [Reserved.]

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone: (909) 425-8645
E. State Transporter's ID [Reserved.]

9. Designated Facility Name and Site Address
Demenno/Kerdoon
2000 South Alameda Street
Compton, CA 90222
10. US EPA ID Number: CAT080013352
F. Transporter's Phone
G. State Facility's ID: CAT080013352
H. Facility's Phone: (310) 537-7100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Numbers
a. NON RCRA Hazardous waste liquid (only water)	001	TT	4800	G	State 2261
					EPA/Other H/A
b.					State
					EPA/Other
c.					State
					EPA/Other
d.					State
					EPA/Other

J. Additional Descriptions for Materials Listed Above
Non RCRA Haz waste liquid
Profile # 273324

K. Handling Codes for Wastes Listed Above: a. T01 b.
c. d.

15. Special Handling Instructions and Additional Information
Wear Prefer PPE When Handling
In case of Emergency call (909) 425-6645 -
Site: 12454-B Arrow Route
Rancho Cucamonga, CA 91739
Bill ECI PO# 04-66072

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Michael G. Pavlican	Michael G Pavlican	04	10	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Raul Ramos		04	10	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Gregory Wood	Greg Wood	04	10	06

DO NOT WRITE BELOW THIS LINE.

GENERATOR

1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

22A (1/99)
)—22

White: To: COPY TO ECI MONTCLAIR

Sep. 8. 2006 8:57AM No. 8312 P. 4/6

...ection Agency
...0039 (Expires 9-30-99)
...designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1	Information in the shaded areas is not required by Federal law.
CAD982836140	44199	1 of 1	

3. Generator's Name and Mailing Address: Tamco
P.O. Box 345
Rancho Cucamonga, CA 91729

4. Generator's Phone: (909) 899-1631 x 5294

A. State Manifest Document Number: 24657449

B. State Generator's ID:

5. Transporter 1 Company Name: Ecology Control Industries
6. US EPA ID Number: CAD982036173
C. State Transporter's ID [Reserved.]
D. Transporter's Phone: (909) 625-6645

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID [Reserved.]
F. Transporter's Phone

9. Designated Facility Name and Site Address: Demenno/Kerdoon
2000 North Alameda Street
Compton, CA 90222
10. US EPA ID Number: CAT080013352
G. State Facility's ID: CAT080013352
H. Facility's Phone: (310) 537-7100

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NONRCRA Hazardous Waste Liquid (oily water)	0101	TT	00800	G	State 223 224 EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Oily water 100%
Profile # 27332Y

K. Handling Codes for Wastes Listed Above
a. 201
b.
c.
d.

15. Special Handling Instructions and Additional Information
Wear Proper PPE when handling waste
In case of Emergency call ECI (909) 625-6645
ECI PO # 24-16072 Bill ECI For Disposal PO # 24-16072
Ship 12459 Arrow Hwy
Rancho Cucamonga, CA 91739
(909) 899-1631 x 5294

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
CSO TAMCO Michael Perchas		05	24	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
SOPHAL P. SVAY		05	24	06

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR — TRANSPORTER — FACILITY

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

...al Protection Agency
...50-0039 (Expires 9-30-99)
...orm designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6. 9822162 MAS 180 Department of Toxic Substances Control Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 982361140 — Manifest Document No. 57450 — 2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
TAMCO
PO Box 325
Rancho Cucamonga, CA 91739

4. Generator's Phone (909) 899-0631 x 5294

A. State Manifest Document Number 24657450

B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number
Ecology Control Industries — CAD982013013

C. State Transporter's ID [Reserved]

7. Transporter 2 Company Name — 8. US EPA ID Number

D. Transporter's Phone (909) 625-6645

E. State Transporter's ID [Reserved]

F. Transporter's Phone

9. Designated Facility Name and Site Address
Demenno / Kerdoon
2000 North Alameda Street
Compton, CA 90222 — 10. US EPA ID Number CAT080013352

G. State Facility's ID CAT080043352

H. Facility's Phone (310) 537-7100

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA Hazardous Waste liquid (oily water)	001	TT	01800	G	State 221
					EPA/Other N/A
b.					State
					EPA/Other
c.					State
					EPA/Other
d.					State
					EPA/Other

J. Additional Descriptions for Materials Listed Above
Oily water 0020
Profile # 273324

K. Handling Codes for Wastes Listed Above
a. P01 b.
c. d.

15. Special Handling Instructions and Additional Information
Wear Proper PPE When handling waste
Call (909) 625-6645 In Case of E
Bill ECI For Disposal PO# a... 1789
Enter: 12454 Arrow Hwy

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this ... marked, and labeled, and are in all respects in proper condition for ... by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
OSCAR MICHAEL PERCHAN		05	24	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tony Stone		05	24	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
ACE CUBOS		05	25	06

DO NOT WRITE BELOW THIS LINE.

GENERATOR

...1-800-852-7550

22A (1/99)
...-22

White ... COPY

Sep. 8. 2006 8:57AM MONTCLAIR ECI icramer No.8312 P. 3/6

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

Manifest #

Date of Shipment	Responsible for Payment	Transporter Truck #	Facility #	Given by TPST	Load #
	Consultant	17059		A27C42	1

Generator and/or Consultant

Generator's Name and Billing Address
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Generator's Phone # | Generator's US EPA ID No

Person to Contact | TAX # | Customer Account Number with TPST: 71AMCO

Consultant's Name and Billing Address
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Consultant's Phone #: (909) 625-6645
Person to Contact: IND
FAX #
Customer Account Number with TPST: 72ECI07

Generation Site (Transport from) (name & address)
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Site Phone # | Person to Contact | FAX #
BTEX Levels
TPH Levels
AVG Levels

Designated Facility (Transport to) (name & address)
TPST SOIL RECYCLERS OF CALIFORNIA
13328 HIBISCUS AVE
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: DELLENA JEFFERY
FAX #: (760) 246-8006
Facility Permit Number

Transporter Name and Mailing Address
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Transporter's Phone #: 9096256665
Person to Contact: VIRGINIA FITTWORK
FAX #: 7ECTECT
Transporter's US EPA ID No. | Transporter's DOT No. | Customer Account Number with TPST

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	18 Y	20 Y BIN	60710	37800	24330
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					12.16

List any exception to items listed above | Scale Ticket # 19439

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Anne Lebryan-Agent for | Generator ☐ Consultant ☐ | Signature and date | Month 06 Day 19 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: RUSSELL ALEXANDER | Signature and date: Russell Alexander | Month 06 Day 19 Year 06

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFERY / J. PROVANSAL | Signature and date: 6-19-6

Please print or type.

TPST FACILITY COPY

15 1-20-637

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Consultant	16063		R2P47	2

Generator and/or Consultant

Generator's Name and Billing Address
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Generator's Phone #:
Person to Contact:
FAX#:
Generator's US EPA ID No:
Customer Account Number with TPST: TAMCO

Consultant's Name and Billing Address
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Consultant's Phone #: (909) 625-6665
Person to Contact: DINO
FAX#:
Customer Account Number with TPST: ECI02

Generation Site (Transport from). (name & address)
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Site Phone #:
Person to Contact:
FAX#:
EPA ID No.
Location
TPST Location
API Number

Designated Facility (Transport to): (name & address)
TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: DELLENA JEFFERY
FAX#: (760) 246-8004
Facility Permit Number:

Transporter Name and Mailing Address.
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Transporter's Phone #: 9099256645
Person to Contact: VIRGINIA FUJIWARA
FAX#: ECI ECT
Transporter's US EPA ID No:
Transporter's TPST No:
Customer Account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			60360	36330	24040
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					10.02

List any exception to items listed above. Scale Ticket# 19443

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Phan Vallenzuela Bautista — Generator ☐ Consultant ☐
Signature and date: Month 6 Day 19 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site

Print or Type Name: SAMMY CISNEROS
Signature and date: Sammy Cisneros
Month 6 Day 19 Year 06

Discrepancies:

Recycling Facility

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name: D. JEFFERY / J. PROVANSAL
Signature and date: 6-19-6

Please print or type.

Bin # 1-26-356

Manifest

TPST Soil Recyclers of CA

Non-Hazardous Soils

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Consultant	1659		022047	6

Generator and/or Consultant

Generator's Name and Billing Address: TAMCO 12454 ARROW HWY RANCHO CUCAMONGA, CA 91730	Generator's Phone #:	Generator's US EPA ID No.
	Person to Contact:	
	FAX#:	Customer Account Number with TPST: 2TAMCO
Consultant's Name and Billing Address: ECOLOGY CONTROL IND 10680 SILICON AVE MONTCLAIR, CA 91763	Consultant's Phone #: (909) 625-6645 Person to Contact: DINO	
	FAX#:	Customer Account Number with TPST: 2ECI77
Generation Site (Transport from): (name & address) TAMCO 12454 ARROW HWY RANCHO CUCAMONGA, CA 91730	Site Phone #:	BTEX Levels
	Person to Contact:	TPH Levels
	FAX#:	AVG Levels
Designated Facility (Transport to): (name & address) TPST SOIL RECYCLERS OF CALIFORNIA 12328 HIBISCUS AVE APELANTO, CA 92301	Facility Phone #: (800) 862-8001	Facility Permit Number:
	Person to Contact: DELLENA JEFFERY	
	FAX#: (760) 246-8006	
Transporter Name and Mailing Address: ECOLOGY CONTROL IND 10680 SILICON AVE MONTCLAIR, CA 91763	Transporter's Phone #: 9096256645	Transporter's US EPA ID No.:
	Person to Contact: VIRGINIA FUJIWARA	Transporter's DOT No.:
	FAX#: 2ECIECI	Customer Account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			65720	35300	30220
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					15.11

List any exception to items listed above: Scale Ticket# 19650

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way. ON BEHALF OF MIKE BERCHAM OF TAMCO

Print or Type Name: J DANE MARKUS — Generator ☐ Consultant ☐ — Signature and date: — Month 6 Day 21 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: SAMMY CISNEROS — Signature and date: — Month 6 Day 21 Year 06

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFERY / J. PROVANSAL — Signature and date: 6-21-6

Bid # 6-86-08

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
6-14-06	Consultant	16063		A27047	4

Generator and/or Consultant

Generator's Name and Billing Address
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91780

Generator's Phone #: 909 8990660
Generator's US EPA ID No: CA D982361404
Person to Contact: M. PERCHAN
FAX#: 909 8999332
Customer Account Number with TPST: 71AMCO

Consultant's Name and Billing Address
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Consultant's Phone #: (909) 625-6665
Person to Contact: DINO
FAX#:
Customer Account Number with TPST: 72ECI72

Generation Site (Transport from) (name & address)
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91780

Site Phone #:
Person to Contact:
FAX#:
BTEX Levels:
TPH Levels:
AVC Levels:

Designated Facility (Transport to) (name & address)
TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: HELENA JEFFERY
FAX#: (760) 246-8004
Facility Permit Number:

Transporter Name and Mailing Address
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Transporter's Phone #: 2026256645
Person to Contact: VIRGINIA FUJIWARA
FAX#: 7ECIECI
Transporter's US EPA ID No:
Transporter's DOT No.:
Customer account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% over ☐	Gas ☐ Diesel ☐ Other ☐			54520	37500	24980
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					10.99

List any exception to items listed above:

Scale Ticket# 19317--

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐ — OBO TAMCO MICHAEL PERCHAN
Signature and date: Month 6 Day 14 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: OB Sonny Cisneros
Signature and date:
Month | Day | Year

Discrepancies:

Recycling Facility

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name: D. JEFFERY / J. PROVANSAL
Signature and date: 6/14/06

Please print or type.

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
6-14-06	Consultant	16063		067067	5

Generator and/or Consultant

Generator's Name and Billing Address:
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Generator's Phone #: 899 0660
Person to Contact: M PERCHAN
FAX#: 909 899 9332
Generator's US EPA ID No: CA0982361404
Customer Account Number with TPST: 21AMCO

Consultant's Name and Billing Address:
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Consultant's Phone #: (909) 625-6665
Person to Contact: DINO
FAX#:
Customer Account Number with TPST: 21ECIND

Generation Site (Transport from): (Name & address)
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Site Phone #:
Person to Contact:
FAX#:
BTU's Level:
EPA Level:
AVG Level:

Designated Facility (Transport to): (Name & address)
TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: DELLENA JEFFERY
FAX#: (760) 246-8004
Facility Permit Numbers:

Transporter Name and Mailing Address:
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Transporter's Phone #: 9096256665
Person to Contact: VIRGINIA CUTINDRA
FAX#: 7ECIECI
Transporter's US EPA ID No:
Transporter's DOT No:
Customer Account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			65220	37180	31040
Sand ☐ Organic ☒ Clay ☐ Other ☐	0 - 10% ☒ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					15.52

List any exception to items listed above: Scale Ticket: 19321

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way

Print or Type Name: Generator ☐ Consultant ☒ — 080 TAMCO MICHAEL PERCHAN
Signature and date: Month 6 Day 14 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: SAMMY CISNEROS
Signature and date: Month 6 Day 14 Year 06

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above

Print or Type Name: D. JEFFERY / J. PROVANSAL
Signature and date: 6-14-06

Please print or type.

15cw 2-20-243

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment	Responsible for Payment:	Transporter Truck #.	Facility #:	Given by TPST:	Load #
	Consultant	16063		A27047	6

Generator and/or Consultant

Generator's Name and Billing Address
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Generator's Phone #: 909 899 0660
Person to Contact: M PERCHAN
FAX#: 909 899 9337
Generator's US EPA ID No: CAD982361404
Customer Account Number with TPST: 27AMCO

Consultant's Name and Billing Address
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Consultant's Phone #: (909) 625-6645
Person to Contact: DINO
FAX#:
Customer Account Number with TPST: 27ECIC2

Generation Site (Transport from) (name & address)
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Site Phone #:
Person to Contact:
FAX#:
BTEX Level:
TPH Levels:
AVG Level:

Designated Facility (Transport to): (name & address)
TPST SOIL RECYCLERS OF CALIFORNIA
12928 HIBISCUS AVE
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: DELLENA JEFFERY
FAX#: (760) 246-8004
Facility Permit Numbers:

Transporter Name and Mailing Address
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Transporter's Phone #: 909625-6645
Person to Contact: VIRGINIA FURTADO
FAX#: 27ECIEC1
Transporter's US EPA ID No:
Transporter's DOT No:
Customer Account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			68120	38120	30300
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					15.15

List any exceptions to items listed above:

Scale Ticket# 19470

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: TAMCO Generator ☑ Consultant ☐ X MICHAEL PERCHAN
Signature and date: [signature] Month 6 Day 19 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: SAMMY CISNEROS
Signature and date: [signature] Month 6 Day 19 Year 06
Discrepancies:

Recycling Facility

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name: D. JEFFERY / J. PROVANSAL
Signature and date: [signature] 6-19-6

Please print or type.

6-21-615

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Consultant	6063, 7059		022047	2

Generator and/or Consultant

Generator's Name and Billing Address
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Generator's Phone #: 909 899 0660
Person to Contact: M PERALTA
FAX#: 909 899 9332
Generator's US EPA ID No: CAD982561404
Carrier account Number with TPST: TAMCO

Consultant's Name and Billing Address
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Consultant's Phone #: (909) 625-6645
Person to Contact: DINO
FAX#:
Generator account Number with TPST: TAMCO

Generation Site (Transport from) *Name & address*
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Site Phone #:
Person to Contact:
FAX#:
BTEX Level #:
TPH Level #:
AVC Level #:

Designated Facility (Transport to) *Name & address*
TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

Facility Phone #: (800) 362-8001
Person to Contact: DELFINA JEFFERY
FAX#: (760) 246 3004
Facility Permit Numbers:

Transporter Name and Mailing Address
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Transporter's Phone #: 9096256645
Person to Contact: VIRGINIA FUJIWARA
FAX#: REJECT
Transporter's US EPA ID No:
Transporter's DOT No:
Carrier account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0-10% ☐ 10-20% ☐ 20%-over ☐	Gas ☐ Diesel ☐ Other ☐			68360	37920	30440
Sand ☐ Organic ☐ Clay ☐ Other ☐	0-10% ☐ 10-20% ☐ 20%-over ☐	Gas ☐ Diesel ☐ Other ☐					15.17

List any exception to items listed above:

Scale Ticket# 17642

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐ ROBOTANCO MICHAEL PERALTA
Signature and date: Michael Peral
Month: 06 Day: 19 Year: 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: SAMMY CISNEROS
Signature and date:
Month: 6 Day: 19 Year: 6
Discrepancies:

Recycling Facility

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFERY / J. PRUVANSAL
Signature and date: 6-21-6

Please print or type

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
6-14-06	Consultant	16063		A27647	8

Generator and/or Consultant

Generator's Name and Billing Address: TAMCO, 12454 ARROW HWY, RANCHO CUCAMONGA, CA 91730
Generator's Phone #: 909 8990660
Person to Contact: M PERCHAN
FAX#: 909 899 9332
Generator's US EPA ID No: CAD982361404
Customer Account Number with TPST: 71AMCO

Consultant's Name and Billing Address: ECOLOGY CONTROL IND, 10680 SILICON AVE, MONTCLAIR, CA 91763
Consultant's Phone #: (909) 625-6645
Person to Contact: DINO
FAX#:
Customer Account Number with TPST: 77ECI77

Generation Site (Transport from) (name & address): TAMCO, 12454 ARROW HWY, RANCHO CUCAMONGA, CA 91730
Site Phone #:
Person to Contact:
FAX#:
BTEX Level
TPH Level
AVG Levels

Designated Facility (Transport to) (name & address): TPST SOIL RECYCLERS OF CALIFORNIA, 12328 HIBISCUS AVE, MIELANTO, CA 92301
Facility Phone #: (800) 862-8001
Person to Contact: HELENA JEFFERY
FAX#: (760) 246-8004
Facility Permit Number:

Transporter Name and Mailing Address: ECOLOGY CONTROL IND, 10680 SILICON AVE, MONTCLAIR, CA 91763
Transporter's Phone #: 9096256645
Person to Contact: VIRGINIA FUJIWARA
FAX#: REJECT
Transporter's US EPA ID No:
Transporter's DOT No:
Customer Account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☑ Other ☐	0 - 10% ☐ 10 - 20% ☑ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			57280	38300	18980
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					978

List any exception to items listed above: Scale Ticket 19304

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: ☐ Generator ☐ Consultant — OBO TAMCO MICHAEL PERCHAN
Signature and date: Michael Perchan — Month 6 Day 14 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: SAMMY CUEVAS
Signature and date: Sammy Cuevas — Month 6 Day 14 Year 06
Discrepancy:

Recycling Facility

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name: D. JEFFERY / J. PROVANSAL
Signature and date: 6/14/06

Please print or type.

TPST FACILITY COPY

24-66072 319612

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

Manifest #

Date of Shipment	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Consultant	1663		A27042	9

Generator and/or Consultant

Generator's Name and Billing Address
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Generator's Phone #:
Person to Contact:
FAX#:
Generator's US EPA ID No:
Customer Account Number with TPST: TAMCO

Consultant's Name and Billing Address:
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Consultant's Phone #: (909) 625-6649
Person to Contact: DINO
FAX#:
Customer Account Number with TPST: ECOIND

Generation Site (Transport from). (name & address)
TAMCO
12454 ARROW HWY
RANCHO CUCAMONGA, CA 91730

Site Phone #:
Person to Contact:
FAX#:
UTD. Levels:
TPH Levels:
AVG Levels:

Designated Facility (Transport to). (name & address)
TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE.
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: DELLENA JEFFERY
FAX#: (760) 246-8004
Facility Permit Number:

Transporter Name and Mailing Address.
ECOLOGY CONTROL IND
10680 SILICON AVE
MONTCLAIR, CA 91763

Transporter's Phone #: 9096256645
Person to Contact: VIRGINIA FUTIWARA
FAX#: REJECT
Transporter's I.S EPA ID No:
Transporter's DOT No:
Customer Account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			71360	38200	33140
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					16.57

List any exception to items listed above:

Scale Ticket# 19781

Generator's and/or consultant's certification. I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way. ON BEHALF OF MIKE PERCHARSKY OF TAMCO

Print or Type Name: DAVE HARRIS — Generator ☐ Consultant ☐
Signature & Date: Dave H — Month: 6 Day: 21 Year: 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Printed Type Name: SAMMY CISNEROS
Signature and date: Sammy Cisneros — Month: 6 Day: 21 Year: 06

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name: D. JEFFERY / J. PROVANSAL
Signature and date: 6-23-6

Please print or type.

APPENDIX C

MARINE CHEMIST CERTIFICATE

MARINE CHEMIST CERTIFICATE

HARBOR TESTING LABORATORY INC.
24 HOUR PHONE: (562) 492-9646

Serial # 0088

ECOLOGY CONTROL, INC.	TANCO STEEL	9 JUNE 2006
Survey Requested By	Vessel Owner or Agent	Da
TANKS Nos. 0088-A, B, C, D	STEEL UNDERGROUND STORAGE 12459 ARROW RTE., RANCHO CUC.	
Vessel	Type of Vessel	Specific Location of Vess
SLURRY FILL (EX-FUEL OIL)	O2, LEL, VISUAL, TOXICITY	1618
Last Cargo	Tests Performed	Time Survey Complet

TANKS
Nos. 0088-A, 0088-B / Nos. 0088-C, 0088-D

20.8% O_2, 0% LEL
NO DETECTABLE H_2S (<1ppm)
<1ppm HYDROCARBON VAPOR (ISOBUTYLENE EQUIVALENT
TANKS HAVE BEEN EXCAVATED, WASHED & VENTILATED
ATMOSPHERE SAFE FOR WORKERS
SAFE FOR HOT-WORK

RAE SYST. MOD. PGM-3000, S.N. 180-000976 CALIBRATED 9 JUN '06

In the event of any physical or atmospheric changes affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces this certificate is voided; or if there is any question about the conditions, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast, cargo, fuel, or manipulation of valves or closure equipment tending to alter conditions in pipelines, tanks, or compartments subject to gas accumulation, unless specifically approved on this Certificate, requires inspection and a new Certificate for spaces so affected. All lines, vents, heating coils, valves, and similar enclosed appurtenances shall be considered 'not safe' unless otherwise specifically designated. Movement of the vessel from its specific location voids the Certificate unless shifting of the vessel within the facility has been specifically authorized on this Certificate.

STANDARD SAFETY DESIGNATIONS: (partial list, paraphrased from NFPA 306, Subsections 4.3.1 through 4.3.6).

ATMOSPHERE SAFE FOR WORKERS: In the compartment or space so designated (a) the oxygen content of the atmosphere is at least 19.5 percent and not greater than 22 percent by volume; (b) the concentration of flammable materials is below 10 percent of the lower explosive limit; (c) any toxic materials in the atmosphere associated with cargo, fuel, tank coatings, inerting mediums, or fumigants are within permissible concentrations at the time of the inspection.

NOT SAFE FOR WORKERS: In the compartment or space so designated, entry is not permitted.

ENTER WITH RESTRICTIONS: In the compartment or space so designated, entry for work is permitted only if conditions of proper protective equipment, or clothing, or time, or all of the aforementioned, as appropriate, are as specified.

SAFE FOR HOT WORK: In the compartment or space so designated (a) the oxygen content of the atmosphere is not greater than 22 percent by volume; (b) the concentration of flammable materials in the atmosphere is less than 10 percent of the lower explosive limit; (c) the residues, scale, or preservative coatings are deemed sufficiently to prevent the spread of fire and are not capable of producing a higher concentration than permitted by (a) or (b); (d) all adjacent spaces, containing or having contained flammable or combustible materials shall be sufficiently cleaned of residues, scale, or preservative coatings to prevent the spread of fire, or they are inerted. Ship's fuel tanks, tube tanks, or engine room or fire room bilges, or other machinery spaces, are treated in accordance with the Marine Chemist's requirements.

SAFE FOR LIMITED HOT WORK: In the compartment or space so designated (a) portions of the space meet the requirements for Safe for Hot Work and Partial Gas Free, as applicable, or (b) the space is inerted, adjacent spaces meet the requirements for Safe for Hot Work, and hot work is restricted to specific locations, (c) portions of the space shall meet the requirements for Safe for Hot Work, as applicable, and the nature or type of hot work is limited or restricted.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

CHEMISTS ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate of the NFPA 306 and understands limitations not limitations under which it was issued, and the requirements for maintaining its validity.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to certain assumptions and explanations.

Signed ECI (Company) 9 Jun '06 (Date)

Signed (Marine Chemist) #467 (Certificate #)

APPENDIX D

LABORATORY AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) REPORTS AND CHAIN-OF-CUSTODY RECORDS

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: May 8, 2006

Mr. Dino Rodriguez
Ecology Control Industries
10680 Silicon Ave
Montclair, CA 91673
Tel(310)628-4258 Fax(909)482-2273

Project: **Tamco Steel**
Location: **12459 Arrow Hwy., Rancho Cucamonga, CA**
Lab I.D.: **060305-67 through -70**

Dear Mr. Rodriguez:

The **analytical results** for the soil samples, received by our laboratory on May 5, 2006 are attached. The samples were received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Jesse Tu, Ph.D.
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: ECOLOGY CONTROL INDUSTRIES
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: Tamco Steel
LOCATION: 12459 Arrow Hwy, Rancho Cucamonga, CA

MATRIX: SOIL
SAMPLING DATE: 05/05/06
REPORT TO: MR. DINO RODRIGUEZ

DATE RECEIVED: 05/05/06
DATE EXTRACTED: 05/05/06
DATE ANALYZED: 05/05/06
DATE REPORTED: 05/08/06

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS

METHOD: LUFT/EPA 8015M

UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
TM-1 @ 16'	060505-67	ND	ND	ND	1
TM-2 @ 16'	060505-68	ND	ND	ND	1
TM-3 @ 16'	060505-69	ND	ND	ND	1
TM-4 @ 16'	060505-70	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: ECOLOGY CONTROL INDUSTRIES
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: Tamco Steel
LOCATION: 12459 Arrow Hwy, Rancho Cucamonga, CA
MATRIX: SOIL
SAMPLING DATE: 05/05/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: TM-1 @16'

DATE RECEIVED: 05/05/06
DATE ANALYZED: 05/05/06
DATE REPORTED: 05/08/06
Lab I.D.: 060505-67

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: ECOLOGY CONTROL INDUSTRIES
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: Tamco Steel
LOCATION: 12459 Arrow Hwy, Rancho Cucamonga, CA
MATRIX: SOIL
SAMPLING DATE: 05/05/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: TM-1 @16'

DATE RECEIVED: 05/05/06
DATE ANALYZED: 05/05/06
DATE REPORTED: 05/08/06
Lab I.D.: 060505-67

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: ECOLOGY CONTROL INDUSTRIES
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: Tamco Steel
LOCATION: 12459 Arrow Hwy, Rancho Cucamonga, CA
MATRIX: SOIL
SAMPLING DATE: 05/05/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: TM-2 @16'

DATE RECEIVED: 05/05/06
DATE ANALYZED: 05/05/06
DATE REPORTED: 05/08/06
Lab I.D.: 060505-68

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: ECOLOGY CONTROL INDUSTRIES
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: Tamco Steel
LOCATION: 12459 Arrow Hwy, Rancho Cucamonga, CA
MATRIX: SOIL
SAMPLING DATE: 05/05/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: TM-2 @16'

DATE RECEIVED: 05/05/06
DATE ANALYZED: 05/05/06
DATE REPORTED: 05/08/06
Lab I.D.: 060505-68

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.010
M/P-XYLENE	ND	0.005
O-XYLENE	ND	

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: ECOLOGY CONTROL INDUSTRIES
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: Tamco Steel
LOCATION: 12459 Arrow Hwy, Rancho Cucamonga, CA
MATRIX: SOIL
SAMPLING DATE: 05/05/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: TM-3 @16'

DATE RECEIVED: 05/05/06
DATE ANALYZED: 05/05/06
DATE REPORTED: 05/08/06
LAB I.D.: 060505-69

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.020
2-BUTANONE (MEK)	ND	0.005
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.010
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: ECOLOGY CONTROL INDUSTRIES
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: Tamco Steel
LOCATION: 12459 Arrow Hwy, Rancho Cucamonga, CA
MATRIX: SOIL
SAMPLING DATE: 05/05/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: TM-3 @16'

DATE RECEIVED: 05/05/06
DATE ANALYZED: 05/05/06
DATE REPORTED: 05/08/06
LAB I.D.: 060505-69

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.010
M/P-XYLENE	ND	0.005
O-XYLENE	ND	

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: ECOLOGY CONTROL INDUSTRIES
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: Tamco Steel
LOCATION: 12459 Arrow Hwy, Rancho Cucamonga, CA
MATRIX: SOIL
SAMPLING DATE: 05/05/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: TM-4 @16'

DATE RECEIVED: 05/05/06
DATE ANALYZED: 05/05/06
DATE REPORTED: 05/08/06
LAB I.D.: 060505-70

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: ECOLOGY CONTROL INDUSTRIES
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: Tamco Steel
LOCATION: 12459 Arrow Hwy, Rancho Cucamonga, CA
MATRIX: SOIL
SAMPLING DATE: 05/05/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: TM-4 @16'

DATE RECEIVED: 05/05/06
DATE ANALYZED: 05/05/06
DATE REPORTED: 05/08/06
LAB I.D.: 060505-70

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
- O Same Day
- O 24 Hours
- O 48 Hours
- O 72 Hours
- O 1 Week (Standard)
- Other: AM.

RUSH

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: 8260-B	Analysis Required: 8015 Fuel Screen	COMMENTS
TM-1 @ 16'	060505-67	5/5/06	1146	Soil	1x4	MK	6/m	X	X	
TM-2 @ 16'	-68	5/5/06	1151		1					
TM-3 @ 16'	-69	5/5/06	1158		1					
TM-4 @ 16'	-70	5/5/06	1205		1					

Misc.

Company Name: Ecology Control Industrys	Project Contact: Dina Rodriguez	Sampler's Signature:
Address: 10680 Silicon Ave	Tel: (310) 628-4258	Project Name/ID: Thums Steel 12459 Arrow Hwy Rancho Cucamonga CA
City/State/Zip: Montclair, CA 91763	Fax: (909) 482-2278	

Relinquished by:	Received by:	Date & Time: 5/5/06 1230	Instructions for Sample Storage After Analysis:
Relinquished by:	Relinquished by:	Date & Time: 5/5/06 1335	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

TOTAL P.11

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE - YELLOW TO CLIENT

Page ____ of ____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: June 1, 2006

Mr. Dino Rodriguez
Ecology Control Industries
10680 Silicon Ave
Montclair, CA 91673
Tel(310)628-4258 Fax(909)482-2273

Project: **Tamco Steel**
Location: **12459 Arrow Hwy., Rancho Cucamonga, CA**
Lab I.D.: **060531-31 through -34**

Dear Mr. Rodriguez:

The **analytical results** for the soil samples, received by our laboratory on May 31, 2006, are attached. The samples were received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Jesse Tu, Ph.D.
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ECOLOGY CONTROL INDUSTRIES**
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow Hwy., Rancho Cucamonga, CA**

MATRIX: SOIL
SAMPLING DATE: 05/31/06
REPORT TO: MR. DINO RODRIGUEZ

DATE RECEIVED: 05/31/06
DATE EXTRACTED: 05/31/06
DATE ANALYZED: 05/31/06
DATE REPORTED: 05/01/06

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
TM-5@16'	060531-31	ND	ND	ND	1
TM-6@16'	060531-32	ND	ND	ND	1
TM-7@16'	060531-33	ND	ND	ND	1
TM-8@16'	060531-34	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ECOLOGY CONTROL INDUSTRIES**
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow Hwy., Rancho Cucamonga, CA**
MATRIX: SOIL — DATE RECEIVED: 05/31/06
SAMPLING DATE: 05/31/06 — DATE ANALYZED: 05/31/06
REPORT TO: MR. DINO RODRIGUEZ — DATE REPORTED: 06/01/06
SAMPLE I.D.: **TM-5@16'** — Lab I.D.: 060531-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ECOLOGY CONTROL INDUSTRIES**
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow Hwy., Rancho Cucamonga, CA**
MATRIX: SOIL — DATE RECEIVED: 05/31/06
SAMPLING DATE: 05/31/06 — DATE ANALYZED: 05/31/06
REPORT TO: MR. DINO RODRIGUEZ — DATE REPORTED: 06/01/06
SAMPLE I.D.: **TM-5@16'** — Lab I.D.: 060531-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ECOLOGY CONTROL INDUSTRIES**
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow Hwy., Rancho Cucamonga, CA**
MATRIX: SOIL
SAMPLING DATE: 05/31/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: **TM-6@16'**
DATE RECEIVED: 05/31/06
DATE ANALYZED: 05/31/06
DATE REPORTED: 06/01/06
Lab I.D.: 060531-32

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ECOLOGY CONTROL INDUSTRIES**
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow Hwy., Rancho Cucamonga, CA**
MATRIX: SOIL — DATE RECEIVED: 05/31/06
SAMPLING DATE: 05/31/06 — DATE ANALYZED: 05/31/06
REPORT TO: MR. DINO RODRIGUEZ — DATE REPORTED: 06/01/06
SAMPLE I.D.: **TM-6@16'** — Lab I.D.: 060531-32

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ECOLOGY CONTROL INDUSTRIES**
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow Hwy., Rancho Cucamonga, CA**
MATRIX: SOIL — DATE RECEIVED: 05/31/06
SAMPLING DATE: 05/31/06 — DATE ANALYZED: 05/31/06
REPORT TO: MR. DINO RODRIGUEZ — DATE REPORTED: 06/01/06
SAMPLE I.D.: **TM-7@16'** — Lab I.D.: 060531-33

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ECOLOGY CONTROL INDUSTRIES**
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow Hwy., Rancho Cucamonga, CA**
MATRIX: SOIL — DATE RECEIVED: 05/31/06
SAMPLING DATE: 05/31/06 — DATE ANALYZED: 05/31/06
REPORT TO: MR. DINO RODRIGUEZ — DATE REPORTED: 06/01/06
SAMPLE I.D.: **TM-7@16'** — Lab I.D.: 060531-33

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ECOLOGY CONTROL INDUSTRIES**
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow Hwy., Rancho Cucamonga, CA**
MATRIX: SOIL
SAMPLING DATE: 05/31/06
REPORT TO: MR. DINO RODRIGUEZ
SAMPLE I.D.: **TM-8@16'**
DATE RECEIVED: 05/31/06
DATE ANALYZED: 05/31/06
DATE REPORTED: 06/01/06
Lab I.D.: 060531-34

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ECOLOGY CONTROL INDUSTRIES**
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(310)628-4258 FAX(909)482-2273

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow Hwy., Rancho Cucamonga, CA**
MATRIX: SOIL — DATE RECEIVED: 05/31/06
SAMPLING DATE: 05/31/06 — DATE ANALYZED: 05/31/06
REPORT TO: MR. DINO RODRIGUEZ — DATE REPORTED: 06/01/06
SAMPLE I.D.: **TM-@@16'** — Lab I.D.: 060531-34

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
O Same Day
X 24 Hours
O 48 Hours
O 72 Hours
O 1 Week (Standard)
Other:

8015 Gas & Ch. 8260

RUSH

Misc.

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required									COMMENTS
TM-5 @ 16'	060531-31	5/31	1218	Solid	1	Ice		X	X								
TM-6 @ 16'	-32	"	1222	"	1	"		X	X								
TM-7 @ 16'	-33	"	1247	"	1	"		X	X								
TM-8 @ 16'	-34	↓	1250	↓	1	↓		X	X								

Company Name: Elabay Control Inc
Address:
City/State/Zip:

Project Contact: Dino Rodriguez
Tel: (310) 628-4258
Fax: (909) 987-2273

Sampler's Signature:

Project Name/ID: Tamco Steel
12457 Arrow Hwy
Rancho Cucamonga, CA

Relinquished by:
Relinquished by:
Relinquished by:

Received by:
Received by:
Received by:

Date & Time: 5/31/06 1570
Date & Time:
Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE - YELLOW TO CLIENT

Page ____ of ____

JUN-01-2006 13:51 ENVIRO-CHEM, INC. 9095905905 P.11/11
TOTAL P.11

SAN BERNARDINO COUNTY
FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

DAN WURL
Fire Chief

March 7, 2011

TAMCO STEEL, INC.
POST OFFICE BOX 325
RANCHO, CUCAMONGA, CA 91739
ATTN: JEFF DAMBRUN

SUBJECT: REMOVAL OF (2) UNDERGROUND STORAGE TANK AT 12459 ARROW ROUTE, RANCHO CUCAMONGA, CA 91739

The Department has received the sample results and/or closure report submitted by SHARP ENVIRONMENTAL TECHNOLOGIES, dated January 7, 2011. After review of the report prepared by you or your agent, it has been determined that the extent of contamination, or lack thereof, would indicate that no further investigation is warranted at this time.

It is important to note that this cannot be construed as a release of liability for the site or declaration that the site is free from contamination. Should further projects or environmental investigations reveal additional contaminants on site, you will be responsible and held liable for the investigation and remedial actions.

If you have any questions, please call me at (909) 386-8419.

Jackson Crutsinger

JACKSON CRUTSINGER, R.E.H.S., R.H.S.P.
HAZARDOUS MATERIALS SPECIALIST III
HAZARDOUS MATERIALS DIVISION
SITE REMEDIATION/LOCAL OVERSIGHT PROGRAM

JC/ob

cc: Jeff Sharp S.E.T.

GREGORY C. DEVEREAUX
County Administrative Officer

Board of Supervisors
BRAD MITZELFELT.....First District
PAUL BIANE.....Second District
NEIL DERRY .....Third District
GARY C. OVITT.....Fourth District
JOSIE GONZALES.....Fifth District

UNDERGROUND STORAGE TANK CLOSURE REPORT

TAMCO
12459 Arrow Route B
Rancho Cucamonga, California 91739

SAN BERNARDINO COUNTY JOB CARD LOG # 111910-01
RANCHO CUCAMONGA FIRE PROTECTION DIST. # 8271

RECEIVED
FEB 07 2011
S.B. CO. FIRE DEPT.

Prepared For:
Environmental Logistics
140 W. Monte Avenue
Bloomington, California 92316

Prepared By:
Sharp Environmental Technologies, Inc.
746 W. 17th Street
San Pedro, California 90731

January 7, 2011

TABLE OF CONTENTS

Item			Page
EXECUTIVE SUMMARY			
1.0	INTRODUCTION		1
2.0	FIELD ACTIVITIES		1
	2.1	UST Removal Operations	1
	2.2	Soil Sampling	1
3.0	SITE GEOLOGY AND HYDROGEOLOGY		3
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TABLE

Table 1 - Soil Analytical Results of TPH-Diesel, BTEX and Oxygenates Sampled on November 30, 2010

FIGURES

Figure 1 - Vicinity Map
Figure 2 - General Site Plan
Figure 3 Site Plan

APPENDICES

Appendix A - UST Removal Permits
Appendix B - Uniform Hazardous Waste Manifest
Appendix C - Marine Chemist Certification and Receipt for Dry Ice
Appendix D UST Recycling Certificate and Bill of Lading
Appendix E - Laboratory and Quality Assurance/Quality Control (QA/QC) Reports and Chain-of-Custody Records

EXECUTIVE SUMMARY

Environmental Logistics was contracted to remove one (1) 300-gallon steel diesel underground storage tank (UST) at the TAMCO facility located at 12459 Arrow Route B, Rancho Cucamonga, California.

Under permit from the County of San Bernardino Fire Department and the Rancho Cucamonga Fire Protection District, Environmental Logistics removed the UST from the excavation with the UST delivered for recycling to American Metal Recycling. Laboratory analytical results of one soil sample collected beneath the former 300-gallon UST indicated concentrations of total petroleum hydrocarbons – diesel, ethylbenzene and total xylenes reported above lab detection limits. Benzene, toluene and fuel oxygenates were reported in the soil sample collected beneath the former UST at below laboratory detection limits.

Approximately 100 gallons of rinsate and UST contents were removed from the UST as part of the UST cleaning. TAMCO backfilled the excavation with a concrete slurry following the removal of the UST.

Based on the findings in this report and the analytical results presented by an independent California certified laboratory, SET recommends submittal of this report to the San Bernardino County Fire Department for their review and determination on whether further action or no further action is required at the site.

1.0 INTRODUCTION

This report summarizes underground storage tank (UST) closure operations completed at the TAMCO facility located at 12459 Arrow Route B in Rancho Cucamonga, California. Refer to ***Figure 1*** for a site vicinity map of the subject area.

The site is owned and operated by TAMCO Steel. Environmental Logistics was contracted to remove one (1) 300-gallon diesel UST at the above referenced site. The approximate location of the former UST is shown on ***Figures 2 and 3***.

Environmental Logistics performed the removal in accordance with San Bernardino County Fire Department (SBCFD) and Rancho Cucamonga Fire Protection District guidelines. In addition, Environmental Logistics received permits from SBCFD and the city of Rancho Cucamonga to remove the one underground storage tank (UST). Refer to ***Appendix A*** for copies of these permits.

2.0 FIELD ACTIVITIES

2.1 UST REMOVAL OPERATIONS

The one UST was cleaned and rinsed on November 30, 2010. A copy of the Uniform Hazardous Waste Manifest for the approximately 100 gallons of rinsate and UST liquids from the UST is provided in ***Appendix B***. On November 30, 2010, Environmental Logistics began excavation of the UST by exposing the UST with an excavator. The UST was removed from the excavation and a soil sample was collected beneath the UST on November 30, 2010 following monitoring of the UST atmosphere by a marine chemist. Refer to ***Appendix C*** for a copy of the Hazardous Waste Tank Closure Certificate. The UST atmosphere was monitored to demonstrate that satisfactory lower explosive limits (LEL), hydrogen sulfide and total oxygen content levels were achieved. All excavated soil was stockpiled near the excavation. On November 30, 2010 the UST was transported to American Metal Recycling in Fontana, California under a bill of lading. The UST recycling certificate and bill of lading are provided in ***Appendix D***.

2.2 SOIL SAMPLING

Upon completion of UST removal operations, a total of one (1) soil sample was collected from the UST excavation. The soil sample was delivered to Enviro-Chem, Inc.; a state of California certified laboratory for analysis. The approximate location where the soil sample was collected is shown on ***Figure 3***.

The soil sample was packaged in an 8 oz. Qorpak glass jar, sealed with Teflon® lined plastic lid, labeled and stored on ice in a cooler at approximately 4 degrees Celsius (°C). The sample was immediately delivered to Enviro-Chem, Inc. for testing. Refer to ***Appendix E*** for a copy of laboratory and quality assurance/quality control (QA/QC)

reports and chain-of-custody records. All sampling activities were performed under the direction of a California professional geologist.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

The site is located within the San Bernardino Valley, which marks the boundary between the Peninsular Range Province to the south, and the Transverse Range Province to the north. The Transverse Ranges consist of a set of easterly-trending mountains and geologic structures that are distinct from the general northwest-southeast trend of the other provinces of California. Regional uplift of the Transverse Ranges has occurred along the San Andreas Fault zone, located approximately 10 miles to the northeast of the site. A series of thrust faults and sub-parallel strike slip faults creates the well-defined San Andreas Fault zone along the southern foothills of the Transverse Ranges through the Cajon Pass.

The Peninsular Range Province is characterized generally by structurally controlled, elongated northwesterly-trending valleys and mountains with elevated erosional surfaces. The eastern portion of the province has been extensively uplifted by faulting and represents the highest and most rugged terrain. From the east, the province gradually descends to the west toward the Pacific Ocean. The Peninsular Ranges are traversed by numerous northwest trending faults creating and subdividing the province into many sub-parallel, northwest trending ranges and valleys. The northwesterly trending mountains and valleys are flanked by regional faults, many of them remain active today, including the San Andreas, San Jacinto, and Elsinore Fault zones.

Locally, the site is underlain by alluvial deposits that have accumulated within the greater San Bernardino Valley area mainly as outwash from the Deer Canyon and Day Canyon drainages to the north. These deposits consist mainly of sands, silt, sand and gravel with minor occurrences of clay. Boulders and cobbles are also present in the northern portion of the valley near the drainage source. The alluvial sediments near the ground surface consist of primarily of unconsolidated silts and sands with minor amounts of gravels.

The Geotracker database from the Regional Water Quality Control Board indicated depth to water at the ARCO Station # 5205 located at 25715 Rancho Cucamonga Boulevard in Rancho Cucamonga, CA 92373 was approximately 150 feet below the ground surface as measured on May, 2002. The ARCO station is approximately 5 miles southwest of the subject site at a surface elevation of the ARCO station at approximately 1120 feet above MSL, which is approximately 40 feet lower in elevation then the subject site.

4.0 LABORATORY ANALYSIS

4.1 METHODS OF ANALYSIS

Soil samples were collected, maintained, prepared and analyzed according to Test Methods for Evaluating Solid Waste, (SW-846), Third Edition, Update #4A, May 1998. These methods, as prescribed by the U.S. Environmental Protection Agency (EPA), provide test procedures, which determine that petroleum based hydrocarbons are not considered a hazardous waste within the definition of the Resource Conservation and Recovery Act.

The soil sample (Tamco 1 @ 6'. 5") collected during UST removal activities was analyzed by Enviro-Chem Inc. of Pomona, California for total petroleum hydrocarbons – diesel (TPH-D) and for BTEX and oxygenates by EPA Method 8260B.

4.2 RESULTS OF ANALYSIS

Concentrations of TPH-D were reported at 1,720 milligrams per kilogram (mg/kg). Additionally, elevated concentrations of ethylbenzene and total xylenes were reported in soil sample Tamco 1 @ 6'. 5" at 57 micrograms per kilogram (µg/kg) and 423 µg/kg, respectively.

Benzene, toluene and fuel oxygenates were reported below laboratory detection limits in soil sample Tamco 1 @ 6'. 5". Refer to ***Table 1*** for a summary of TPH-D, BTEX and oxygenates analytical results. The laboratory analytical report and quality control/quality assurance reports including chain of custodies are provided in ***Appendix E***.

5.0 CONCLUSIONS AND RECOMMENDATIONS

On November 30, 2010 Environmental Logistics performed the removal of 1 300-gallon steel diesel UST at the TAMCO facility located at 12459 Arrow Route B in Rancho Cucamonga, California. Environmental Logistics followed all applicable state, county and local guidelines during the site activities at the above referenced site.

One soil sample (Tamco 1 @ 6'.5") was collected beneath the former UST. Analytical results for TPH-D, ethylbenzene and total xylenes were reported with elevated concentrations above the laboratory detection limits. Groundwater was not encountered during field activities.

Based on the findings and analytical results as presented in this report, SET recommends submittal of this report to the local oversight agency (San Bernardino County Fire Department) for their review and comment whether they consider any further action necessary at this site based on the soil analytical results.

6.0 LIMITATIONS

SET performs professional services using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings are based primarily upon analytical results provided by an independent laboratory. Interpretations of the subsurface conditions at the site, for the purpose of this investigation, are made from a limited number of available soil sample locations. Subsurface conditions may vary from one location to another location.

SET appreciates the opportunity to provide environmental management services for Environmental Logistics. If you have any questions regarding the report or require additional information, please feel free to call us at (310) 505-3675.

Sincerely,
Sharp Environmental Technologies, Inc.

Jeffrey E. Sharp
Principal Geologist, P.G. # 6777



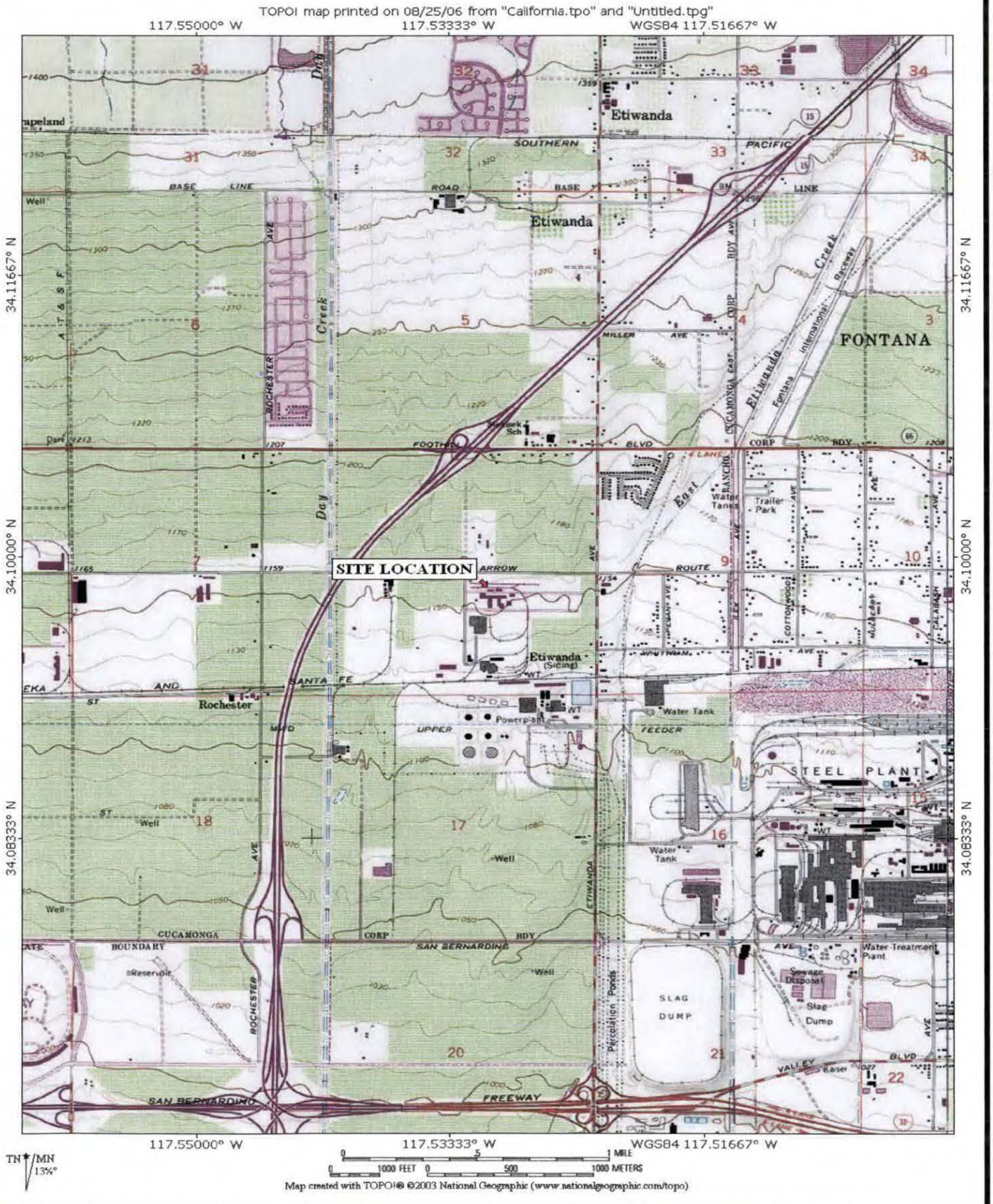
TABLE

TABLE 1
Soil Analytical Results for TPH-Diesel, BTEX and Oxygenates
TAMCO
12459 Arrow Route B, Rancho Cucamonga, CA

Sample ID	TPH-D	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	All Other Oxygenates
UNITS	mg/kg	µg/kg					
Sampled on November 30, 2010							
Tamco 1 @ 6'. 5"	**1,720**	< 5.0	< 5.0	**57**	**423**	< 5.0	ND

NOTES:
PQL = Practical Quantitation Limits Provided in Laboratory Report
Units = As Indicated on Table Above
TPH-D= Total Petroleum Hydrocarbons – Diesel
ND = Non-Detected or Below The Actual Detection Limit (Dilution Factor x PQL)

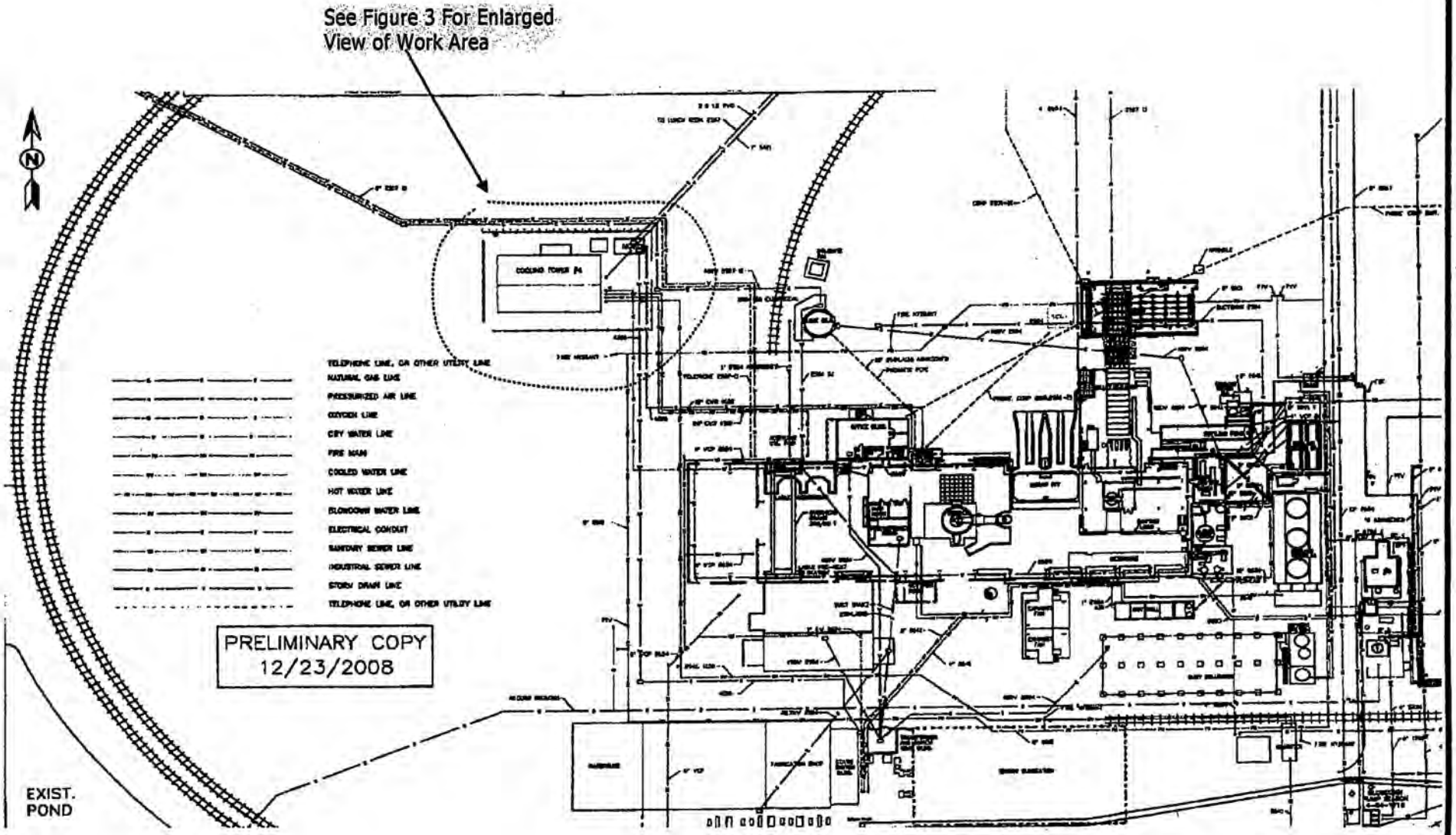
FIGURES



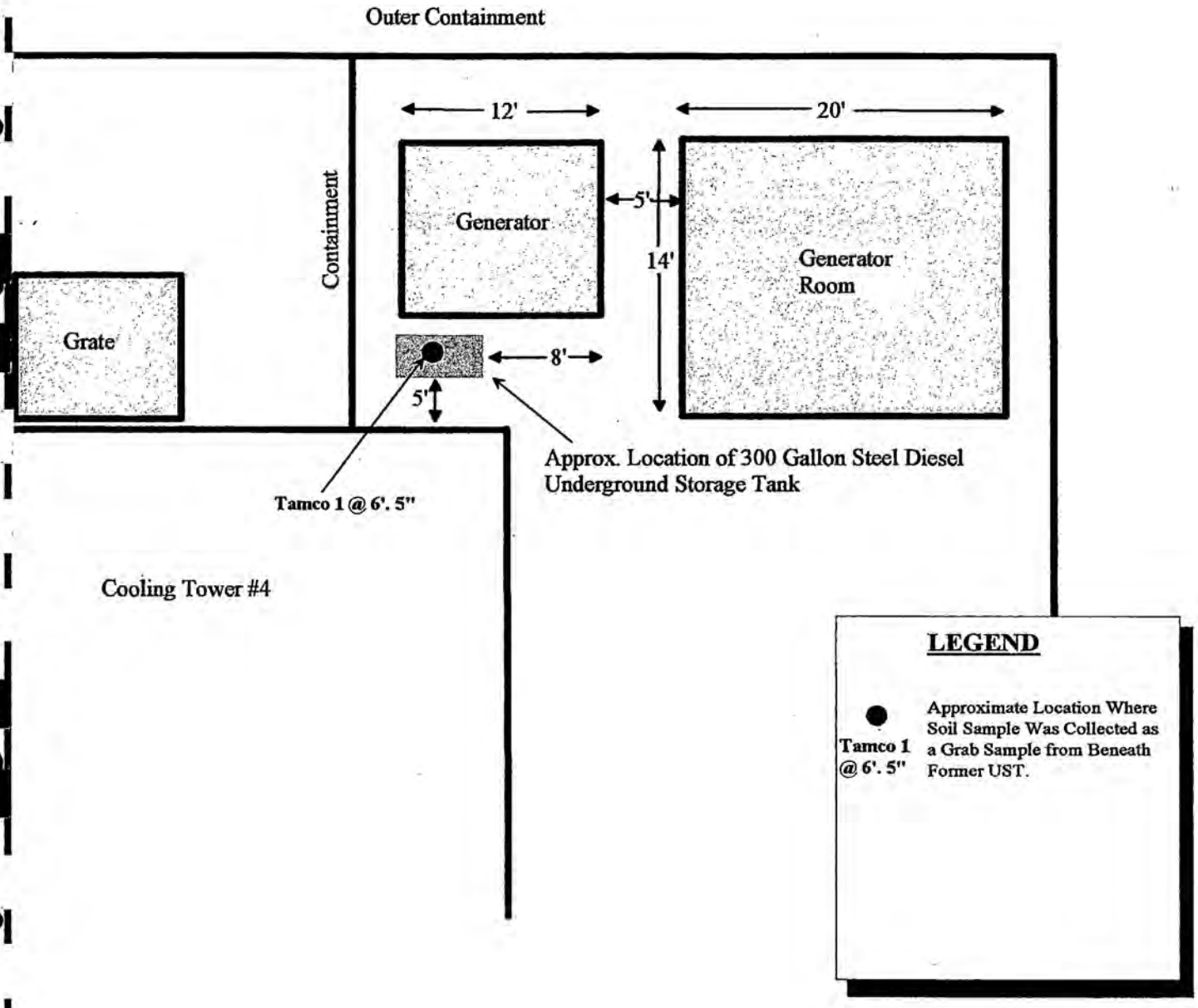
Reference: National Geographic Topo!
Guasti, CA 1978, revised 1981

SHARP ENVIRONMENTAL TECHNOLOGIES, INC.
746 W 17TH STREET
SAN PEDRO, CA. 90731
(310) 505-3675

FIGURE 1
Site Vicinity Map
TAMCO
12459 Arrow Route B
Rancho Cucamonga, California



No Scale	N	**SHARP ENVIRONMENTAL TECHNOLOGIES, INC.** 746 W 17TH STREET, SAN PEDRO, CA. 90731 (310) 505-3675, FAX 310-548-3935	**FIGURE 2** **General Site Plan** **TAMCO** 12459 Arrow Route B Rancho Cucamonga, California 91739



N

PROJECT No.:
DATE:12/2010
FILE:FIGURE2.dsf

0 15 30
APPROXIMATE SCALE IN FEET

SHARP ENVIRONMENTAL TECHNOLOGIES, INC.
746 W 17TH STREET, SAN PEDRO, CA. 90731
(310) 505-3675, FAX 310-548-3935

FIGURE 3
Site Plan
TAMCO
12459 Arrow Route B
Rancho Cucamonga, California 91739

APPENDIX A

UST REMOVAL PERMITS

30th 1300

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ 476 First Tank

$ _____ Each Additional Tank

Number of Tanks this Application 1

JOB LOCATION

Facility Name	Contact Person	Phone No.
Tamco Steel Inc	Jeff Dambrun	(909) 899-0660 5291
Situs Address	**City**	**Zip Code**
12459 Arrow Route	Rancho Cucamonga CA	91739
Water/Sewer Agency	**Fire**	
Rancho Cucamonga	Rancho Cucamonga Fire	

PROPERTY OWNER

Name		Phone No.
TAMCO INC		(909) 899 - 0660
Mailing Address	**City**	**Zip Code**
PO Box 325	RANCHO CUCAMONGA	91739
Owner's Representative		**Phone No.**
JAMES CROMPTON		(909) 646 - 7883

TANK CONTENTS

1- 300 gal Diesel Fuel Tank

CONTRACTOR

Company Name	Contact Person	Phone No.
Environmental logistics	Dino Rodriguez	(909) 721-2318
Mailing Address	**City**	**Zip Code**
PO Box 806	Colton CA	92324
Workman's Comp Insurance Carrier	**Policy No.**	
Zurich American Inc	WC6555758 00	10/28/10
State Contractor's License No.	**Types of Licenses**	**Expiration Date**
927360	A-HAZ	01/31/11

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

JEFFREY C DAMBRUN
Print Name Clearly

Signature

(909) 899-0660 x 5291
Phone

11-17-10
Date

OFFICE USE ONLY

Under Permit ☐ No ☒ Yes — FA0006582 Facility I.D. Number

Number of Tanks 2

Fees Current ☐ No ☒ Yes — Delinquent Amount — 7-31-2011 Expiration Date

476.00 / 160345
Permit Fee Paid THIS Application / Receipt Number

Check Number 11-17-10

Date Paid 5/14/11

Taken by 111710-01 / 10106
Log Number / Job Card Number

03-19991-670 Rev. 12/02

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

F+H
6502

LOG # H1910-01 JOB CARD NO. 10106

INSTALL _____ REMOVE 1

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name Tanaka
Address 12459 Arrow Rte Sierra Ranchos Cucamonga
Contractor Environmental Logistics
Address/Phone Dino 909 899-0668

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X _____		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 20 Days

FOR INSPECTION CALL [redacted] IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 8-29-2011

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

DISTRIBUTION: *White — County Fire Department*
Green — Contractor/Owner

14-16867-670 Rev. 2/03

8271

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
PERMIT

NAME OF BUSINESS: **Environmental Logistics** DATE ISSUED: **11-22-2010**

ADDRESS: **PO Box 806, Colton, CA** PHONE: **909-721-2318**

TO: (Type of permitted use / activity)

Tank Removal (1) 300 Gallon
Start Date: 11-29-10 8:00AM
Finish Date: 12-1-10

AT: (Location of permitted use / activity) **12459 Arrow Rt (Tamco Steel)** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: **Contact Dino Rodriguez 909-731-2318**

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.This permit shall expire on the last day of the month one year from the application date

Expiration Date: **12-1-2010**

Issued By: **Rob Ball**

Title: **Fire Marshal**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 3/2008

APPENDIX B

UNIFORM HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CA D982361404 CA0000828102 L	1	888-641-2318	007628536 JJK

GENERATOR

5. Generator's Name and Mailing Address: Tamco Steel Hwy 12459 Arrow Route B Rancho Cucamonga CA 91739 Jeff DamBrun
Generator's Phone: 909-899-0660

Generator's Site Address (if different than mailing address): 12459 Arrow Hwy B Etiwanda, CA 91739

6. Transporter 1 Company Name: Environmental logistics
U.S. EPA ID Number: CAR000172760

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Filter Recycling 180 Westmonte St Bloomington CA 92316
Facility's Phone: (909) 873-4141
U.S. EPA ID Number: CAD982444481

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON RCRA Hazardous waste Liquid (Waste Diesel Fuel From Tank Clean out)	002	DM	100	G	331
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Gal Waste Diesel Fuel From Tank Clean out Profile # 10113015
Wear Proper PPE When Handling waste 2455 E2970

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JEFF DAMBRUN
Signature
Month: 11 Day: 30 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jesus Garcia
Signature
Month: 11 Day: 30 Year: 10
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name: Steven Mestas
Signature
Month: 12 Day: 1 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

APPENDIX C

MARINE CHEMIST CERTIFICATE and RECEIPT FOR DRY ICE

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

Page 1 of 1

SINGLE-WALL STEEL TANK, ASPHALT-WRAPPED; 300-GALLON CAPACITY

CGI: Gastech GT402 #9644235

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3 | FACILITY ID# 1

TANK OWNER NAME: TAMCO STEEL 740

TANK OWNER ADDRESS: 12459-B ARROW (HIGHWAY) ROUTE 741

TANK OWNER CITY: RANCHO CUCAMONGA 742 | STATE: CALIFORNIA 743 | ZIP CODE: 91739 744

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, %			Concentration of Oxygen, %		
		Top	Center	Bottom	Top	Center	Bottom
1	1130/1 745	<1 (0 ppm) 746a	<1 (0 ppm) 746b	<1 (0 ppm) 746c	20.9 747a	20.9 747b	20.9 747c
2	748	749a	749b	749c	750a	750b	750c
3	751	752a	752b	752c	753a	753b	753c

~ 540 ppm = 1% Methane LEL

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residue of tank contents), rinsate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Nancy A. Carraway

NAME OF CERTIFIER (Print) 754: Nancy CarraWay

TITLE OF CERTIFIER 755a: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7661

DATE 759: 11/30/2010

CERTIFICATION TIME: 8:02 am - 8:08 am

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760

☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761
~~SAN BERNARDINO COUNTY FIRE DEPARTMENT~~
RANCHO CUCAMONGA FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

☒ a. Certified Industrial Hygienist (CIH)

☐ b. Certified Safety Professional (CSP)

☐ c. Certified Marine Chemist (CMC)

☐ d. Registered Environmental Health Specialist (REHS)

☐ e. Professional Engineer (PE)

☐ f. Class II Registered Environmental Assessor

☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS: DIESEL FUEL 763

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☑ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

Inert tank interior before using sparking tools on or near tank. Tank is not suitable for food or potable water storage, for personnel entry, or for hot work. Tank is suitable for cold work.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

ONTARIO ICE & COLD STORAGE, INC.

541 East Emporia Street
ONTARIO, CALIFORNIA 91761-1799
(909) 984-4111

CUSTOMER'S ORDER NO.	PHONE	DATE
	/	11-30-2010

NAME Cash Sale

ADDRESS

CASH	C.O.D	CHARGE	ON ACCT.	MDSE. RET'D	PAID OUT	
✓						

QUTY.	DESCRIPTION	PRICE	AMOUNT
10#	Dry Ice - Taxable 1.10		11 00
	Dry Ice - Non-Taxable		
		TAX	
SOLD BY MG	RECEIVED BY	TOTAL	11 00

21645

All claims and returned goods MUST be accompanied by this bill.

Thank You!

PRODUCT 2530

APPENDIX D

UST RECYCLING CERTIFICATE AND BILL OF LADING

Reorder from: **IBS Printing** (909) 902-1001 • (800) 330-1232

AMERICAN METAL RECYCLING

11150 REDWOOD AVE. • FONTANA, CA 92337
(909) 988-8000

№ 65322

TANK DISPOSAL FORM

Date: 11/30/10
Job#
P.O.#

CONTRACTOR: Environmental Logistics
ADDRESS: 160 West Monte Ave Rialto CA. 92316
JOB SITE: Tamco Steel
ADDRESS: 12459-B Arrow Highway Rch. C. CA 91739
DESTINATION: **A.M.R. 11150 REDWOOD AVE., FONTANA, CA 92337**

DATE	TIME	PROJECTED TANKS	ORDERED BY:	LIC. NO.

SPECIAL INSTRUCTIONS: (1) 300 gallon

TIME IN:
TIME OUT:

✔	Services Rendered	Cost
____	Disposal Fee	
____	Extensive Loading Time	
____	Disposal Fee with Permit	
____	Fiberglass Tank Disposal Fee Per Tank	
____	Fiberglass Delivered	
____	Bobtail Disposal	
____	Cancellation Fee	
	TOTAL CHARGES	$

All fees incurred are per load unless specified. Terms are net 30 days from date of invoice. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

CONTRACTOR'S SIGNATURE

TANKS RECEIVED

QTY	GALLONS	TYPE F* S*	NET TONS	TOTAL
1	~~300~~ 280	☐ ☐	.14	
	500	☐ ☐	.21	
	550	☐ ☐	.24	
	1000 - 12 ft.	☐ ☐	.44	
	1000 - 6 ft.	☐ ☐	.61	
	1500	☐ ☐	.87	
	2000	☐ ☐	.97	
	2500	☐ ☐	1.14	
	3000	☐ ☐	1.32	
	4000	☐ ☐	1.64	
	5000	☐ ☐	2.42	
	6000	☐ ☐	2.84	
	7500	☐ ☐	3.26	
	8000	☐ ☐	3.44	
	9000	☐ ☐	3.82	
	10000	☐ ☐	4.33	
	12000	☐ ☐	4.93	

NO. OF TANKS: 1 TOTAL NET TONS: ____

*F - FIBERGLASS *S - STEEL T05

CERTIFICATE OF TANK DISPOSAL / DESTRUCTION

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PUROSES ONLY.

Roque Doyle
AUTHORIZED REP.

11/30/10
DATE

FORM 3847 QUADRUPLICATE

ALTERNATE STRAIGHT BILL OF LADING - SHORT FORM

Original – Not Negotiable

Shipper No. _____

Carrier No. _____

Date 11/30/10

Environmental logistics
(Name of Carrier)

TO:	FROM:
Consignee American metal Recycling	Shipper Tamco Steel
Street 11150 Redwood Ave	Street 12459 Arrow Route
Destination Fontana CA Zip Code 92335	Origin Rancho Cucamonga Zip Code 91739
Route:	Vehicle Number / EMERGENCY RESPONSE PHONE NO.

No. Shipping Units	+ HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	Rate	CHARGES (for Carrier use only)
1-30 gal		Clean Empty Fuel Storage Tank	500 lb		

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐ $
COLLECT ☐

"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ _____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
Check Appropriate Box:
☐ Freight prepaid ☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

"This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation."

SHIPPER Tamco Steel	CARRIER Environmental logistics
PER Jeff Dambrun	PER _____ DATE 11/30/10
Permanent post office address of shipper	+ MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF FEDERAL REGULATIONS.

APPENDIX E

LABORATORY AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) REPORTS AND CHAIN-OF-CUSTODY RECORDS

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: December 7, 2010

Mr. Dino Rodriguez
Filter Recycling
180 W. Monte Avenue
Rialto, CA 92316
Tel(909)489-8434 Fax(909)546-1546

Project: **Tamco Steel**
Location: **12459 Arrow, Rancho Cucamonga, CA**
Lab I.D.: **101130-8**

Dear Mr. Rodriguez:

The **analytical results** for the soil sample, received by our laboratory on November 30, 2010, are attached. The sample was received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Eric Lu, Ph.D.
Chief Chemist

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 · Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **FILTER RECYCLING**
180 W. Monte Avenue, Rialto, CA 92316
TEL(909)489-8434 FAX(909)546-1546

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow, Rancho Cucamonga, CA**

MATRIX: SOIL
SAMPLING DATE: 11/30/10
REPORT TO: MR. DINO RODRIGUEZ

DATE RECEIVED: 11/30/10
DATE EXTRACTED: 12/02/10
DATE ANALYZED: 12/02/10
DATE REPORTED: 12/07/10

C11-C22 HYDROCARBONS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C11-C22 RESULT	DF
Tamco 1 @ 6'.5"	101130-8	1720	10
Method Blank		ND	1
	PQL	10	

COMMENTS
C11-C22 = DIESEL RANGE
PQL = PRACTICAL QUANTITATION LIMIT
DF = DILUTION FACTOR
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **FILTER RECYCLING**
180 W. Monte Avenue, Rialto, CA 92316
TEL(909)489-8434 FAX(909)546-1546

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow, Rancho Cucamonga, CA**
MATRIX: SOIL
SAMPLING DATE: 11/30/10
REPORT TO: MR. DINO RODRIGUEZ
DATE RECEIVED: 11/30/10
DATE ANALYZED: 11/30/10
DATE REPORTED: 12/07/10

EPA 5030B/8260B FOR BTEX
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	DF
Tamco 1 @ 6'.5"	101130-8	ND	ND	0.057	0.423	10
Method Blank		ND	ND	ND	ND	1
	PQL	0.005	0.005	0.005	0.010	

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **FILTER RECYCLING**
180 W. Monte Avenue, Rialto, CA 92316
TEL(909)489-8434 FAX(909)546-1546

PROJECT: **Tamco Steel**
LOCATION: **12459 Arrow, Rancho Cucamonga, CA**
MATRIX: SOIL
SAMPLING DATE: 11/30/10
REPORT TO: MR. DINO RODRIGUEZ
DATE RECEIVED: 11/30/10
DATE ANALYZED: 11/30/10
DATE REPORTED: 12/07/10

EPA 5030B/8260B FOR FUEL OXYGENATES
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	ETBE	DIPE	MTBE	TAME	TBA	DF
Tamco 1 @ 6'.5"	101130-8	ND	ND	ND	ND	ND	10
Method Blank		ND	ND	ND	ND	ND	1
	PQL	0.01	0.01	0.005	0.01	0.05	

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
ETBE = ETHYL tert-BUTYL ETHER DIPE = ISOPROPYL ETHER
MTBE = METHYL tert-BUTYL ETHER TAME = TERT-AMYL METHYL ETHER
TBA = TERTIARY BUTYL ALCOHOL

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc. Laboratories
2214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
- O Same Day
- O 24 Hours
- O 48 Hours
- O 72 Hours
- ● 1 Week (Standard)
- Other:

Misc.

PO# 170003

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8260 BTEX MTBE	8015-D	COMMENTS
Tanco 1@ 6.5'	101130-8	11/30	1315	Soil	1	Ice	N/A	X	X	
				40z		4°C				

Analysis Required

Company Name: Filter Recycling

Address:

City/State/Zip:

Project Contact: Dino Rodriguez

Tel: 909-714-8965

Fax:

Sampler's Signature:

Project Name/ID: Tanco Steel
12459 Arrow
Rancho Cucamonga CA

Relinquished by:	Received by:	11/30/10	1700
Relinquished by:	Received by:	Date & Time:	
Relinquished by:	Received by:	Date & Time:	

Instructions for Sample Storage After Analysis
- O Dispose of O Return to Client O Store (30 Days)
- O Other:

CHAIN OF CUSTODY RECORD

Page 1 of 1

Received Time Dec. 7. 2010 11:56AM No. 0778
DEC-07-2010 00:04 ENVIRO-CHEM, INC 9095905907 P.05/05

TAMCO

JEFF DAMBRUN

ENVIRONMENTAL ENGINEER

12459-B Arrow Route
P.O. Box 325
Rancho Cucamonga, CA 91739
Website: www.tamcosteel.com

TELE: (909) 899-0660 Ext. 5291
CELL: (909) 732-6919
FAX: (909) 899-8375
E-MAIL: dambrunj@tamcosteel.com

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street • San Bernardino, CA 92415-0153 • (909) 386-8401 • Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Monica S. Ronchetti
Fire Marshal

8/29/2023

BTC III AROOW ROUTE CC LP
4675 MAC ARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660

ATTENTION: Daniel Zaragoza (dzarafoza@rouxinc.com)

SUBJECT: CLOSURE OF UNDERGROUND STORAGE TANK(S) (USTS)
LOCATED AT 12459 ARROW ROUTE B
RANCHO CUCAMONGA, CA 91739
(FA0006582, SR0202355, CERS ID 10152245)

On **6/28/2023** Inspector **Mary Zakhary** of San Bernardino County Fire Protection District Certified Unified Program Agency (CUPA) witnessed closure of UST(s) and associated soil and/or groundwater sampling at the above referenced location.

The following UST(s) were removed:

- One (1) 10,000-gallon single walled Found UST

No other USTs remain on site.

A copy of the closure report prepared by Roux Associates, Inc. has been received by this CUPA.

This CUPA has reviewed the UST closure documentation and approves the UST closure as properly completed in accordance with California Health and Safety Code (HSC), Chapter 6.7, Section 25298(c) and the California Code of Regulations (CCR), Title 23, Section 2670 & 2672.

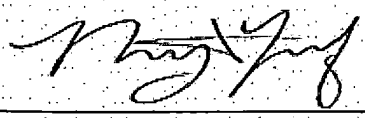
Please be advised that the inactivation of the UST operating permit does not relieve you of the responsibility to clean up existing, additional, or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance, or otherwise pose a threat to water quality or public health. This correspondence and a copy of the closure report will be provided to the local Regional Water Quality Control Board which may have additional requirements.

If you have any questions, please contact our office at (909) 386-8401.

BOARD OF DIRECTORS

Col. Paul Cook (Ret.)	Janice Rutherford	Dawn Rowe	Curt Hagman	Joe Baca, Jr.	Leonard X. Hernandez
First District	Second District	Vice Chair, Third District	Chairman, Fourth District	Fifth District	Chief Executive Officer

Sincerely,



Mary Zakhary, REHS, ICC-UI
Hazardous Materials Specialist
Hazardous Materials Section

Electronic CC: RWQCB Region 8 Santa Ana - Maile S. Gee (Maile.Gee@waterboards.ca.gov)
Attachment: UST Closure Documentation

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street • San Bernardino, CA 92415-0153 • (909) 386-8401 • Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Monica S. Ronchetti
Fire Marshal

7/18/2023

BTC III AROOW ROUTE CC LP
4675 MAC ARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660

ATTENTION: Pat Foley (mfoley@aresmgmt.com)

SUBJECT: CLOSURE OF UNDERGROUND STORAGE TANK(S) (USTS)
LOCATED AT 12459 ARROW ROUTE B
RANCHO CUCAMONGA, CA 91739
(FA0006582, SR0202355, CERS ID 10152245)

On **12/13/2022** Inspector **Gerrit Kovach** of San Bernardino County Fire Protection District Certified Unified Program Agency (CUPA) witnessed closure of UST(s) and associated soil and/or groundwater sampling at the above referenced location.

The following UST(s) were removed:
- CERS Tank ID # 10152245-001: 10,000-gallon Diesel UST
- CERS Tank ID # 10035484-002: 2,000-gallon Regular Unleaded UST

No other USTs remain on site.

A copy of the closure report prepared by Roux Associates, Inc. has been received by this CUPA.

This CUPA has reviewed the UST closure documentation and approves the UST closure as properly completed in accordance with California Health and Safety Code (HSC), Chapter 6.7, Section 25298(c) and the California Code of Regulations (CCR), Title 23, Section 2670 & 2672. The UST operating permits from this CUPA will be inactivated.

Please be advised that the inactivation of the UST operating permit does not relieve you of the responsibility to clean up existing, additional, or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance, or otherwise pose a threat to water quality or public health. This correspondence and a copy of the closure report will be provided to the local Regional Water Quality Control Board which may have additional requirements.

If you have any questions, please contact our office at (909) 386-8401.

BOARD OF DIRECTORS

Col. Paul Cook (Ret.)	Janice Rutherford	Dawn Rowe	Curt Hagman	Joe Baca, Jr.	Leonard X. Hernandez
First District	Second District	Vice Chair, Third District	Chairman, Fourth District	Fifth District	Chief Executive Officer

Sincerely,

Gerrit Kovach, REHS, ICC-UI
Hazardous Materials Specialist
Hazardous Materials Section

Electronic CC: RWQCB Region 8 Santa Ana - Maile S. Gee (Maile.Gee@waterboards.ca.gov)
Attachment: UST Closure Documentation

ROUX

Underground Storage Tank Closure Report

12451 Arrow Route
Rancho Cucamonga, California

June 23, 2023

Prepared for:

BTC III Arrow Route CC LP

Prepared by:

Roux Associates, Inc.
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California, 90804

3200.0007L117/R

Environmental Consulting
& Management
+1.800.322.ROUX
rouxinc.com

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C. Rancho Cucamonga Building and Safety Department Building Permit
D. Uniform Hazardous Waste Manifest
E. Hazardous Waste Tank Closure Certification
F. UST Recycling Receipt
G. Photographic Log
H. Laboratory Analytical Results

1. Introduction

Roux Associates, Inc, (Roux) has prepared this *Underground Storage Tank Closure Report* (Report) on behalf of BTC III Arrow Route CC LP. This Report summarizes the findings, observations, soil sampling, and laboratory analysis conducted during the excavation, permanent removal, and closure of a dual-compartment underground storage tank (UST) comprised of one 10,000-gallon diesel compartment and one 2,000-gallon gasoline compartment and the associated product piping. The UST was removed from the industrial property located at 12451 Arrow Route, Rancho Cucamonga, California (the Site; Figure 1).

The purpose of this Report is to provide all necessary documentation (including permitting, disposal manifests, and certificate of recycling), general observations during UST removal, and laboratory analytical results of soil confirmation samples collected beneath the UST. This Report satisfies the requirements of the San Bernardino County Fire Protection District (SBCFPD) and the Rancho Cucamonga Fire Protection District (RCFPD) UST closure reporting requirements.

The property owner and responsible party is:

BTC III Arrow Route CC LP
12459 Arrow Route
Rancho Cucamonga, CA

1.1 Site Description and Background

The Site is located at 12451 Arrow Route, Rancho Cucamonga, San Bernardino County, California, Assessor's Parcel Numbers (APNs) 0229-121-34, 0229-121-33, 0229-131-19, and 0229-121-35 (Parcels 1 through 4, respectively) and consists of approximately 95 acres of land bound by Arrow Route to the north and the Atchison Topeka and Santa Fe Railroad to the south, see Figure 2. Additional addresses used at the Site include 12343, 12353, 12455, and 12459-B Arrow Route. The Site was historically occupied by Commercial Metals Company (CMC), a steel mill which was primarily located on Parcel 3. The Site was also occupied by CMC Rebar, a limited rebar manufacturing facility, and Phoenix Industries, a slag processing facility located on Parcels 4 and 2, respectively. Parcel 1 was not developed with any permanent structures and was primarily used for equipment and material storage. Steel mill operations existed on Site from the 1950s until 2019 when milling operations were phased out.

The location of the UST at the northwest portion of Parcel 3 (Figures 2 and 3) was determined by surface features and prior geophysical investigation conducted by Roux and others.

1.2 Regional Geology

The Site is located along the northeastern portion of the Chino Subbasin within the Upper Santa Ana Valley Groundwater Basin. The regional geology at the Site consists of consolidated and semi-consolidated Quaternary deposits of alluvium, lake, playa, and terrace. Soils on the site can generally be described as sand, sand with gravel, and sand with silt. The soil on Parcel 3 where the UST was located consists of sand or sand with silt to 5 feet below ground surface (bgs), sand with silt to 29 feet bgs, and a dense silty layer from 29 to 34 feet bgs. Depth to groundwater is approximately 430 feet bgs and the groundwater has an overall southwest gradient.

2. Field Activities

All activities performed and detailed as part of this Report were conducted under the supervision of a registered California Professional Geologist.

2.1 Pre-Field Activities

Prior to the start of UST removal field activities, Roux prepared a Site-specific HASP to ensure worker safety. In addition to containing information regarding Roux's standard safety practices, the HASP describes potential hazards relating to Site activities and provides the locations and contact information of nearby emergency services. The HASP was kept on Site when fieldwork occurred and was reviewed and signed by Site workers during the daily tailgate health and safety meeting prior to work each day.

2.2 Permitting

Three permits were required during removal of the UST. An SBCFPD UST Closure Permit (SR0202355) was obtained and dated February 18, 2022 (Appendix A). An RCFPD Permit to Abandon/Remove Hazardous Materials Storage Tank (FSE2022-00007) was obtained and dated November 1, 2022 (Appendix B). A Building Permit issued by the City of Rancho Cucamonga Building and Safety Department was obtained on November 2, 2022 (Appendix C).

2.3 UST Removal

The location of the UST in the northwest portion of Parcel 3 (Figures 2 and 3) was determined by surface features and prior geophysical investigations conducted by Roux and others. The dual-compartment UST was comprised of one 10,000-gallon diesel compartment and one 2,000-gallon gasoline compartment with a double wall steel construction. The product dispensers were located directly above the tank and all piping was located above the tank as well.

The UST removal activities were conducted from December 5, 2022 through December 12, 2022. On December 5, 2022, Silverado Contractors, Inc. (Silverado) began excavation activities under the oversight of RCFPD Inspector Graciano. Overlying concrete debris was stockpiled north of the UST. During the excavation, Roux personnel monitored the excavated soil with a photo-ionization detector (PID) calibrated to 100 parts per million (ppm) hexane gas per South Coast Air Quality Management District (SCAQMD) Rule 1166 requirements; performed under Roux's Various Locations Permit (ID 189893). Excavation of the soil continued until the top portion of the tank was exposed, allowing access to clean the UST.

On December 6, 2022, West Coast Environmental Solutions (West Coast) began to clean the tank compartments with pressurized water. The residual tank contents and cleaning rinsate were evacuated via vacuum truck. Approximately 3,100 gallons of liquid were collected and transported off-Site by South Bay Industrial Services, Inc. as non-RCRA hazardous waste under Hazardous Waste Generator ID CAD982361404. A copy of the hazardous waste manifest is included as an attachment to this Report (Appendix D). At the end of the day, the tank could not be certified clean so activities were ceased.

On December 12, 2022, West Coast resumed UST cleaning activities with Inspector Graciano (RCFPD) and Inspector Kovach (SBCFPD) present. An additional 1,800 gallons of rinsate were removed from the UST and transported off-Site by West Coast under Hazardous Waste Generator ID CAD982361404 (Appendix D). Both UST compartments were certified clean by Ms. Nancy Carraway, Certified Industrial Hygienist

(CIH), as recyclable metal. A flame ionization detector (FID) was used to confirm the tank atmosphere was safe for cutting. The Hazardous Waste Tank Closure Certification is included in Appendix E.

Two windows were cut in the top of the tank (one for each compartment) to place dry ice into the UST to render it inert per RCFPD guidelines (25 pounds of dry ice per 1,000 gallons of UST capacity). Once the Lower Explosive Limit (LEL) was again confirmed to be zero percent and the concentration of oxygen 20.9 percent, the UST was deemed ready for removal. The UST and associated piping was then removed and placed on a truck for immediate transport and disposal. The UST was transported to SA Recycling located at 15615 Arrow Highway, Fontana, California 92335. The Tank Recycling Receipt is included in Appendix F. The tank was observed to be in very good condition, with no visible holes, corrosion, or wear, and there were no field observations (visual or olfactory) of impacted soil beneath the tank that may indicate a release. Tank piping was also observed to be in good condition with no indications of a release.

Following removal of the UST, confirmation soil samples were collected and the excavation was secured pending receipt of laboratory analytical results, discussed below. A photographic log is included as Appendix G.

2.4 Confirmation Sampling Procedures and Laboratory Analysis

Roux personnel collected confirmation soil samples per the UST removal permit requirements and under the supervision/direction of the SBCFPD and RCFPD inspectors on December 6 and December 12, 2022. Two composited soil samples (SS-1 and SS-2) were collected from the two stockpiles generated on December 6, 2022. The samples were collected at randomized locations within the stockpiles at least 6 inches below the stockpile surface with a spade.

On December 12, 2022 following removal of the UST, two discrete confirmation samples were collected from each end of the tank invert. The samples were collected directly into the sample jars from the excavator bucket, which had been filled with soil taken from a minimum depth of 2 feet vertically into the native soil. Given the tank's north-south orientation, the samples collected were labeled accordingly as TANK-NORTH and TANK-SOUTH. During collection, no visual or olfactory evidence of hydrocarbon impact was observed, and PID readings taken from the excavator bucket at the time of sampling were below 1 ppm. Sampling equipment was decontaminated with Alconox and triple-rinsed in between sampling locations.

All soil samples were collected in laboratory provided 8-ounce jars and 40-milliliter (mL) volatile organic analysis (VOA) glass jars. Samples from each location were sub-cored and preserved in the field using procedures consistent with United States Environmental Protection Agency (USEPA) Method 5035. Soil samples were labeled, stored under proper chain-of-custody protocol, placed in an ice chest, and transported to Enthalpy Analytical, a state certified analytical laboratory in Orange, California.

All samples collected were analyzed for total petroleum hydrocarbons (TPH) in the gasoline range (C_5-C_{12}) and the diesel range (C_{10}-C_{24}) using USEPA Method 8015B and for a select list of volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes (BTEX) and fuel oxygenates methyl-tertiary-butyl ether (MTBE), tertiary-butyl alcohol (TBA), and naphthalene by USEPA Method 8260B.

3. Results

Analytical results from the soil sampling are summarized in Tables 1 and 2. VOC results were compared to Department of Toxic Substances Control (DTSC) and USEPA industrial soil screening levels (SLs) and TPH results were compared to San Francisco Regional Water Quality Control Board (SFRWQCB) commercial/industrial shallow soil screening levels. Detected analytes are summarized in the table below.

Table: Detected Analytes in Confirmation Soil Samples

Analyte [1]	Screening Level [2]	Tank bottom confirmation samples		Stockpile samples	
		TANK-NORTH	TANK-SOUTH	SS-1	SS-2
TPH-g	2,000 (SFBRWQCB)	--	--	--	--
TPH-d	1,200 (SFBRWQCB)	--	--	39	--
TBA	6,500 (USEPA)	0.013	0.012	0.0083	--
Toluene	5,300 (DTSC)	--	--	0.010	--
Ethylbenzene	25 (USEPA)	--	--	0.0084	--
Total Xylenes	2,500 (USEPA)	--	--	0.069	--
Naphthalene	6.5 (DTSC)	--	--	0.022	--

Notes:

[1] All results in units of milligrams per kilogram (mg/kg). "—" = not detected above laboratory reporting limits.

[2] Most conservative applicable screening level shown for comparison to analytical results. Refer to Tables 1 and 2 for all applicable screening levels used in the evaluation of analytical results.

As shown above, the tank bottom confirmation samples (TANK-NORTH and TANK-SOUTH) contained no detectable TPH or VOCs with the exception of tertbutyl alcohol, detected at trace concentrations several orders of magnitude below its applicable screening level. Neither TPH nor VOCs were detected in stockpile sample SS-1, and only trace concentrations of VOCs and TPH in the diesel range were detected in stockpile sample SS-2. Concentrations of all detected analytes were well below their respective screening levels.

Laboratory reports are included as Appendix H.

4. Conclusions and Recommendations

In accordance with SBCFPD and RCFPD UST closure requirements, one dual-compartment UST comprised of one 10,000-gallon diesel compartment and one 2,000-gallon gasoline compartment. The UST was excavated and removed from the Site under the supervision of a CIH and inspectors from both the SBCFPD and RCFPD on December 12, 2022. Prior to its removal, the UST was triple rinsed, certified clean by a CIH, and rendered inert by placing dry ice within the UST. The UST was lifted onto a truck, removed from the Site, and disposed of at a recycling facility.

During the UST removal, the tank appeared to be in very good condition and there was no evidence of staining or of a release beneath the UST or in the UST excavation. Confirmation soil samples collected beneath the UST showed no indication of hydrocarbon-related impacts. Based on the results of the confirmation soil sampling and the permanent removal of the UST, Roux requests formal closure be issued for the former UST at the Site.

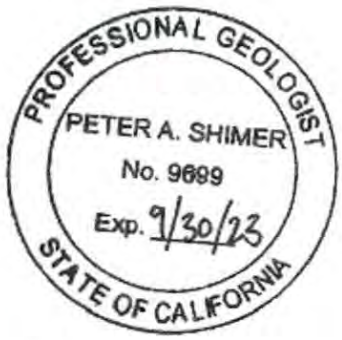
Removal and sampling activities described in this Report were performed under the supervision of the undersigned California Professional Geologist.

Roux is available to answer any questions regarding this *Underground Storage Tank Closure Report*. Please contact Peter Shimer at 925-818-6276 or via email at pshimer@rouxinc.com or Mauricio H. Escobar at 310-879-4920 or via email at mescobar@rouxinc.com.

Respectfully submitted,

ROUX ASSOCIATES, INC.

Peter Shimer, P.G.
Senior Geologist



Mauricio H. Escobar, P.G.
Principal Geologist / Vice President

The rest is in Electronic File
CDK

TABLES

1. Soil Analytical Results: Volatile Organic Compounds
2. Soil Analytical Results: Total Petroleum Hydrocarbons

5230306M

AO 88B (Rev. 02/14) Subpoena to Produce Documents, Information, or Objects or to Permit Inspection of Premises in a Civil Action

UNITED STATES DISTRICT COURT

for the
Central District of California

DP ETIWANDA, LLC
Plaintiff
v.
SIMS GROUP USA CORPORATION, et al.
Defendant

Civil Action No. 5:21-cv-01238-SSS-SP

SUBPOENA TO PRODUCE DOCUMENTS, INFORMATION, OR OBJECTS OR TO PERMIT INSPECTION OF PREMISES IN A CIVIL ACTION

To: San Bernardino County Fire Department, Hazardous Materials Division, 620 South "E" Street, San Bernardino, CA 92415-0153
(Name of person to whom this subpoena is directed)

☒ *Production:* **YOU ARE COMMANDED** to produce at the time, date, and place set forth below the following documents, electronically stored information, or objects, and to permit inspection, copying, testing, or sampling of the material:
See Attachment A

Place: Cox, Castle & Nicholson LLP 2029 Century Park East, Suite 2100, Los Angeles, CA 90067	Date and Time: 4/10/2023 at 10:00 a.m.

☐ *Inspection of Premises:* **YOU ARE COMMANDED** to permit entry onto the designated premises, land, or other property possessed or controlled by you at the time, date, and location set forth below, so that the requesting party may inspect, measure, survey, photograph, test, or sample the property or any designated object or operation on it.

Place:	Date and Time:

The following provisions of Fed. R. Civ. P. 45 are attached – Rule 45(c), relating to the place of compliance; Rule 45(d), relating to your protection as a person subject to a subpoena; and Rule 45(e) and (g), relating to your duty to respond to this subpoena and the potential consequences of not doing so.

Date: 3/3/2020

CLERK OF COURT

OR

Signature of Clerk or Deputy Clerk

Attorney's signature
Perry S. Hughes

The name, address, e-mail address, and telephone number of the attorney representing *(name of party)* Perry S. Hughes
Attorney for DP Etiwanda, LLC, who issues or requests this subpoena, are:
Cox, Castle & Nicholson LLP, 2029 Century Park East, Suite 2100, Los Angeles, CA 90067; (310) 284-2200;
phughes@coxcastle.com

Notice to the person who issues or requests this subpoena
If this subpoena commands the production of documents, electronically stored information, or tangible things or the inspection of premises before trial, a notice and a copy of the subpoena must be served on each party in this case before it is served on the person to whom it is directed. Fed. R. Civ. P. 45(a)(4).

Scheduled 3/14 - 3/15
8am - 5pm

Civil Action No. 5:21-cv-01238-SSS-SP

PROOF OF SERVICE

(This section should not be filed with the court unless required by Fed. R. Civ. P. 45.)

I received this subpoena for *(name of individual and title, if any)* _____

on *(date)* _____

☐ I served the subpoena by delivering a copy to the named person as follows: _____

_____

_____ on *(date)* _____ ; or

☐ I returned the subpoena unexecuted because: _____

_____

Unless the subpoena was issued on behalf of the United States, or one of its officers or agents, I have also tendered to the witness the fees for one day's attendance, and the mileage allowed by law, in the amount of

$ _____

My fees are $ _____ for travel and $ _____ for services, for a total of $ 0.00

I declare under penalty of perjury that this information is true.

Date: _____

_____
Server's signature

_____
Printed name and title

_____
Server's address

Additional information regarding attempted service, etc.:

Federal Rule of Civil Procedure 45 (c), (d), (e), and (g) (Effective 12/1/13)

(c) Place of Compliance.

(1) ***For a Trial, Hearing, or Deposition.*** A subpoena may command a person to attend a trial, hearing, or deposition only as follows:

(A) within 100 miles of where the person resides, is employed, or regularly transacts business in person; or

(B) within the state where the person resides, is employed, or regularly transacts business in person, if the person

(i) is a party or a party's officer; or

(ii) is commanded to attend a trial and would not incur substantial expense.

(2) ***For Other Discovery.*** A subpoena may command:

(A) production of documents, electronically stored information, or tangible things at a place within 100 miles of where the person resides, is employed, or regularly transacts business in person; and

(B) inspection of premises at the premises to be inspected.

(d) Protecting a Person Subject to a Subpoena; Enforcement.

(1) ***Avoiding Undue Burden or Expense; Sanctions.*** A party or attorney responsible for issuing and serving a subpoena must take reasonable steps to avoid imposing undue burden or expense on a person subject to the subpoena. The court for the district where compliance is required must enforce this duty and impose an appropriate sanction—which may include lost earnings and reasonable attorney's fees—on a party or attorney who fails to comply.

(2) ***Command to Produce Materials or Permit Inspection.***

(A) *Appearance Not Required.* A person commanded to produce documents, electronically stored information, or tangible things, or to permit the inspection of premises, need not appear in person at the place of production or inspection unless also commanded to appear for a deposition, hearing, or trial.

(B) *Objections.* A person commanded to produce documents or tangible things or to permit inspection may serve on the party or attorney designated in the subpoena a written objection to inspecting, copying, testing, or sampling any or all of the materials or to inspecting the premises—or to producing electronically stored information in the form or forms requested. The objection must be served before the earlier of the time specified for compliance or 14 days after the subpoena is served. If an objection is made, the following rules apply:

(i) At any time, on notice to the commanded person, the serving party may move the court for the district where compliance is required for an order compelling production or inspection.

(ii) These acts may be required only as directed in the order, and the order must protect a person who is neither a party nor a party's officer from significant expense resulting from compliance.

(3) ***Quashing or Modifying a Subpoena.***

(A) *When Required.* On timely motion, the court for the district where compliance is required must quash or modify a subpoena that:

(i) fails to allow a reasonable time to comply;

(ii) requires a person to comply beyond the geographical limits specified in Rule 45(c);

(iii) requires disclosure of privileged or other protected matter, if no exception or waiver applies; or

(iv) subjects a person to undue burden.

(B) *When Permitted.* To protect a person subject to or affected by a subpoena, the court for the district where compliance is required may, on motion, quash or modify the subpoena if it requires:

(i) disclosing a trade secret or other confidential research, development, or commercial information; or

(ii) disclosing an unretained expert's opinion or information that does not describe specific occurrences in dispute and results from the expert's study that was not requested by a party.

(C) *Specifying Conditions as an Alternative.* In the circumstances described in Rule 45(d)(3)(B), the court may, instead of quashing or modifying a subpoena, order appearance or production under specified conditions if the serving party:

(i) shows a substantial need for the testimony or material that cannot be otherwise met without undue hardship; and

(ii) ensures that the subpoenaed person will be reasonably compensated.

(e) Duties in Responding to a Subpoena.

(1) ***Producing Documents or Electronically Stored Information.*** These procedures apply to producing documents or electronically stored information:

(A) *Documents.* A person responding to a subpoena to produce documents must produce them as they are kept in the ordinary course of business or must organize and label them to correspond to the categories in the demand.

(B) *Form for Producing Electronically Stored Information Not Specified.* If a subpoena does not specify a form for producing electronically stored information, the person responding must produce it in a form or forms in which it is ordinarily maintained or in a reasonably usable form or forms.

(C) *Electronically Stored Information Produced in Only One Form.* The person responding need not produce the same electronically stored information in more than one form.

(D) *Inaccessible Electronically Stored Information.* The person responding need not provide discovery of electronically stored information from sources that the person identifies as not reasonably accessible because of undue burden or cost. On motion to compel discovery or for a protective order, the person responding must show that the information is not reasonably accessible because of undue burden or cost. If that showing is made, the court may nonetheless order discovery from such sources if the requesting party shows good cause, considering the limitations of Rule 26(b)(2)(C). The court may specify conditions for the discovery.

(2) ***Claiming Privilege or Protection.***

(A) *Information Withheld.* A person withholding subpoenaed information under a claim that it is privileged or subject to protection as trial-preparation material must:

(i) expressly make the claim; and

(ii) describe the nature of the withheld documents, communications, or tangible things in a manner that, without revealing information itself privileged or protected, will enable the parties to assess the claim.

(B) *Information Produced.* If information produced in response to a subpoena is subject to a claim of privilege or of protection as trial-preparation material, the person making the claim may notify any party that received the information of the claim and the basis for it. After being notified, a party must promptly return, sequester, or destroy the specified information and any copies it has; must not use or disclose the information until the claim is resolved; must take reasonable steps to retrieve the information if the party disclosed it before being notified; and may promptly present the information under seal to the court for the district where compliance is required for a determination of the claim. The person who produced the information must preserve the information until the claim is resolved.

(g) Contempt.

The court for the district where compliance is required—and also, after a motion is transferred, the issuing court—may hold in contempt a person who, having been served, fails without adequate excuse to obey the subpoena or an order related to it.

For access to subpoena materials, see Fed. R. Civ. P. 45(a) Committee Note (2013).

ATTACHMENT A

FORMAT OF ELECTRONIC DOCUMENTS

This request includes, but is not limited to, electronic documents or files such as e-mails, images, and spreadsheets. All electronically stored information should be produced in its original machine readable electronic form if the information is saved in a commonly accessible file format that does not require proprietary software to access. Thus, files saved in common word processing, text, presentation (such as PowerPoint), web page, image, audio, video, or spreadsheet (such as Excel) format should be produced in their original machine readable format. Where a document is stored in an electronic format and a printed form, both should be produced. If you are uncertain of how to produce particular electronic documents, please contact counsel serving this subpoena prior to the production to discuss the proper production format and limit any burden you may have in responding to this subpoena.

DEFINITIONS

As used herein, the following definitions apply:

1. **"DOCUMENT"** and **"DOCUMENTS"** mean all "writings," "recordings," and "photographs" as those terms are defined in Rule 1001(a), (b) and (c) of the Federal Rules of Evidence, and includes the "original" and any "duplicate" as those terms are defined in Rule 1001(d) and (e) of the Federal Rules of Evidence. Consistent with those definitions, "DOCUMENT" and "DOCUMENTS" include but are not limited to writings, recordings and photographs produced by hand, typewriter, printer, camera, copier or stored in electronic versions including but not limited to metadata, email, text messages, recordings onto computer storage media (such as tapes, discs, hard drives, flash memory devices and backup memory devices), and every other means of recording upon any tangible thing, and any other form of communicating letters, words, pictures, sounds or symbols. Specific examples would include but not be limited to, correspondence, emails (including attachments), meeting agendas and minutes or other means by which meeting events were recorded, contracts, diaries, calendars, ledgers,

memoranda, reports, studies, notes, spreadsheets, databases, photographs, maps, charts, and graphs.

2. **"RELATING TO"** means commenting on, concerning, contradicting or calling into question, describing, discussing, evidencing, explaining, mentioning, pertaining to, referring to, reflecting, or summarizing.

3. **"PERSON"** or **"PERSONS"** means all individuals, corporations, partnerships, nonprofit organizations, associations, agencies, firms, trusts, consultants, attorneys at law, divisions, governmental bodies, municipal bodies, or other legal or business entities.

REQUESTS FOR PRODUCTION

REQUEST FOR PRODUCTION NO. 1:

All **DOCUMENTS**, including communications with any **PERSON**, **RELATING TO** the real property located at 8822 Etiwanda Avenue in Rancho Cucamonga, California.

REQUEST FOR PRODUCTION NO. 2:

All **DOCUMENTS**, including communications with any **PERSON**, **RELATING TO** the real property located at 12459 Arrow Route in Rancho Cucamonga, California.

REQUEST FOR PRODUCTION NO. 3:

All **DOCUMENTS**, including communications with any **PERSON**, **RELATING TO** the real property located at 12455 Arrow Route in Rancho Cucamonga, California.

REQUEST FOR PRODUCTION NO. 4:

All **DOCUMENTS**, including communications with any **PERSON**, **RELATING TO** SIMS Group USA Corporation or any person affiliated with such entity.

REQUEST FOR PRODUCTION NO. 5:

All **DOCUMENTS**, including communications with any **PERSON**, **RELATING TO** SA Recycling or any person affiliated with such entity.

REQUEST FOR PRODUCTION NO. 6:

All **DOCUMENTS**, including communications with any **PERSON**, **RELATING TO** Ameron International, Inc. or any person affiliated with such entity.

REQUEST FOR PRODUCTION NO. 7:

All **DOCUMENTS**, including communications with any **PERSON, RELATING TO** Tamco or any person affiliated with such entity.

REQUEST FOR PRODUCTION NO. 8:

All **DOCUMENTS**, including communications with any **PERSON, RELATING TO** Ferromet, Inc. or any person affiliated with such entity.

REQUEST FOR PRODUCTION NO. 9:

All **DOCUMENTS**, including communications with any **PERSON, RELATING TO** Pacific Coast Recycling, LLC or any person affiliated with such entity.

FA0006582

State of California
State of Water Resources Control Board
Division of Financial Assistance
P.O. Box 944212
Sacramento, CA 94244-2120
(Instructions on reverse side)

For State Use Only

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the required amounts as specified in California Code of Regulations (CCR), Title 23, Division 3, Chapter 18, Section 2807,

☐ 500,000 dollars per occurrence
or
☒ 1 million dollars per occurrence

AND

☒ 1 million dollars annual aggregate
or
☐ 2 million dollars annual aggregate

RECEIVED
MAR 12 2013
S.B. CO. FIRE DEPT.

B. TAMCO *hereby certifies that it is in compliance with the requirements of Section 2807,*
(Name of Tank Owner or Operator)
California Code of Regulations, Title 23, Division 3, Chapter 18, Article 3, Section 2807.
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Party Comp
Third party insurance policy	Chartis 175 Water St. New York, NY 10038	007510666	$1 MM Incident $2 MM Aggregate	Annual	Yes	Yes

Note: This is a sample certification of a petroleum UST owner or operator using the State Cleanup Fund as the Financial responsibility mechanism, in conjunction with the state alternative mechanism "Letter from Chief Financial Officer." For additional information and requirements refer to Title 23, Division 3, Chapter 18, of the California Code of Regulations and Division 20, Chapter 6.75 of the California Health and Safety Code.

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance and shall maintain compliance with all conditions for participation in the Fund. See instructions.

D. Facility Name	Facility Address
TAMCO	12459-B Arrow Route Rancho Cucamonga, CA 91739
Facility Name	Facility Address
	ENTERED
Facility Name	Facility Address
	APR 30 2013

E. Signature of Tank Owner or Operator / Date	Name and Title of Tank Owner or Operator
3-5-2013	James Crompton, VP/GM
Signture of Witness or Notary / Date	**Name of Witness or Notary**
3/8/2013	Jeffrey Dambrun, ENV. MGR.

Policy Managers®
317 Riveredge Boulevard, Suite 206 • Cocoa, Florida 32922 • 800.475.4055 • Fax: 321.433.1093 • www.policymanagers.com
A Division of Chamber Insurance Agency Services, LLC

June 22, 2012

Sheila L Murray
Wells Fargo Insruance Services USA
2502 N Rocky Point Dr Ste 400
Tampa, FL 33607

Re: TankGuard Liability Insurance Program
Insured: Gerdau Ameristeel US Inc.

Policy Number: 007510666
Policy Period: 7/01/12 to 7/01/13

Dear Sheila:

On behalf of Commerce and Industry Insurance Company, we are pleased to attach your client's TankGuard Liability Insurance Policy and related documents. The delivery of these policy documents completes the placement of this coverage for the captioned year.

The captioned policy was issued based on the representations, contained in your client's most recent application.

Thank you for placing this important insurance protection. Should you require further assistance, do not hesitate to call us at 1-800-475-4055. You may also contact us at our web-site address, which is www.policymanagers.com

Sincerely,

POLICY MANAGERS®

Carolina El Hayek
Account Executive
Direct Dial Phone: (321)433-4048

FORMS SCHEDULE

Named Insured: Gerdau Ameristeel US Inc.

Policy Number: 007510666

Effective 12:01 AM: 07/01/12

Form Name	Form Number/ Edition Date
C&I Storage Tank 3rd Party Liability Decpage	81206(08/09)
Table of Contents	83115(10/03)
C&I Storage Tank 3rd Party Liability Policy	81106(08/09)
Notice of Loss/Notice of Claim	91968(12/06) CI2940
Site Schedule	81029(08/09)
Schedule of Covered Storage Tank Systems	81017(10/02)
Additional Insureds	81002(10/02)
Separation of Insureds Endorsement	81026(06/10)
Terrorism Excl-Cert. Acts of Terrorism Endt	81309(02/03)
Coverage Territory Endorsement	89644(07/05)
Gaining the Ultimate Value-Added Advantage Through Chartis	111209(05/12)
Dedicated Limits Endorsement	87408(12/06)
Florida Surcharge Endorsement	94191(03/07)
Florida Cancellation/Nonrenewal Endorsement	76105(06/10)
Florida Amendatory Endorsement	83111(05/10)
Florida Addendum To The Declarations	74825(08/09)
Florida Notice of Loss Control Services	90231(11/09)

COMMERCE AND INDUSTRY INSURANCE COMPANY

175 WATER STREET
NEW YORK, N. Y. 10038

A Capital Stock Company
(herein called the "Company")

STORAGE TANK THIRD-PARTY LIABILITY, CORRECTIVE ACTION AND CLEANUP COSTS POLICY

DECLARATIONS

THIS IS A CLAIMS-MADE AND REPORTED POLICY. PLEASE READ CAREFULLY.

POLICY NUMBER: 007510666

Item 1. NAMED INSURED: Gerdau Ameristeel US Inc.

ADDRESS: PO Box 31328
Tampa, FL 33631

Item 2. POLICY PERIOD: **FROM** 07/01/12 **TO** 07/01/13
12:01 AM Standard Time at the Address of the Named Insured shown above

Item 3. LIMIT OF LIABILITY: $ 1,000,000 **EACH INCIDENT LIMIT**

$ 2,000,000 **AGGREGATE LIMIT**

Item 4. DEDUCTIBLE: $ 10,000 **EACH INCIDENT**

Item 5. COVERED STORAGE TANK SYSTEM(S): See Storage Tank Schedule

Item 6. RETROACTIVE DATE: See Storage Tank Schedule

Item 7. POLICY PREMIUM: $4,884.46

Premium for Certified Acts of Terrorism Coverage Under TRIA 2002:
Not Applicable, Coverage Rejected by Insured

Item 8. FORMS, ENDORSEMENTS AND SCHEDULES ATTACHED TO THIS POLICY: See Attached Form Schedule

BROKER: Policy Managers®

By _____
AUTHORIZED REPRESENTATIVE
or countersignature (in states where applicable)

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81206(8/09)
CI4118

GER0004

STORAGE TANK PROGRAM

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POLICYHOLDER NOTICE

Thank you for purchasing insurance from the Chartis companies. Chartis insurance Companies generally pay compensation to brokers and independent agents, and may have paid compensation in connection with your policy. You can review and obtain information about the nature and range of compensation paid by Chartis insurance companies to brokers and independent agents in the United States by visiting our website at www.chartisinsurance.com/producercompensation or by calling 1-800-706-3102.

STORAGE TANK THIRD-PARTY LIABILITY, CORRECTIVE ACTION AND CLEAN-UP COSTS POLICY

NOTICE: THIS IS A CLAIMS-MADE-AND-REPORTED POLICY. PLEASE READ CAREFULLY. ADDITIONALLY, THIS POLICY HAS CERTAIN PROVISIONS AND REQUIREMENTS UNIQUE TO IT AND MAY BE DIFFERENT FROM OTHER POLICIES THE INSURED MAY HAVE PURCHASED. DEFINED TERMS, OTHER THAN HEADINGS, APPEAR IN BOLD FACE TYPE.

THE DESCRIPTIONS IN ANY HEADINGS OR SUB-HEADINGS OF THIS POLICY ARE INSERTED SOLELY FOR CONVENIENCE AND DO NOT CONSTITUTE ANY PART OF THE TERMS OR CONDITIONS HEREOF.

In consideration of the payment of the premium, in reliance upon the statements in the Declarations and the Application, annexed hereto and made a part of this Policy or, if not annexed hereto, which are deemed to be annexed hereto and made a part of this Policy, and pursuant to all of the terms of this Policy, the Company agrees with the **Named Insured** as follows:

I. INSURING AGREEMENT

1. COVERAGES:

COVERAGE A - THIRD PARTY BODILY INJURY AND PROPERTY DAMAGE DUE TO A STORAGE TANK RELEASE

To pay on behalf of the **Insured**, **Loss** that the **Insured** becomes legally obligated to pay as a result of **Claims** for **Bodily Injury** or **Property Damage** resulting from **Pollution Conditions** from a covered **Storage Tank System**, provided such **Claims** are first made against the **Insured** and reported to the Company in writing during the **Policy Period** or during the **Extended Reporting Period**, if applicable. The **Pollution Condition** must commence on or after the Retroactive Date as shown in Item 6 of the Declarations.

COVERAGE B - CLEAN-UP COSTS OR CORRECTIVE ACTION DUE TO A STORAGE TANK RELEASE

To pay on behalf of the **Insured**, **Clean-Up Costs** or **Corrective Action** that the **Insured** becomes legally obligated to pay as a result of a **Confirmed Release** from a covered **Storage Tank System**, provided such **Confirmed Release** is first reported to the Company in writing during the **Policy Period** or during the **Extended Reporting Period**, if applicable. The **Pollution Condition** must commence on or after the Retroactive Date as shown in Item 6 of the Declarations.

2. DEFENSE:

The Company shall have the right and duty to defend any **Claims** covered under Coverage A or any civil or administrative proceedings or suits which seek to impose a legal obligation upon the **Insured** to undertake **Clean-Up Costs** or **Corrective Action** for a **Confirmed Release** to which Coverage B applies. The Company's duty to defend or continue defending any such **Claims**, civil or administrative proceedings or suits and to pay any **Loss**, **Corrective Action**, **Clean-Up Costs** or defense costs, charges and expenses, shall cease once the applicable limit of liability, as described in Section **V. LIMITS OF LIABILITY AND DEDUCTIBLE**, has been exhausted.

3. INDEPENDENT COUNSEL:

In the event the **Insured** is entitled by law to select independent counsel to defend the **Insured** at the Company's expense, the attorney fees and all other litigation expenses the Company must pay to that counsel are limited to the rates the Company would actually pay to counsel that the Company retains in the ordinary course of business in the defense of similar **Claims** in the community where the **Claim** arose or is being defended.

Additionally, the Company may exercise the right to require that such counsel have certain minimum qualifications with respect to their competency, including experience in defending **Claims** similar to the one pending against the **Insured**, and to require such counsel to have errors and omissions insurance coverage. As respects any such counsel, the **Insured** agrees that counsel will timely respond to the Company's request for information regarding the **Claim**. The **Insured** may at any time, by its signed consent, freely and fully waive its right to select independent counsel.

4. SETTLEMENT:

The Company will present any settlement offers to the **Insured**, and if the **Insured** refuses to consent to any settlement within the limits of liability of this Policy recommended by the Company and acceptable to the claimant, the Company's duty to defend the **Insured** shall then cease and the **Insured** shall thereafter negotiate or defend such **Claim** independently of the Company and the Company's liability shall not exceed the amount, less the Deductible or any outstanding Deductible balance, for which the **Claim** could have been settled if such recommendation was consented to.

II. EXCLUSIONS

1. COMMON EXCLUSIONS - APPLICABLE TO ALL COVERAGES:

This Policy does not apply to **Claims**, **Clean-Up Costs** or **Corrective Action**, or **Loss**:

A. CRIMINAL FINES, PENALTIES, AND ASSESSMENTS:

Due to any criminal fines, criminal penalties or criminal assessments.

B. CONTRACTUAL LIABILITY:

Arising from liability of others assumed by the **Insured** under any contract or agreement, unless the liability of the **Insured** would have attached in the absence of such contract or agreement or the contract or agreement is an **Insured Contract**.

C. INTENTIONAL NONCOMPLIANCE:

Arising from **Pollution Conditions** based upon or attributable to any **Responsible Insured's** intentional, willful or deliberate noncompliance with any statute, regulation including those set forth in Title 40 of the Code of Federal Regulations, ordinance, administrative complaint, notice of violation, notice letter, executive order, or instruction of any governmental agency or body.

D. INTERNAL EXPENSES:

For costs, charges or expenses incurred by the **Insured** for goods supplied or services performed by the staff or salaried employees of the **Insured**, or its parent, subsidiary or affiliate, except if in response to an emergency or pursuant to **Environmental Laws** that require immediate remediation of **Pollution Conditions**, or unless such costs, charges or expenses are incurred with the prior written approval of the Company in its sole discretion.

E. INSURED vs. INSURED:

Arising from a **Claim** brought by any **Insured** against any other person or entity who is also an **Insured** under this Policy. This exclusion does not apply to **Claims** initiated by third parties or **Claims** that arise out of an indemnification given by one **Named Insured** to another **Named Insured** in an **Insured Contract**.

F. **EMPLOYER LIABILITY:**

Arising from **Bodily Injury** to an **Insured** or its parent, subsidiary or affiliate arising out of and in the course of employment by the **Insured** or its parent, subsidiary or affiliate. This exclusion applies whether the **Insured** may be liable as an employer or in any other capacity and to any obligation to share damages with or repay third parties who must pay damages because of the injury.

G. **PRIOR KNOWLEDGE/NON-DISCLOSURE:**

Arising from **Pollution Conditions** existing prior to the **Inception Date** and known by a **Responsible Insured** and not disclosed in the application for this Policy, or any previous policy for which this Policy is a renewal thereof.

H. **COST TO CONFIRM A RELEASE FROM A STORAGE TANK SYSTEM:**

For any costs, charges or expenses incurred to investigate or certify that a **Confirmed Release** has taken place.

I. **COST TO REPAIR, REPLACE OR UPGRADE A STORAGE TANK SYSTEM:**

For any costs arising out of the reconstruction, repair, replacement, upgrading or rebuilding of any **Storage Tank System** or for any other improvements, site enhancements or routine maintenance on, within or under the site at which **Storage Tank Systems** are located.

J. **DIVESTED STORAGE TANK SYSTEMS OR SITES:**

Arising from **Pollution Conditions** or **Confirmed Releases** which commence after the date that a covered **Storage Tank System**, or the site at which the **Storage Tank System** is located, is sold, given away, abandoned, or subleased, unless the sublease has been approved in writing by the underwriter prior to the commencement of the sublease.

K. **STORAGE TANK SYSTEM CONTENTS:**

1. Arising from physical injury, including but not limited to contamination, of the contents of a **Storage Tank System**; or
2. Arising out of **Property Damage** due to physical injury, including but not limited to contamination, of the contents of a **Storage Tank System**; or
3. For any costs arising out of the removing, replacing or recycling of the contents of any **Storage Tank System**.

L. **WAR**

Arising directly or indirectly as a result of or in connection with war, whether declared or not, or any act or condition incident to war. War includes civil war, insurrection, act of foreign enemy, civil commotion, factional civil commotion, military or usurped power, rebellion or revolution.

III. NOTICE REQUIREMENTS AND CLAIM PROVISIONS

The **Insured** shall provide the Company with notice of **Confirmed Release**, Claim and **Pollution Conditions**, as follows:

1. In the event of a **Confirmed Release**, **Claim** or **Pollution Condition**, the **Insured** shall give written notice to:

   Manager, Pollution Insurance Products Dept.
   Chartis Claims, Inc.
   Attn.: CID
   101 Hudson Street, 31st Floor
   Jersey City, NJ 07302
   Fax: 866-260-0104
   Email: severityfnol@chartisinsurance.com

   or other address(es) as substituted by the Company in writing.

2. The **Insured** shall give written notice of **Claims**, a **Confirmed Release** or **Pollution Conditions** as soon as possible, but in any event during the **Policy Period** or during the **Extended Reporting Period**, if applicable. Notice under all coverages shall include, at a minimum, information sufficient to identify the **Named Insured**, the **Storage Tank System**, the names of persons with knowledge of the **Pollution Conditions** and all known and reasonably obtainable information regarding the time, place, cause, nature of and other circumstances of the **Pollution Conditions**. The **Insured** shall forward the following to the Company as soon as possible:

   (a) All reasonably obtainable information with respect to the time, place and circumstances thereof, and the names and addresses of the claimant(s) and available witnesses;
   (b) All correspondence between the **Insured** and any third party Claimant, including but not limited to any **Implementing Agency**; and all demands, summonses, notices or other process or papers filed with a court of law, administrative agency, **Implementing Agency** or an investigative body; and
   (c) Other information in the possession of the **Insured** or its hired experts which the Company reasonably deems necessary.

IV. RIGHTS OF THE COMPANY AND DUTIES OF THE INSURED IN THE EVENT OF POLLUTION CONDITIONS

A. The Company's Rights

The Company shall have the right but not the duty to clean up or mitigate **Pollution Conditions** upon receiving notice as provided in Section III. of this Policy. Any sums expended in taking such action by the Company will be deemed incurred or expended by the **Insured** and shall be applied against the limits of liability and deductible under this Policy.

B. Duties of the Insured

The **Named Insured** shall have the duty to clean up **Pollution Conditions** to the extent required by **Environmental Laws**, by retaining competent professional(s) or contractor(s) mutually acceptable to the Company and the **Named Insured**. The Company shall have the right but not the duty to review and approve all aspects of any such clean-up. The **Named Insured** shall notify the Company of actions and measures taken pursuant to this Paragraph.

V. LIMITS OF LIABILITY AND DEDUCTIBLE

Regardless of the number of **Claims**, Claimants, **Confirmed Releases**, **Pollution Conditions** or **Insureds** under this Policy, the following limits of liability apply:

A. Coverage A and B Aggregate

The Company's total liability for all **Loss** covered under Coverage A and **Clean-Up Costs** and **Corrective Action** covered under Coverage B shall not exceed the "Aggregate Limit" stated in Item 3 of the Declarations.

B. Each Incident Limit

Subject to Paragraph V.A. above, the most the Company will pay for all **Loss** and **Clean-Up Costs** and **Corrective Action** arising from the same, related or continuous **Pollution Conditions** is the "Each Incident" limit of coverage stated in Item 3 of the Declarations. "Each Incident" as used within this Policy shall mean each same, related or continuous **Pollution Condition**.

C. Related Claims

1. If the **Insured** first reports a **Claim**, **Confirmed Release** or discovers **Pollution Conditions** during the **Policy Period** and reports them to the Company in accordance with Section III., all continuous or related **Pollution Conditions** reported to the Company under a subsequent policy issued by the Company or its affiliate providing substantially the same coverages as this Policy shall be deemed to have been first discovered and reported during this **Policy Period** and shall be subject to the same Limit of Liability.

2. All **Claims** and reports of **Confirmed Releases** made during one or more policy periods issued by the Company or its affiliate providing substantially the same coverages, resulting in **Loss**, or **Clean-Up Costs** or **Corrective Action**, or in any combination thereof, and arising out of the same, or continuous or related **Pollution Conditions**, shall be considered one incident and will be subject to the same Limit of Liability. Such **Claims** or reports of **Confirmed Releases** shall be deemed first reported to the Company during the policy period in which the first such **Claim** or report of **Confirmed Release** was reported to the Company or an affiliate and will be subject to the Limit of Liability applicable to that policy period.

D. Deductible

Subject to Paragraphs V. A., and V. B. above, this Policy will pay **Clean-Up Costs, Corrective Action** or **Loss** in excess of the Deductible amount stated in Item 4 of the Declarations up to but not exceeding the applicable "Each Incident" limit of coverage.

The **Insured** shall promptly reimburse the Company for advancing any element of **Clean-Up Costs** or **Corrective Action** or **Loss** falling within the Deductible.

VI. CONDITIONS

A. **Assignment** - This Policy may be assigned with the prior written consent of the Company, which consent shall not be unreasonably withheld or delayed. Assignment of interest under this Policy shall not bind the Company until its consent is endorsed thereon.

B. **Subrogation** - In the event of any payment under this Policy, the Company shall be subrogated to all the **Insured's** rights of recovery therefor against any person or organization and the **Insured** shall execute and deliver instruments and papers and do whatever else is necessary to secure such rights including without limitation, assignment of the **Insured's** rights against any person or organization who caused **Pollution Conditions** on account of which the Company made any payment under this Policy. The **Insured** shall do nothing to prejudice the Company's rights under this Paragraph subsequent to **Loss**.

Any recovery as a result of subrogation proceedings arising out of the payment of **Loss, Clean-Up Costs** or **Corrective Action** covered under this Policy shall accrue first to the **Insured** to the extent of any payments in excess of the limit of coverage; then to the Company to the extent of its payment under the

Policy; and then to the **Insured** to the extent of its Deductible. Expenses incurred in such subrogation proceedings shall be apportioned among the interested parties in the recovery in the proportion that each interested party's share in the recovery bears to the total recovery.

C. **Cooperation** - The **Insured** shall cooperate with the Company and offer all reasonable assistance in the investigation and defense of **Claims** under the applicable Coverages purchased. The Company may require that the **Insured** submit to examination under oath, and attend hearings, depositions and trials. In the course of investigation or defense, the Company may require written statements or the **Insured's** attendance at meetings with the Company. The Insured must assist the Company in effecting settlement, securing and providing evidence and obtaining the attendance of witnesses.

D. **Changes** - Notice to any agent or knowledge possessed by any agent or by any other person shall not effect a waiver or a change in any part of this Policy or estop the Company from asserting any rights under the terms of this Policy; nor shall the terms of this Policy be waived or changed, except by endorsement issued by the Company to form a part of this Policy.

E. **Voluntary Payments** - No **Insured** shall voluntarily enter into any settlement, or make any payment or assume any obligation unless in response to an emergency or pursuant to **Environmental Laws** that require immediate remediation of **Pollution Conditions**, without the Company's consent which shall not be unreasonably withheld, except at the **Insured's** own cost.

F. **Concealment or Fraud** - This entire Policy shall be void if, whether before or after **Clean-Up Costs** or **Corrective Action** are incurred or a **Claim** is first made, the **Named Insured** has willfully concealed or misrepresented any fact or circumstance material to the granting of coverage under this Policy, including but not limited to, the description of the **Storage Tank System**, or the interest of the **Insured** therein.

G. **Cancellation** - This Policy may be cancelled by the **Named Insured** by surrender thereof to the Company or any of its authorized agents or by mailing to the Company written notice stating when thereafter the cancellation shall be effective. This Policy may be cancelled by the Company only for the reasons stated below by mailing to the **Named Insured** at the address shown in the Policy, written notice stating when, not less than 60 days (10 days for nonpayment of premium or material misrepresentation by the **Insured**), thereafter such cancellation shall be effective. Proof of mailing of such notice shall be sufficient proof of notice.

1. Material misrepresentation by the **Insured**;

2. The **Insured's** failure to comply with the material terms, conditions or contractual obligations under this Policy, including failure to pay any premium when due;

3. A change in operations at a facility containing a **Storage Tank System** during the **Policy Period** that materially increases a risk covered under this Policy.

The time of surrender or the effective date and hour of cancellation stated in the notice shall become the end of the **Policy Period**. Delivery of such written notice either by the **Named Insured** or by the Company shall be equivalent to mailing. If the **Named Insured** cancels, earned premium shall be computed in accordance with the customary short rate table and procedure. If the Company cancels, earned premium shall be computed pro-rata. Premium adjustment may be either at the time cancellation is effected or as soon as practicable after cancellation becomes effective, but payment or tender of unearned premium is not a condition of cancellation.

H. **Other Insurance** - If other valid and collectible insurance or funds from any **Tank Fund** are available to the **Insured** for **Loss, Clean-Up Costs** or **Corrective Action** covered by this Policy, the **Insured** shall promptly, upon the request of the Company, provide the Company with copies of all such policies or fund documentation. The Company's obligations are limited as follows:

1. Except as set forth in subparagraph 3. of this Paragraph, this insurance is primary, and the Company's obligations are not affected unless any of the other insurance is also primary. In that case, the Company will share with all such other insurance by the method described in Paragraph 2. below.

2. If all of the other insurance permits contribution by equal shares, the Company will follow this method also. Under this approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first. If any of the other insurance does not permit contribution by equal shares, the Company will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

3. This insurance shall apply as excess insurance over any **Tank Fund**, provided that in the event of the receivership, insolvency, or inability to pay of any state fund or program, this insurance shall act as primary insurance. Where this insurance is excess, the Company will pay only its share of the amount of **Loss, Clean-Up Costs** or **Corrective Action**, if any, that exceeds the total amount available through the **Tank Fund**.

I. **Right of Access and Inspection** - To the extent the **Insured** has such rights, any of the Company's authorized representatives shall have the right and opportunity but not the obligation to interview persons employed by the **Insured** and to inspect at any reasonable time, during the **Policy Period** or thereafter, the **Storage Tank System** or the site at which the **Storage Tank System** is located. Neither the Company nor its representatives shall assume any responsibility or duty to the **Insured** or to any other party, person or entity, by reason of such right or inspection. Neither the Company's right to make inspections, sample and monitor, nor the actual undertaking thereof nor any report thereon shall constitute an undertaking on behalf of the **Insured** or others, to determine or warrant that property or operations are safe, healthful or conform to acceptable engineering practices or are in compliance with any law, rule or regulation. The **Named Insured** agrees to provide appropriate personnel to assist the Company's representatives during any inspection.

J. **Access to Information** - The **Named Insured** agrees to provide the Company with access to any information developed or discovered by the **Insured** concerning **Loss, Clean-Up Costs** or **Corrective Action**, or **Pollution Conditions** covered under this Policy, whether or not deemed by the **Insured** to be relevant to such **Loss, Clean-Up Costs** or **Corrective Action**, or **Pollution Conditions** and to provide the Company access to interview any **Insured** and review any documents of the **Insured**.

K. **Representations** - By acceptance of this Policy, the **Named Insured** agrees that the statements in the Declarations, the Application and, if applicable, the Report/Worksheet are their warranties, agreements and representations, that this Policy is issued in reliance upon the truth of such warranties, agreements and representations and that this Policy embodies all agreements existing between the **Insured** and the Company or any of its agents relating to this insurance.

L. **Action Against Company** - No third-party action shall lie against the Company, unless as a condition precedent thereto there shall have been full compliance with all of the terms of this Policy, nor until the amount of the **Insured's** obligation to pay shall have been finally determined either by judgment against the **Insured** after actual trial or by written agreement of the **Insured**, the claimant and the Company.

Any person or organization or the legal representative thereof who has secured such judgment or written agreement shall thereafter be entitled to recover under this Policy to the extent of the insurance afforded by the Policy. No person or organization shall have any right under this Policy to join the Company as a party to any action against the **Insured** to determine the **Insured's** liability, nor shall the Company be impleaded by the **Insured** or his legal representative. Bankruptcy or insolvency of the **Insured** or of the **Insured's** estate shall not relieve the Company of any of its obligations hereunder.

M. **Arbitration** - It is hereby understood and agreed that all disputes or differences that may arise under or in connection with this Policy, whether arising before or after termination of this Policy, including any determination of the amount of **Loss**, may be submitted to the American Arbitration Association ("AAA") under and in accordance with the United States Arbitration Act (9 U.S.C.) and the then prevailing commercial arbitration rules of the AAA. The arbitrators shall be chosen in the manner and within the time frames provided by such rules. If permitted under such rules, the arbitrators shall be three disinterested individuals having knowledge of the legal, corporate management, or insurance issues relevant to the matters in dispute.

Any party may commence such arbitration proceeding and the arbitration shall be conducted in the **Insured's** state of domicile. The arbitrators shall give due consideration to the general principles of the law of the **Insured's** state of domicile in the construction and interpretation of the provisions of this Policy; provided, however, that the terms, conditions, provisions and exclusions of this Policy are to be construed in an evenhanded fashion as between the parties. Where the language of this Policy is alleged to be ambiguous or otherwise unclear, the issue shall be resolved in the manner most consistent with the relevant terms, conditions, provisions or exclusions of the Policy (without regard to the authorship of the language, the doctrine of reasonable expectation of the parties and without any presumption or arbitrary interpretation or construction in favor of either party or parties, and in accordance with the intent of the parties).

The written decision of the arbitrators shall set forth its reasoning, shall be provided simultaneously to both parties and shall be binding on them. The arbitrators' award shall not include attorney fees or other costs. Judgment on the award may be entered in any court of competent jurisdiction. Each party shall bear equally the expenses of the arbitration.

N. **Choice of Law** - In the event that the **Insured** and the Company dispute the validity or formation of this Policy or the meaning, interpretation or operation of any term, condition, definition or provision of this Policy resulting in litigation, arbitration or other form of dispute resolution, the **Insured** and the Company agree that the law of the State of New York shall apply.

O. **Acknowledgment of Shared Limits** - By acceptance of this Policy, the **Named Insureds** understand, agree and acknowledge that the Policy contains an Aggregate Limit that is applicable to, and will be shared by, all **Named Insureds** and all other **Insureds** who are or may become insured hereunder. In view of the operation and nature of this shared Aggregate Limit, the **Named Insureds** and all other **Insureds** understand and agree that prior to filing a **Claim** or reporting a **Confirmed Release** under the Policy, the Aggregate Limit may be exhausted or reduced by prior payments for other **Claims**, **Clean-Up Costs** or Corrective Action under the Policy.

VII. EXTENDED REPORTING PERIOD FOR CLAIMS

The **Named Insured** shall be entitled to an Automatic **Extended Reporting Period**, and (with certain exceptions as described in Paragraph B. of this Section) be entitled to purchase an Optional **Extended Reporting Period** for any Coverages terminated, upon termination of coverage as defined in Paragraph B.3. of this Section. Neither the Automatic nor the Optional **Extended Reporting Period** shall reinstate or increase any of the Limits of Liability of this Policy.

A. **Automatic Extended Reporting Period**

Provided that the **Named Insured** has not purchased any other insurance to replace this insurance and which applies to a **Claim** or a **Confirmed Release** otherwise covered hereunder, the **Named Insured** shall have the right to the following: a period of six (6) months following the effective date of such termination of coverage in which to provide written notice to the Company of a **Claim** first made during the **Policy Period** or Automatic **Extended Reporting Period** and first reported within the Automatic **Extended Reporting Period**, or **Confirmed Release** first reported within the Automatic **Extended Reporting Period**.

A **Claim** first made during the **Policy Period** or Automatic **Extended Reporting Period** and first reported within the Automatic **Extended Reporting Period**, or **Confirmed Release** first reported within the Automatic **Extended Reporting Period** will be deemed to have been made on the last day of the **Policy Period**, provided that the **Claim** or **Confirmed Release** arises from **Pollution Conditions** that commenced before the end of the **Policy Period** and is otherwise covered by this Policy. No part of the Automatic **Extended Reporting Period** shall apply if the Optional **Extended Reporting Period** is purchased.

B. Optional Extended Reporting Period

The **Named Insured** shall be entitled to purchase an Optional **Extended Reporting Period** upon termination of coverage as defined herein (except in the event of nonpayment of premium), as follows:

1. A **Claim** first made during the **Policy Period** or during the Optional **Extended Reporting Period** and first reported during the Optional **Extended Reporting Period**, or a **Confirmed Release** first reported within the Optional **Extended Reporting Period**, if purchased in accordance with the provisions contained in Paragraph 2. below, will be deemed to have been made on the last day of the **Policy Period**, provided that the **Claim** or **Confirmed Release** arises from **Pollution Conditions** that commenced before the end of the **Policy Period** and is otherwise covered by this Policy.

2. The Company shall issue an endorsement providing an Optional **Extended Reporting Period** of up to forty (40) months from termination of coverage hereunder for all **Storage Tank Systems**, or for a Storage Tank System located at a specific facility, provided that the **Named Insured**:

   (a) makes a written request for such endorsement which the Company receives within sixty (60) days after termination of coverage as defined herein; and

   (b) pays when due an amount equal to the premium for the Optional **Extended Reporting Period** plus any premium for the **Policy Period** which is owed and has not yet been paid. If these premiums are paid when due, the **Extended Reporting Period** may not be cancelled, provided that all other terms and conditions of the Policy are met.

3. Termination of coverage occurs:

   (a) at the end of the **Policy Period**, or

   (b) at the time the Policy or renewal policy becomes effective with a decrease in the limit of liability, a reduction of coverage, an increased deductible or self-insured retention, new exclusion or any other change in coverage less favorable to the **Insured**.

4. The Optional **Extended Reporting Period** is available to the **Named Insured** for not more than 100% of the policy premium of this Policy.

VIII. DEFINITIONS

A. **Bodily Injury** means physical injury, or sickness, disease, mental anguish or emotional distress sustained by any person including death resulting therefrom.

B. **Claim** means a written demand received by an **Insured** seeking a remedy and alleging liability or responsibility on the part of the **Insured** for **Loss**.

C. **Clean-Up Costs** means:

Reasonable and necessary expenses for the investigation, removal or remediation of **Pollution Conditions** including associated monitoring, or disposal of soil, surfacewater, groundwater or other contamination:

(a) To the extent required by **Environmental Laws**; or

(b) That have been actually incurred by the government or any political subdivision of the United States of America or any state thereof or Canada or any province thereof, or by third parties.

Clean-Up Costs also include **Restoration Costs.**

D. **Confirmed Release** means **Pollution Conditions** from a **Storage Tank System**, including those from an overfill of a **Storage Tank System**, that has been investigated and confirmed by or on behalf of the **Insured** during the **Policy Period** through a system tightness test, site check, or other procedure approved by the **Implementing Agency** in accordance with **Environmental Law.**

E. **Corrective Action** means:

1. Reasonable and necessary costs for response, abatement, investigative, and removal actions resulting from a **Confirmed Release** as legally required by Subpart F of the federal underground storage tank regulations, 40 C.F.R. 280.60 through 280.66, and 280.72, or as legally required by other applicable federal regulations or by other applicable regulations promulgated by a state under an underground storage tank program approved by the United States Environmental Protection Agency in accordance with Section 9004 of the Resource Conservation and Recovery Act of 1976, as amended;

2. Reasonable and necessary costs for the cleanup, pursuant to a written order from the **Implementing Agency** and with the prior written approval of the Company, of **Pollution Conditions** in soil or groundwater due to a **Confirmed Release**, including the preparation, development, modification and implementation of a "corrective action plan" as defined in 40 C.F.R. 280.66, and the monitoring, evaluation and reporting of the results of the implementation of such plan.

F. **Environmental Laws** means any federal, state, provincial or local laws (including, but not limited to, statutes, rules, regulations, ordinances, guidance documents, and governmental, judicial or administrative orders and directives) that are applicable to **Pollution Conditions.**

G. **Extended Reporting Period** means either the automatic additional period of time or the optional additional period of time, whichever is applicable, in which to report Claims or **Confirmed Releases** following termination of coverage, as described in Section VII. of this Policy.

H. **Implementing Agency** means the Federal Environmental Protection Agency or a state or local agency having jurisdiction pursuant to **Environmental Laws.**

I. **Inception Date** means the first date set forth in Item 2 of the Declarations.

J. **Insured** means the **Named Insured**, and any past or present director, officer, partner or employee thereof, including a temporary or leased employee, while acting within the scope of his or her duties as such.

K. **Insured Contract** means a contract or agreement submitted to and approved by the Company, and listed on a Scheduled Insured Contract Endorsement to this Policy.

L. **Loss** means, under the applicable Coverages:

1. Monetary awards or settlements of compensatory damages; where allowable by law, punitive, exemplary, or multiple damages; and civil fines, penalties, or assessments for **Bodily Injury** or **Property Damage**; or

2. **Clean-Up Costs** or **Corrective Action**.

M. **Named Insured** means the person or entity named in Item 1 of the Declarations acting on behalf of all other **Insureds**, if any, for the payment or return of any premium, payment of any deductible, receipt and acceptance of any endorsement issued to form a part of this Policy, giving and receiving notice of cancellation or nonrenewal, and the exercise of the rights provided in the **Extended Reporting Period** clause.

N. **Policy Period** means the period set forth in Item 2 of the Declarations, or any shorter period arising as a result of:

1. Cancellation of this Policy; or

2. With respect to particular **Storage Tank System(s)**:

   (a) the deletion or addition of such **Storage Tank System** from this Policy by the Company at the **Named Insured's** written request, but solely with respect to that **Storage Tank System**.

   (b) the sale, giving away or abandonment of a **Storage Tank System**, or the sub-leasing of such **Storage Tank System**, unless the sub-lease has been approved in writing by the Company prior to the commencement of the sub-lease.

O. **Pollution Conditions** means the discharge, dispersal, release or escape of any solid, liquid, gaseous or thermal irritant or contaminant, including, but not limited to, smoke, vapors, soot, fumes, acids, alkalis, toxic chemicals, medical waste and waste materials into or upon land, or any structure on land, the atmosphere or any watercourse or body of water, including groundwater, provided such conditions are not naturally present in the environment in the amounts or concentrations discovered.

P. **Property Damage** means:

1. Physical injury to or destruction of tangible property of parties other than the **Insured** including the resulting loss of use thereof;

2. Loss of use of tangible property of parties other than the **Insured** that has not been physically injured or destroyed;

Property Damage does not include **Clean-Up Costs** or **Corrective Action**.

Q. **Responsible Insured** means the manager or supervisor of the **Named Insured** responsible for environmental affairs, control or compliance, or any owner or operator of a **Storage Tank System**, or any officer, director or partner of the **Named Insured**.

R. **Restoration Costs** means reasonable and necessary costs incurred by the **Insured** with the Company's written consent, which consent shall not be unreasonably withheld or delayed, to repair, replace or restore real or personal property to substantially the same condition it was in prior to being damaged during work performed in the course of incurring **Clean-Up Costs** or **Corrective Action**. However, such **Restoration Costs** shall not exceed the net present value of such property prior to incurring **Clean-Up Costs** or **Corrective Action**. **Restoration Costs** do not include costs associated with improvements or betterments.

S. **Storage Tank System** means a stationary tank or tanks owned or operated by the **Insured** and shown in Item 5 of the Declarations. **Storage Tank System** includes any on site integral piping or dispensing equipment, ancillary equipment and containment system associated with the tanks.

T. **Tank Fund** means any state storage tank trust fund, state administered insurance program, or restoration funding for **Storage Tank Systems** whose owners qualify for reimbursement, or any self insurance fund established for the purpose of funding **Clean-Up Costs** or **Corrective Action** for **Pollution Conditions** from a **Storage Tank System**.

The remainder of this page has been intentionally left blank. Policy Signature Page shall immediately follow.

CHARTIS

NOTICE OF LOSS/NOTICE OF CLAIM

INSTRUCTIONS: PLEASE ATTACH ALL CORRESPONDENCE RELATING TO THIS NOTICE OF LOSS AND MAIL COPIES OF THIS NOTICE TO EACH ADDRESS BELOW:

Manager, Pollution Insurance Products Dept.
Chartis Claims, Inc.
Attn.: CID
101 Hudson Street, 31st Floor
Jersey City, NJ 07302
Fax: 866-260-0104
Email: severityfnol@chartisinsurance.com

Date of Notice: _____

NAMED INSURED: _____ Telephone: ( ) _____

_____ Contact: _____

ADDRESS OF INSURED: _____

_____

_____

BROKER NAME: _____ Telephone: ( ) _____

_____ Contact: _____

BROKER ADDRESS: _____

_____

_____

POLICY INFORMATION:

Policy Number: _____

Policy Period: From: _____ To: _____

Loss Information:

Loss Location: _____

_____

Date & Description of Loss: _____

_____

_____

_____

_____

_____

_____

_____

_____

For Chartis Use Only:

Date Claim Notice Received: _____

Date of Claim: _____

Company/Person Filing Suit (if applicable): _____

NOTE: Any person who knowingly files a Statement of Claim containing any false or misleading information is subject to criminal and civil penalties.

ENDORSEMENT

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

CHARTIS STORAGE TANK

THIRD-PARTY LIABILITY AND CLEAN-UP COSTS POLICY

SITE SCHEDULE

Site#	Facility Name/Address, City, State, Zip
1	Gerdau Ameristeel(Jacksonville) 16770 Rebar Rd Baldwin, FL 32234
2	Gerdau Ameristeel Us Inc Old Hwy 90 Rose City, TX 77777
3	Chaparral Steel Midlotian Lp 300 Ward Road Midlothian, TX 76065
4	Tamco Steel 1245 B Arrow Route Rancho Cucomonga, CA 91739

All other terms, conditions, and exclusions shall remain the same.

AUTHORIZED REPRESENTATIVE
or countersignature(in states where applicable)

81029(08/09)
CI4063

ENDORSEMENT

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SCHEDULE OF COVERED STORAGE TANK SYSTEMS

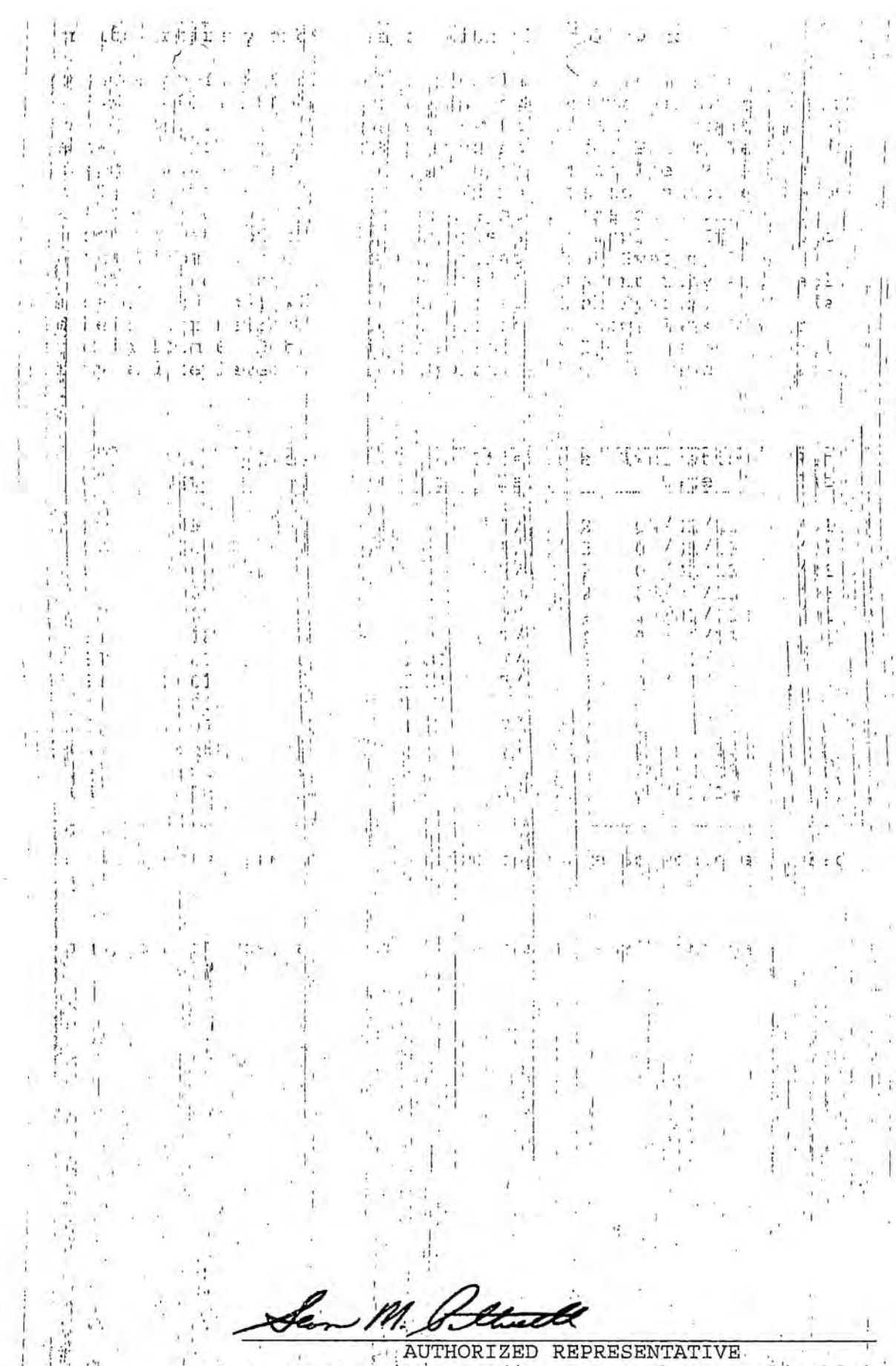
It is agreed that any previous Schedule of Coverage Storage Tank Systems is deleted in its entirety and replaced with the following:

The following Storage Tank System(s) are included in Item 5. COVERED STORAGE TANK SYSTEM(S) of the Declarations, subject to all of the terms and conditions of the Policy and the Policy Period and Retroactive date indicated below. If no dates are indicated below for Policy Period for a subject Storage Tank System, the dates indicated in Item 2. Policy Period of the Declarations shall apply. If no date is indicated below for Retro Date for a subject Storage Tank System, the date indicated in Item 6. Retroactive Date of the Declarations shall apply. If a Policy Period is indicated below for a subject Storage Tank System, Item. 2 Policy Period of the Declarations is deleted in its entirety and replaced with the Policy Period, below, for such Storage Tank System. If a date is indicated below for Retro Date for a subject Storage Tank System, the date indicated in Item 6. Retroactive Date of the Declarations is deleted in its entirety and replaced with Retro Date, below, for such Storage Tank System.

Site* #	Tank #	AST/ UST	Install Date	Capacity (Gal.)	Tank Const.	Effective Date	Expiration Date	Retro Date
1	1	AST	1999	3,000		7/01/12	07/01/13	7/01/05
1	2	AST	2004	1,900		7/01/12	07/01/13	7/01/05
1	3	AST	2008	1,500		7/01/12	07/01/13	7/01/08
1	4	AST	2007	1,500		7/01/12	07/01/13	6/05/07
1	5	AST	2007	3,000		7/01/12	07/01/13	7/01/07
1	6	AST	2008	1,500		7/01/12	07/01/13	7/01/08
2	1	AST	1987	6,000	CPIC	7/01/12	07/01/13	4/26/05
2	2	AST	2001	6,000	CPIC	7/01/12	07/01/13	4/26/05
2	3	AST	2006	1,000	CPIC	7/01/12	07/01/13	6/04/07
2	4	AST	2007	1,000	CPIC	7/01/12	07/01/13	7/01/07
3	1	UST	1998	12,000	DWC	7/01/12	07/01/13	12/15/02
3	2	UST	1998	1,000	DWC	7/01/12	07/01/13	12/15/02
4	1	UST	1987	12,000	DWC	7/01/12	07/01/13	5/26/11

*Site#, name and address are located within the Site Schedule attached to the Policy.

All other terms, conditions, and exclusions shall remain the same.



AUTHORIZED REPRESENTATIVE
or countersignature(in states where applicable)

81017(10/02)
CI2253

ENDORSEMENT

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No.: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSUREDS

In consideration of the premium charged, it is hereby agreed that the following entity(s) is (are) included as additional Insured(s), for Coverage A and B, whichever is applicable, but solely as respects liability arising out of the Named Insured's ownership, operation, maintenance or use of the Storage Tank Systems designated in item 5 of the Declarations.

Gerdau Ameristeel Corporation
P O Box 31328
Tampa, FL 33631

Chaparral Steel Midlothian LP
300 Ward Road
Midlothian, TX 76055

All other terms, conditions, and exclusions shall remain the same.

AUTHORIZED REPRESENTATIVE
or countersignature(in states where applicable)

81002(10/02)
CI1887

ENDORSEMENT NO.

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No.: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SEPARATION OF INSUREDS CONDITION ENDORSEMENT

It is agreed that the Policy is amended by the addition of the following condition to Section VI. **CONDITIONS:**

Separation of Insureds - It is agreed that except with respect to the Limit of Liability, Section II. E. (Insured vs. Insured exclusion), and any rights and duties specifically assigned to the first **Named Insured**, this insurance applies:

1. As if each **Named Insured** were the only **Named Insured**; and

2. Separately to each **Named Insured** against whom a **Claim** is made.

Misrepresentation, concealment, breach of a term or condition, or violation of any duty under this Policy by one **Named Insured** shall not prejudice the interest of coverage for another **Named Insured** under this Policy. Provided, however, that this Condition shall not apply to any **Named Insured** who is a parent, subsidiary or affiliate of the first **Named Insured.**

All other terms, conditions, and exclusions shall remain the same.

AUTHORIZED REPRESENTATIVE
or countersignature (in states where applicable)

ENDORSEMENT

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No.: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

TERRORISM EXCLUSION - CERTIFIED ACTS OF TERRORISM EXCLUSION ENDORSEMENT

Pursuant to the requirements of the Terrorism Risk Insurance Act of 2002, the "Act," the **Insured** has been provided notice that the **Insured** may elect to purchase coverage for loss covered under this Policy arising directly or indirectly as a result of a certified "act of terrorism" as defined by Section 102., Definitions, of the Act and any revisions or amendments thereto and the premium charge for such coverage.

After receiving such notice, the **Insured** has elected not to purchase coverage for such certified "acts of terrorism" and has agreed to the attachment of a Terrorism Exclusion excluding coverage for such certified "acts of terrorism."

Therefore, this Policy shall be amended by the addition of the following exclusion:

> The Company has no obligation to make any payment or to provide or to pay for a defense under this Policy due to or arising directly or indirectly as a result of or in connection with **Terrorism** including but not limited to, any contemporaneous or ensuing loss caused by fire, looting, or theft.

Terrorism means an Act of Terrorism defined as follows in Section 102., Definitions of the Terrorism Risk Insurance Act of 2002 and any revisions or amendments thereto:

(1) Act of Terrorism –

(A) Certification. – The term "act of terrorism" means any act that is certified by the Secretary of the Treasury of the United States, in concurrence with the Secretary of State, and the Attorney General of the United States --

(i) to be an act of terrorism;

(ii) to be a violent act or an act that is dangerous to --

(I) human life;

(II) property; or

(III) infrastructure;

(iii) to have resulted in damage within the United States, or outside of the United States in the case of –

(I) an air carrier or vessel described in paragraph (5)(B); [for the convenience of this endorsement, paragraph (5)(B) reads: occurs to an air carrier (as defined in Section 40102 of title 49, United States Code) to a United States flag vessel (or a vessel based principally in the United States, on which United States income tax is paid and whose insurance coverage is subject to regulation in the United States), regardless of where the loss occurs, or at the premises of any United States mission];

(II) the premises of a United States mission; and to have been committed by an individual or individuals acting on behalf of any foreign person or foreign interest, as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

(B) Limitation. -- No act shall be certified by the Secretary as an act of terrorism if --

(i) the act is committed as part of the course of a war declared by the Congress, except that this clause shall not apply with respect to any coverage for workers' compensation; or

(ii) property and casualty insurance losses resulting from the act, in the aggregate, do not exceed $5,000,000.

(C) Determinations Final. – Any certification of, or determination not to certify, an act as an act of terrorism under this paragraph shall be final, and shall not be subject to judicial review.

(D) Nondelegation. – The Secretary may not delegate or designate to any other officer, employee, or person, any determination under this paragraph of whether, during the effective period of the Program, an act of terrorism has occurred.

All other terms, conditions, and exclusions shall remain the same.

AUTHORIZED REPRESENTATIVE
or countersignature (in states where applicable)

ENDORSEMENT NO.

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No.: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

COVERAGE TERRITORY ENDORSEMENT

Payment of loss under this policy shall only be made in full compliance with all United States of America economic or trade sanction laws or regulations, including, but not limited to, sanctions, laws and regulations administered and enforced by the U.S. Treasury Department's Office of Foreign Assets Control ("OFAC").

All other terms, conditions, and exclusions shall remain the same.

AUTHORIZED REPRESENTATIVE
or countersignature (in states where applicable)

Gaining the Ultimate Value-Added Advantage Through Chartis

Insured: Gerdau Ameristeel US Inc.

Policy #: 007510666
Effective Date: 07/01/12

Thank you for purchasing your environmental insurance policy through Chartis!

At Chartis, we enhance the coverage of every environmental insurance policy by providing insureds complimentary access to the following tools and programs to help manage environmental risk, mitigate environmental loss, and conduct loss control:

PIER (Pollution Incident and Environmental Response)®
Policyholders have access to pre-screened crisis management specialists who respond in a timely manner to environmental incidents, including indoor air quality issues such as mold and Legionella pneumophila. Rates are pre-negotiated, thus helping insureds to minimize or mitigate loss associated with such incidents. Environmental insurance policyholders are automatically enrolled in this program.

- To access the right resources to respond to an environmental incident, call 1-877-PIER-NOW (743-7669) and speak with a Chartis representative regarding the nature of your incident

Claims Expertise
Our pollution claims operation, with 80+ claims specialists, is the largest in the industry. The depth and breadth of our operation means we can devote expertise to environmental claims of all types.

- Report your claim by sending a fax to 866-260-0104 or emailing SeverityFNOL@chartisinsurance.com.

GLP RiskTool System®
The complimentary, web-based system brings together a myriad of information that a company needs to manage Environmental, Health and Safety (EH&S) programs in one virtual "reference desk." By supporting on-line management and tracking of EH&S issues and providing templates, GLP RiskTool System presents a turnkey approach to establish your own EH&S program.

- Register for GLP RiskTool System by visiting www.risktool.com. All you need is your environmental insurance policy number.

Transportation Loss Control Programs
We provide a number of transportation-related programs for insureds that reinforce positive driving behavior and potential improvements in loss reduction. These programs include preventive driving sessions and mock Department of Transportation audits.

- To learn more, contact environmental@chartisinsurance.com.

Environmental Portal
Portal is a secure, Internet-based system that allows our clients to track environmental insurance policies for multiple site portfolios. Policyholders can check the status of coverage requests 24/7, upload and download policy-related reports and documents, and more.

- Register for Environmental Portal by visiting www.chartisinsurance.com.

Chartis is committed to the achievement of effective risk management objectives for clients as well as providing them access to incident response assistance in the event of a pollution-release event.

Thank you,

Lana Fulton Keppel
Environmental Division Executive
Chartis US and Canada

Chartis is the marketing name for the worldwide property-casualty and general insurance operations of Chartis Inc. For additional information, please visit our website at www.chartisinsurance.com. All products are written by insurance company subsidiaries or affiliates of Chartis Inc. Coverage may not be available in all jurisdictions and is subject to actual policy language. Non-insurance products and services may be provided by independent third parties. Certain coverage may be provided by a surplus lines insurer. Surplus lines insurers do not generally participate in state guaranty funds and insureds are therefore not protected by such funds.

CHARTIS
Your world, Insured

ENDORSEMENT NO.

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No.: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DEDICATED LIMITS ENDORSEMENT

It is hereby agreed that **SECTION V. LIMITS OF LIABILITY AND DEDUCTIBLE** includes the following:

Dedicated Limits

Subject to Paragraphs V.A., and V.B. above, the limits of liability are dedicated for each category of storage tank systems as follows:

All covered Underground Storage Tank Systems	$ 1,000,000	EACH INCIDENT LIMIT
	$ 1,000,000	AGGREGATE LIMIT
All covered Aboveground Storage Tank Systems at sites in the state of Florida	$ 1,000,000	EACH INCIDENT LIMIT
	$ 1,000,000	AGGREGATE LIMIT
All covered Aboveground Storage Tank Systems at sites in the state of Virginia	$	EACH INCIDENT LIMIT
	$	AGGREGATE LIMIT
All covered Aboveground Storage Tank Systems at sites in the state of Delaware	$	EACH INCIDENT LIMIT
	$	AGGREGATE LIMIT
All covered Aboveground Storage Tank Systems at sites in any state not listed above	$ 1,000,000	EACH INCIDENT LIMIT
	$ 1,000,000	AGGREGATE LIMIT

It is also agreed that **SECTION VIII. DEFINITIONS** includes the following:

Aboveground means not **Underground.**

Underground means having 10% or more of its volume below the surface of the ground including the volume of underground pipes connected thereto.

All other terms, conditions, and exclusions shall remain the same.

Sean M. Bluett

AUTHORIZED REPRESENTATIVE
or countersignature (in states where applicable)

ENDORSEMENT NO.

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No.: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

FLORIDA SURCHARGES ENDORSEMENT

Notice: In addition to the premium due under this policy, the following Florida surcharges are payable under this policy:

Florida Hurricane Catastrophe Fund Surcharge	$ 26.46

All other terms, conditions, and exclusions shall remain the same.

AUTHORIZED REPRESENTATIVE
or countersignature (in states where applicable)

ENDORSEMENT NO.

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No.: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

FLORIDA CANCELLATION/NONRENEWAL ENDORSEMENT

Wherever used in this endorsement: 1) "we", "us", "our", and "Insurer" mean the insurance company which issued this policy, and 2) "you", "your", "named Insured" and "Insured" mean the Named Corporation, Named Organization, Named Sponsor, Named Insured, or Insured stated in the declarations page; and 3) "Other Insured(s)" means all other persons or entities afforded coverage under this policy.

It is agreed and understood that the cancellation provision of this policy is to be deleted in its entirety and to be replaced with the following:

A. The Insured shown in the Declarations may cancel this policy by mailing or delivering to the Insurer advance written notice of cancellation.

B.1. Cancellation for Policies in Effect Ninety (90) Days or Less

If this policy has been in effect ninety (90) days or less the Insurer may cancel this policy by mailing or delivering to the Insured written notice of cancellation, accompanied by the reasons for cancellation, at least:

a) Ten (10) days before the effective date of cancellation if the Insurer cancels for nonpayment of premium; or

b) Twenty (20) days before the effective date of cancellation if the Insurer cancels for any other reason, except the Insurer may cancel immediately if there has been:

1. A material misstatement or misrepresentation; or
2. A failure to comply with underwriting requirements established by the Insurer.

B.2. Cancellation for Policies in Effect for More Than Ninety (90) Days

If this policy has been in effect for more than ninety (90) days the Insurer may cancel this policy only for one or more of the following reasons:

a) Nonpayment of premium;

b) The policy was obtained by a material misstatement;

c) There has been a failure to comply with underwriting requirements established by us within ninety (90) days of the date of effectuation of coverage;

d) There has been a substantial change in the risk covered by the policy; or

e) The cancellation is for all insureds under such policies for a given class of insureds.

If the Insurer cancels this policy for any of these reasons, the Insurer will mail or deliver to the Named Insured written notice of cancellation, accompanied by the reasons for the cancellation, at least:

1. Ten (10) days before the effective date of cancellation if cancellation is for the reason stated in B.2. (a) above; or
2. Forty-five (45) days before the effective date of cancellation if cancellation is for the reasons stated in B.2. (b), (c), (d), or (e) above.

B.3. If this policy is cancelled, the Insurer will send the Named Insured any premium refund due. If the Insurer cancels, the refund will be pro rata. If the Named Insured cancels, the refund may be less than pro rata. If the return premium is not refunded with the notice of cancellation or when this policy is returned to us, we will mail the refund within 15 working days after the date cancellation takes effect.

The following is added:

C.1. Non-Renewal

(a) If the Insurer decides not to renew this policy the Insurer will mail or deliver to the Insured written notice of nonrenewal, accompanied by the reason for nonrenewal, at least forty-five (45) days prior to the expiration of this policy.

(b) Any notice of nonrenewal will be mailed or delivered to the Insured's last mailing address known to the Insurer. If notice is mailed, proof of mailing will be sufficient proof of notice.

C.2. Renewal

The Insurer shall give the Named Insured at least forty-five (45) days advance written notice of the renewal premium.

All other terms, conditions, and exclusions shall remain the same.

AUTHORIZED REPRESENTATIVE
or countersignature (in states where applicable)

ENDORSEMENT NO.

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No.: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

STORAGE TANK PROGRAM
FLORIDA AMENDATORY ENDORSEMENT

The Policy is amended as follows:

Section VI. **CONDITIONS**, Paragraph **K. Representations**, is deleted in its entirety, and replaced with the following:

K. Representations - By acceptance of this Policy, the **Named Insured** agrees that the statements in the Declarations, the Application and, if applicable, the Report/Worksheet are their agreements and representations, that this Policy is issued in reliance upon the truth of such agreements and representations and that this Policy embodies all agreements existing between the **Insured** and the Company or any of its agents relating to this insurance.

Section VI. **CONDITIONS**, Paragraph **M. Arbitration**, is deleted in its entirety, and replaced with the following:

M. Arbitration - It is hereby understood and agreed that all disputes or differences that may arise under or in connection with this Policy, whether arising before or after termination of this Policy, including any determination of the amount of **Loss**, may be submitted to the American Arbitration Association ("AAA") under and in accordance with the United States Arbitration Act (9 U.S.C.) and the then prevailing commercial arbitration rules of the AAA. The arbitrators shall be chosen in the manner and within the time frames provided by such rules. If permitted under such rules, the arbitrators shall be three disinterested individuals having knowledge of the legal, corporate management, or insurance issues relevant to the matters in dispute.

Any party may commence such arbitration proceeding and the arbitration shall be conducted in the **Insured's** county of domicile. The arbitrators shall give due consideration to the general principles of the law of the **Insured's** county of domicile in the construction and interpretation of the provisions of this Policy; provided, however, that the terms, conditions, provisions and exclusions of this Policy are to be construed in an evenhanded fashion as between the parties. Where the language of this Policy is alleged to be ambiguous or otherwise unclear, the issue shall be resolved in the manner most consistent with the relevant terms, conditions, provisions or exclusions of the Policy (without regard to the authorship of the language, the doctrine of reasonable expectation of the parties and without any presumption or arbitrary interpretation or construction in favor of either party or parties, and in accordance with the intent of the parties).

The written decision of the arbitrators shall set forth its reasoning, shall be provided simultaneously to both parties and shall be binding on them. The arbitrators' award shall not include attorney fees or other costs. Judgment on the award may be entered in any court of competent jurisdiction. Each party shall bear equally the expenses of the arbitration.

Section VI. CONDITIONS, Paragraph N. Choice of Law, is deleted in its entirety, and replaced with the following:

N. Choice of Law - In the event that the Insured and the Company dispute the validity or formation of this Policy of the meaning, interpretation or operation of any term, condition, definition or provision of this Policy resulting in litigation, arbitration or other form of dispute resolution, the Insured and the Company agree that the law of the State of Florida shall apply.

All other terms, conditions, and exclusions shall remain the same.

AUTHORIZED REPRESENTATIVE
or countersignature (in states where applicable)

FLORIDA ADDENDUM TO THE DECLARATIONS

If you have questions about your insurance policy, or questions about claims relating to your insurance policy, please contact your insurer at the following:

Chartis
175 Water Street
New York, NY 10038
212 458 5000

ENDORSEMENT NO.

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No.: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

FLORIDA NOTICE OF LOSS CONTROL SERVICES

Pursuant to Florida Administrative Code ("FAC") 690-166.040, we would like to inform you of the risk management programs that we have developed and that are available to you.

For your consideration, we offer the services of Global Loss Prevention, Inc., a Chartis company. Global Loss Prevention, Inc. is a professional risk management company with more than 25 years experience and expertise in assisting with the prevention and mitigation of losses. Global Loss Prevention, Inc. can help address a range of problems related to loss control in various lines of business. Certain risk management programs are available to you, free of charge, as part of your commercial insurance coverage; contact your insurance broker for more details on these plans. Other, more substantive risk management programs can be purchased which include, but are not limited to the following services: surveys/analysis for identifying exposures related to your specific operations, safety management training and counseling for your staff, adoption of relevant testing strategies, and evaluations of current loss control practices.

Upon your written request, we could provide you with specific guidelines for risk management programs as established by FAC 690-166.040. Such guidelines would provide instructions and offer basic criteria to assist you in creating your own risk management plan. Should you request such guidelines and, subsequently, wish to further explore the purchase of a risk management plan, developed by Global Loss Prevention, Inc., which is specific to your company's needs, we would be willing to discuss with you both the availability of such a plan, and if available, its specific content and cost.

Again, we welcome all inquiries regarding the services of Global Loss Prevention, Inc.

POLICY SIGNATURE PAGE

This Policy Signature Page, forms a part of Policy No: 007510666

By signing below, the President and the Secretary of the Insurer agree on behalf of the Insurer to all the terms of this Policy.

Secretary
Commerce and Industry Insurance Company

President
Commerce and Industry Insurance Company

This Policy shall not be valid unless signed at the time of issuance by an authorized representative of the Insurer, either below or on the Declarations page of the Policy.

Authorized Representative

Q#102180 12

POLICYHOLDER DISCLOSURE STATEMENT UNDER TERRORISM RISK INSURANCE ACT OF 2002 Pol#: 007510666

You are hereby notified that under the federal Terrorism Risk Insurance Act of 2002 (the "Act") effective November 26, 2002, you now have a right to purchase insurance coverage for losses arising out of an Act of Terrorism, which is defined in the Act as an act certified by the Secretary of the Treasury (i) to be an act of terrorism, (ii) to be a violent act or an act that is dangerous to (A) human life; (B) property or (C) infrastructure, (iii) to have resulted in damage within the United States, or outside of the United States in case of an air carrier or vessel or the premises of a U.S. mission and (iv) to have been committed by an individual or individuals acting on behalf of any foreign person or foreign interest, as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion. You should read the Act for a complete description of its coverage. The Secretary's decision to certify or not to certify an event as an Act of Terrorism and thus covered by this law is final and not subject to review. There is a $100 billion dollar annual cap on all losses resulting from Acts of Terrorism above which no coverage will be provided under this policy and under the Act unless Congress makes some other determination.

For your information, coverage provided by this policy for losses caused by an Act of Terrorism may be partially reimbursed by the United States under a formula established by the Act. Under this formula the United States pays 90% of terrorism losses covered by this law exceeding a statutorily established deductible that must be met by the insurer, and which deductible is based on a percentage of the insurer's direct earned premiums for the year preceeding the Act of Terrorism.

Unless you sign this form and return it to us rejecting Terrorism Coverage under the Federal Act, you will be covered for Terrorism as defined in the Act and your premium for that coverage is based upon which coverage option you choose (Coverage options setting forth limits, policy term, etc. are set forth in the attached letter of indication).

Option 1 Terrorism Act Premium: $497

COMMERCE & INDUSTRY INS CO Return to: Policy Managers®

NAMED INSURED:
Gerdau Ameristeel US Inc.

Quote#: 102180

Gary DAlonzo
Signature of Insured

GARY DALONZO / Risk Manager
Print Name/Title

6/15/12
Date

81306 (1/03)
CI1973

PROPOSAL ACCEPTANCE - 09

Q#102180 12
Pol#: 007510666

Gerdau Ameristeel US Inc.

I/We accept Proposal for a policy providing the following Limits of Liability and Deductible:

Limits of Liability: _____ Deductible: _____

____ I hereby elect to purchase Terrorism coverage for a premium of $ _____.

X I hereby reject coverage in accordance with the Terrorism Risk Insurance Act of 2002.

Signature of Applicant or Authorized Representative

6/15/12
Date

CERTIFICATE OF INSURANCE

Name: Gerdau Ameristeel US Inc.
Address: See Schedule Below

Policy Number: 007510666

Endorsement: Not Applicable

Period of Coverage: From 07/01/12 To 07/01/13

Name Of Insurer: Commerce and Industry Insurance Company
Address Of Insurer: 175 Water Street
New York, NY 10038

Name Of Insured: Gerdau Ameristeel US Inc.

Address Of Insured: PO Box 31328
Tampa, FL 33631

CERTIFICATION:

1. COMMERCE & INDUSTRY INSURANCE COMPANY, the Insurer, as identified above, hereby certifies that it has issued liability insurance covering the following underground storage tank(s):

See "Item 5. Covered Storage Tank System(s)" on policy referenced above,

for taking corrective action and compensating third parties for bodily injury and property damage caused by accidental releases, in accordance with and subject to the limits of liability, exclusions, conditions and other terms of the policy arising from operating the underground storage tank(s) identified above.

The limits of liability are $ 1,000,000 each occurrence and $ 2,000,000 annual aggregate exclusive of legal defense costs which are subject to a separate limit under the policy. This coverage is provided under 007510666. The effective date of said policy is 07/01/12.

2. The Insurer further certifies the following with respect to the insurance described in Paragraph 1:

a. Bankruptcy or insolvency of the Insured shall not relieve the Insurer of its obligations under the policy to which this certificate applies.

b. The Insurer is liable for the payment of amounts within any deductible applicable to the policy to the provider of corrective action or a damaged third-party, with a right of reimbursement by the insured for any such payment made by the Insurer. This provision does not apply with respect to that amount of any deductible for which coverage is demonstrated under another mechanism or combination of mechanisms as specified in 40 CFR 280.95-280.102.

c. Whenever requested by a Director of an implementing agency, the Insurer agrees to furnish to the Director a signed duplicate original of the policy and all endorsements.

d. Cancellation or any other termination of the insurance by the Insurer, except for non-payment of premium or misrepresentation by the Insured, will be effective only upon written notice and only after the expiration of sixty(60) days after a copy of such written notice is received by the Insured. Cancellation for non-payment of premium or misrepresentation by the Insured will be effective only upon written notice and only after expiration of a minimum of ten(10) days after a copy of such written notice is received by the Insured.

e. The insurance covers claims otherwise covered by the policy that are reported to the Insurer within six months of the effective date of cancellation or non-renewal of the policy except where the new or renewed policy has the same retroactive date or a retroactive date earlier than that of the prior policy, and which arise out of any covered occurrence that commenced after the policy retroactive date, if applicable, and prior to such policy renewal or termination date. Claims reported during such extended reporting period are subject to the terms, conditions, limits, including limits of liability and exclusions of the policy.

I hereby certify that the wording of this instrument is identical to the wording in 40 CFR 280.97(b)(2) and that the Insurer is licensed to transact the business of insurance in one or more states.

Sean M. Pattwell

Signature of Authorized Representative of Insurer
Sean M. Pattwell,
The Director

Authorized Representative of Commerce & Industry Insurance Company

Policy Managers®

ENDORSEMENT

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

CHARTIS STORAGE TANK

THIRD-PARTY LIABILITY AND CLEAN-UP COSTS POLICY

SITE SCHEDULE

Site#	Facility Name/Address, City, State, Zip
1	Gerdau Ameristeel(Jacksonville) 16770 Rebar Rd Baldwin, FL 32234
2	Gerdau Ameristeel Us Inc Old Hwy 90 Rose City, TX 77777
3	Chaparral Steel Midlotian Lp 300 Ward Road Midlothian, TX 76065
4	Tamco Steel 1245 B Arrow Route Rancho Cucomonga, CA 91739

All other terms, conditions, and exclusions shall remain the same.

Sean M. Bluett

AUTHORIZED REPRESENTATIVE
or countersignature(in states where applicable)

81029(08/09)
CI4063

ENDORSEMENT

This endorsement, effective 12:01 AM, 07/01/12

Forms a part of Policy No: 007510666

Issued to: Gerdau Ameristeel US Inc.

By: Commerce and Industry Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SCHEDULE OF COVERED STORAGE TANK SYSTEMS

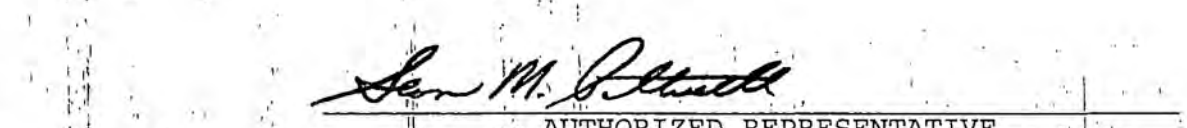
It is agreed that any previous Schedule of Coverage Storage Tank Systems is deleted in its entirety and replaced with the following:

The following Storage Tank System(s) are included in Item 5. COVERED STORAGE TANK SYSTEM(S) of the Declarations, subject to all of the terms and conditions of the Policy and the Policy Period and Retroactive date indicated below. If no dates are indicated below for Policy Period for a subject Storage Tank System, the dates indicated in Item 2. Policy Period of the Declarations shall apply. If no date is indicated below for Retro Date for a subject Storage Tank System, the date indicated in Item 6. Retroactive Date of the Declarations shall apply. If a Policy Period is indicated below for a subject Storage Tank System, Item. 2 Policy Period of the Declarations is deleted in its entirety and replaced with the Policy Period, below, for such Storage Tank System. If a date is indicated below for Retro Date for a subject Storage Tank System, the date indicated in Item 6. Retroactive Date of the Declarations is deleted in its entirety and replaced with Retro Date, below, for such Storage Tank System.

Site* #	Tank #	AST/ UST	Install Date	Capacity (Gal.)	Tank Const.	Effective Date	Expiration Date	Retro Date
1	1	AST	1999	3,000		7/01/12	07/01/13	7/01/05
1	2	AST	2004	1,900		7/01/12	07/01/13	7/01/05
1	3	AST	2008	1,500		7/01/12	07/01/13	7/01/08
1	4	AST	2007	1,500		7/01/12	07/01/13	6/05/07
1	5	AST	2007	3,000		7/01/12	07/01/13	7/01/07
1	6	AST	2008	1,500		7/01/12	07/01/13	7/01/08
2	1	AST	1987	6,000	CPIC	7/01/12	07/01/13	4/26/05
2	2	AST	2001	6,000	CPIC	7/01/12	07/01/13	4/26/05
2	3	AST	2006	1,000	CPIC	7/01/12	07/01/13	6/04/07
2	4	AST	2007	1,000	CPIC	7/01/12	07/01/13	7/01/07
3	1	UST	1998	12,000	DWC	7/01/12	07/01/13	12/15/02
3	2	UST	1998	1,000	DWC	7/01/12	07/01/13	12/15/02
4	1	UST	1987	12,000	DWC	7/01/12	07/01/13	5/26/11

*Site#, name and address are located within the Site Schedule attached to the Policy.

All other terms, conditions, and exclusions shall remain the same.



AUTHORIZED REPRESENTATIVE
or countersignature(in states where applicable)

81017(10/02)
CI2253

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A Division of Chamber Insurance Agency Services, LLC

BINDER OF INSURANCE

To: Sheila L Murray
Wells Fargo Insruance Services USA
2502 N Rocky Point Dr Ste 400
Tampa, FL 33607-

Insured:
Gerdau Ameristeel US Inc.
PO Box 31328
Tampa, FL 33631

Inception Date	Expiration Date	Policy Number	Name of Insurer
07/01/12	07/01/13	007510666	Commerce and Industry Insurance Company

COVERAGE DESCRIPTION

COVERAGE TYPE: Storage Tank third-party liability, corrective action and cleanup costs policy

LIMITS OF LIABILITY: 1,000,000/ 2,000,000

DEDUCTIBLE: 10,000

RETROACTIVE DATE: As Stated in Quote Letter #102180 Seq.# 09

POLICY FORM: 81106(08/09)

COMMISSION: 5.00 %

ENDORSEMENTS: As Stated in Quote Letter #102180 Seq. 9

ANNUAL PREMIUM: 4,884.46
Premium for Certified Acts of Terrorism Coverage Under TRIA 2002: Not Applicable, Coverage Rejected by Insured
FL Surcharge $26.46

BY: Sean M. Bittle **DATE:** 6/22/12

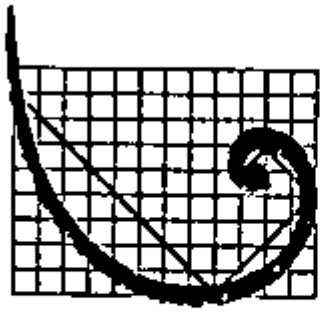
In accordance with your instructions, we have taken action as described above. Please review this confirmation to be sure it accurately reflects those instructions. The policy and/or amendments are being prepared and will be sent to you with an invoice or credit memorandum in due course. Thank you for this opportunity to be of service.

Mario Ledesma
Field Safety Officer

+1 714 709 1271 (mobile)
mario.ledesma@erm.com
www.erm.com

Environmental Resources Management

1920 Main Street
Suite 300
Irvine, CA 92614
+1 949 623 4700
+1 949 623 4711 (fax)



ERM

100% Post-Consumer Content

AARON TEAGUE

SILVERADO

Silverado Contractors, Inc.
13804 Oaks Avenue
Chino, CA 91710
License #782547

Phone: 909-949-6025
Fax: 909-949-6815
Mobile: 951-454-1577

www.silveradocontractors.com

ateague@silveradocontractors.com

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CUPA COMPLIANCE INSPECTION REPORT

NAME: **TAMCO** FACILITY ID: **FA0006582**

ADDRESS: **12459 ARROW RTE STE B** CERS ID:**10152245**

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** INSPECTION DATE: **12/12/2022**

Consent granted by:

☒ **inspect** ☒ **photograph** **Name:** ROUX/ERM **Title:** PERMIT SR0202355

UST REMOVAL PERMIT SR0202355

PURPOSE:
On site to witness the removal of two (one (1) split) Joor Underground Storage Tanks (USTs), piping and Underground Storage Containments (UDCs) and to witness associated soil samples. Photos were taken this date.

PERSONS ONSITE:
On Site Contact: Daniel Zaragoza, Roux
Contractor On Site: Roux, Silverado, ERM
Certifications: Current
Sampling: Daniel Zaragoza, Roux
CIH: Nancy Carraway, CIH
Other On Site: Tammie Graciano, Rancho Cucamonga Fire Department

REMOVAL OBSERVATIONS/INSPECTION
- All UST removal Contractor certifications on site and reviewed. All appropriate for the work being conducted.
- Roux/ERM rinsed out the UST on site. Manifest generated.
- Roux/ERM used a calibrated CGI and PID and measured 0% LEL.
- Nancy Carraway certified the Tank Closure and provided the Tank Closure Forms.
- UST inerted with Dry Ice prior to transport.
- UST pulled and placed onto truck and transported.
- No staining or smell or signs of contamination observed.

SOIL SAMPLING OBSERVATIONS:
- Four (4) samples were taken. Two (2) below the USTs and two (2) Stockpile.
- Lab testing methods from the SBCFD removal guidelines.
- Chain of Custody Reviewed and properly transported.

TANK REMOVAL AND SOIL SAMPLING REQUIREMENTS COMPLETED.
- Inspection conditions of this permit are verified complete.

Submit a UST Closure Report within sixty (60) days of the UST removal/soil sampling date to GKovach@sbcfire.org and usttestresults@sbcfire.org.

Update of the California Environmental Reporting System (CERS) required for UST Permanent Closure.

Any questions about this inspection report contact Gerrit Kovach at GKovach@sbcfire.org or 909-454-8364.

INSPECTED BY:	RECEIVED BY:
GERRIT KOVACH ICC-UI 8253718	Signature Date Time: 12/13/22 6:20:02AM LTR:12/13/2022 6:08:08AM
UST PERMIT SR0202355 NAME	UST REMOVAL TITLE
INSPECTION DATE: 12/12/2022	REPORT DATE: 12/13/22 6:24 am

This report shall serve as a notice to comply for minor violations and a notice of violation for all other violations. THE VIOLATIONS NOTED IN THIS REPORT MUST BE CORRECTED WITHIN 30 DAYS UNLESS OTHERWISE SPECIFIED. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

SR0202355 FINAL / REMOVAL

Certified Unified Program Agency (CUPA)
San Bernardino County Fire Department • Hazardous Materials Section
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460
www.sbcfire.org

PRELIMINARY FIELD INSPECTION REPORT

NAME: TAMCO / CMC
ADDRESS: 12459 ARROW ROUTE
CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739
FACILITY ID: FA0006582
CERS ID: 10152245
INSPECTION DATE: 12/12/22

The following is a preliminary list of violations observed at the time of inspection. The final report may list additional violations. Violations must be corrected within 30 days of inspection unless otherwise specified below.

An inspection was conducted to determine compliance with applicable Underground Storage Tank (UST) and/or hazardous materials and/or hazardous waste laws and regulations. Consent to INSPECT and PHOTOGRAPH was granted by ROUX, ERM. Title: CONTRACTORS

Discussed correct of the following violations within 30 days of inspection: FINAL REMOVAL

CONTRACTORS: ERM, ROUX
CIH: NANCY CARAWAY
SAMPLER: ROUX, ZARAGOZA

- ONE SPLIT UST (10K DIESEL, 2K GASOLINE) REMOVED.
- SAMPLES TAKEN.
- HAZ WASTE TANK CLOSURE FORM AND MANIFESTS RECEIVED.
- FULL REPORT TO FOLLOW
- CERS UPDATE REQUIRED. FINAL CLOSURE REPORT DUE IN 60 DAYS.

Contact Gerrit Kovach at GKovach@sbcfire.org or (909) 454-8364 with any questions regarding this report. A final report will be provided within 65 days. *Final Report may contain additional violations.* ***COMPLETE DETAILED ELECTRONIC REPORT TO FOLLOW***

Refer to Title 19, Title 22 and Title 23 of the California Code of Regulations (CCR), Chapters 6.5, 6.67, 6.7 and 6.95 of the California Health and Safety Code (CHSC), and Division 3 of Title 2 of the San Bernardino County Code (SBCC).

Inspected by:

GERRIT KOVACH, REHS, ICC-UI
HAZARDOUS MATERIALS SPECIALIST

Received by: Signature Date: 12-12-22 Time:

NAME: Daniel Zaragoza Roux
TITLE: Staff Engineer

Rpt#: 7060

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

DOUBLE-WALL STEEL TANK WITH TWO COMPARTMENTS, PLASTIC WRAPPED;

CGI: RKI Eagle, serial number E181203

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

FACILITY ID# 1

TANK OWNER NAME: COMMERCIAL METALS COMPANY 740

TANK OWNER ADDRESS: 12459 EAST ARROW ROUTE 741

TANK OWNER CITY: RANCHO CUCAMONGA 742 | STATE: CALIFORNIA 743 | ZIP CODE: 91739 744

II. TANK CLOSURE INFORMATION

2,000-GALLON COMPARTMENT, GASOLINE

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, % LEL			Concentration of Oxygen, %		
		Top	Center	Bottom	Top	Center	Bottom
1	1212/1 745	0 746a	0 746b	0 746c	20.9 747a	20.9 747b	20.9 747c
2	1212/2 749	0 749a	0 749b	0 749c	20.9 750a	20.9 750b	20.9 750c
3	751	752a	752b	752c	753a	753b	753c

8,000-GALLON COMPARTMENT, DIESEL FUEL

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinsate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Nancy G. Carraway

NAME OF CERTIFIER (Print) 754: Nancy G. Carraway

TITLE OF CERTIFIER 755: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7681

DATE 759: 12/12/2022

CERTIFICATION TIME: 12/2/1 = 6:55am - 6:58am; 12/2/2 = 6:58am - 7:01am

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760

☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761 SAN BERNARDINO COUNTY FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☒ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS: DIESEL FUEL, GASOLINE 763

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☒ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

INERT TANK INTERIOR BEFORE TORCH CUTTING OR USING SPARKING TOOLS ON OR NEAR TANK. TANK IS NOT SUITABLE FOR FOOD OR POTABLE WATER STORAGE. FOR PERSONNEL ENTRY, OR FOR HOT WORK. TANK IS SUITABLE FOR COLD WORK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

CUPA

San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

HAZARDOUS WASTE TANK CLOSURE NOTIFICATION FORM

This form must be submitted prior to initiating cleaning, cutting, dismantling, or excavation of a tank system that previously held hazardous materials or hazardous waste (California Code of Regulations § 67383.3).

I. FACILITY IDENTIFICATION

FACILITY ID #	CERS ID #	FACILITY NAME	
		COMMERCIAL METALS COMPANY	
FACILITY SITE ADDRESS		FACILITY CITY	FACILITY ZIP CODE
12459 EAST ARROW ROUTE		RANCHO CUCAMONGA, CA	91739

TANK OWNER NAME			
COMMERCIAL METALS COMPANY			
TANK OWNER ADDRESS	CITY	STATE	ZIP CODE
12459 EAST ARROW ROUTE	RANCHO CUCAMONGA	CALIFORNIA	91739

DATE(S) THE TANK SYSTEM WILL BE CLEANED AND/OR EXCAVATED, OR CLOSED IN PLACE
~~DECEMBER 6, 2022~~ NL DECEMBER 12, 2022

II. TANK DESCRIPTION *(Attach additional copies of this page for more tanks)*

TYPE	TANK ID #	SIZE (GAL)	CONTENT	LOCATION	METHOD OF CLOSURE
☐ ATS ☑ UST	~~1806~~ NC 2 1212/1	2,000	GASOLINE 4:55am - 6:58am	PARKING LOT, EAST OF MAIN ENTRY	☑ Removal ☐ Closure in Place
☐ ATS ☑ UST	~~1806~~ NC 3 1212/2	~~10,000~~ NC 8,000	DIESEL FUEL 6:58am - 7:01am		☑ Removal ☐ Closure in Place
☐ ATS ☐ UST					☐ Removal ☐ Closure in Place

III. TANK CLOSURE CERTIFIER

NAME OF PERSON AND/OR BUSINESS OF CERTIFIER (MUST MATCH CREDENTIALS)
NANCY R. G. CARRAWAY Nancy R. G. Carraway

CREDENTIAL OF CERTIFIER (ATTACH COPY CREDENTIALS WITH THIS FORM)

- ☐ Contractors State License Board (CSLB) licensed contractor (with Hazardous Substance Removal Certification)
- ☑ California Certified Industrial Hygienist (CIH)
- ☐ California Certified Safety Professional (CSP)
- ☐ California Registered Environmental Health Specialist (REHS)
- ☐ Professional Engineer (PE) registered in California
- ☐ Class II Registered Environmental Assessor
- ☐ California Certified Marine Chemist (CMC)

IV. TANK DESTINATION

DESCRIBE THE INTENDED DISPOSITION AND DESTINATION OF THE TANK SYSTEM

V. IDENTIFICATION OF THE HAZARDOUS MATERIALS OR HAZARDOUS WASTE

Select one of the following options to identify the hazardous materials or hazardous waste last held in the tank:

☐ **OPTION A:** I certify to the best of my knowledge that the identity of the material or waste last stored or accumulated in the tank(s) are as listed in Section II (Tank Description) of this section.

☐ **OPTION B:** A chemical analysis of the residue in the tank(s) has/have been completed and the lab results are attached with this form.

OWNER / OPERATOR SIGNATURE	OWNER / OPERATOR TITLE
OWNER / OPERATOR NAME (PRINT)	DATE

CGI: EAGLE RK, SERIAL NUMBER E181023

DOUBLE-WALL STEEL TANK WITH 2 COMPARTMENTS, PLASTIC-WRAPPED

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Nancy R. G. Carraway

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforenamed individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.





Credential Number:	4197 CP
Award Date:	July 7, 1989
Expiration Date:	December 1, 2026

Alan Leibowitz, CIH, CSP, FAIHA
Chair of the Board of Directors

Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary

TZ# 6810 - LP# 9F64622 / TT# 6806 - LP# 4L85172

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAD982561404	2. Page 1 of 1	3. Emergency Response Phone 562-448-9510	4. Manifest Tracking Number 024185689 JJK

5. Generator's Name and Mailing Address: BTC III ARROW ROUTE CC LP, 4675 MACARTHUR ST STE 525, NEWPORT BEACH, CA 92660

Generator's Site Address (if different than mailing address): 12459-B ARROW RTE, RANCHO CUCAMONGA, CA 91739

Generator's Phone: 949-502-4511

6. US Agent Company Name: West Coast Environmental Solutions Inc. — U.S. EPA ID Number: CAR000270058

7. Transporter 1 Company Name — U.S. EPA ID Number

8. Transporter 2 Company Name — U.S. EPA ID Number: CAT080013352

9. Designated Facility Name and Site Address: World Oil Recycling, 2000 N. Alameda Street, Compton, CA 90222

Facility's Phone: 310-537-7100

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non RCRA Hazardous Waste Liquid	1	TT	1800	G	135		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

9a. 1- Triple rinse of UST
2. Wear proper PPE when handling material.
3. 24hr emergency number 562-448-9510.

Job#6022-
Direct bill to WCES
Hot water wash truck

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of BTC III Arrow Route CC LP Mario Cedeno — Signature — Month 12 Day 12 Year 22

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ralph Sowatzz — Signature — Month 12 Day 12 Year 22

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA'S e-MANIFEST SYSTEM

GENERATOR — TRANSPORTER INT'L — DESIGNATED FACILITY

17-BLC-O-S 55452 (Rev. 2/20)

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

HAZARDOUS WASTE TANK CLOSURE NOTIFICATION FORM

This form must be submitted prior to initiating cleaning, cutting, dismantling, or excavation of a tank system that previously held hazardous materials or hazardous waste (California Code of Regulations § 67383.3).

I. FACILITY IDENTIFICATION

FACILITY ID #	CERS ID #	FACILITY NAME	
		COMMERCIAL METALS COMPANY	
FACILITY SITE ADDRESS		FACILITY CITY	FACILITY ZIP CODE
12459 EAST ARROW ROUTE		RANCHO CUCAMONGA, CA	91739
TANK OWNER NAME			
COMMERCIAL METALS COMPANY			
TANK OWNER ADDRESS	CITY	STATE	ZIP CODE
12459 EAST ARROW ROUTE	RANCHO CUCAMONGA	CALIFORNIA	91739

DATE(S) THE TANK SYSTEM WILL BE CLEANED AND/OR EXCAVATED, OR CLOSED IN PLACE
~~DECEMBER 6, 2022~~ NE DECEMBER 12, 2022

II. TANK DESCRIPTION *(Attach additional copies of this page for more tanks)*

TYPE	TANK ID #	SIZE (GAL)	CONTENT	LOCATION	METHOD OF CLOSURE
☐ ATS ☑ UST	~~1206~~ NC 2 1212/1	2,000	GASOLINE 4:55am - 6:58am	PARKING LOT, EAST OF MAIN ENTRY	☑ Removal ☐ Closure in Place
☐ ATS ☑ UST	~~1206~~ NC 3 1212/2	~~10,000~~ NC 8,000	DIESEL FUEL 6:58am - 7:01am		☑ Removal ☐ Closure in Place
☐ ATS ☐ UST					☐ Removal ☐ Closure in Place

III. TANK CLOSURE CERTIFIER

NAME OF PERSON AND/OR BUSINESS OF CERTIFIER (MUST MATCH CREDENTIALS)
NANCY R. G. CARRAWAY Nancy R. G. Carraway

CREDENTIAL OF CERTIFIER (ATTACH COPY CREDENTIALS WITH THIS FORM)

- ☐ Contractors State License Board (CSLB) licensed contractor (with Hazardous Substance Removal Certification)
- ☑ California Certified Industrial Hygienist (CIH)
- ☐ California Certified Safety Professional (CSP)
- ☐ California Registered Environmental Health Specialist (REHS)
- ☐ Professional Engineer (PE) registered in California
- ☐ Class II Registered Environmental Assessor
- ☐ California Certified Marine Chemist (CMC)

IV. TANK DESTINATION

DESCRIBE THE INTENDED DISPOSITION AND DESTINATION OF THE TANK SYSTEM

V. IDENTIFICATION OF THE HAZARDOUS MATERIALS OR HAZARDOUS WASTE

Select one of the following options to identify the hazardous materials or hazardous waste last held in the tank:

☐ **OPTION A**: I certify to the best of my knowledge that the identity of the material or waste last stored or accumulated in the tank(s) are as listed in Section II (Tank Description) of this section.

☐ **OPTION B**: A chemical analysis of the residue in the tank(s) has/have been completed and the lab results are attached with this form.

OWNER / OPERATOR SIGNATURE	OWNER / OPERATOR TITLE
OWNER / OPERATOR NAME (PRINT)	DATE

DOUBLE-WALL STEEL TANK WITH 2 COMPARTMENTS, PLASTIC-WRAPPED

CGI: 24012 RK 4, SERIAL NUMBER E181023

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

DOUBLE-WALL STEEL TANK WITH TWO COMPARTMENTS, PLASTIC WRAPPED.

CGI: RKI Eagle, serial number E181203

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

FACILITY ID# 1

TANK OWNER NAME: COMMERCIAL METALS COMPANY 740

TANK OWNER ADDRESS: 12459 EAST ARROW ROUTE 741

TANK OWNER CITY: RANCHO CUCAMONGA 742 | STATE: CALIFORNIA 743 | ZIP CODE: 91739 744

II. TANK CLOSURE INFORMATION

2,000-GALLON COMPARTMENT, GASOLINE

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, % LEL			Concentration of Oxygen, %		
		Top	Center	Bottom	Top	Center	Bottom
1	12/2/1 745	0 746a	0 746b	0 746c	20.9 747a	20.9 747b	20.9 747c
2	12/2/2 749	0 749a	0 749b	0 749c	20.9 750a	20.9 750b	20.9 750c
3	751	752a	752b	752c	753a	753b	753c

8,000-GALLON COMPARTMENT, DIESEL FUEL

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Nancy G. Carraway

NAME OF CERTIFIER (Print) 754: Nancy G. Carraway

TITLE OF CERTIFIER 755: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7681

DATE 759: 12/12/2022

CERTIFICATION TIME: 12/2/1 = 6:55 am – 6:58 am; 12/2/2 = 6:58 am – 7:01 am

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760

☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761: SAN BERNARDINO COUNTY FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☒ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS: DIESEL FUEL, GASOLINE 763

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☑ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

INERT TANK INTERIOR BEFORE TORCH CUTTING OR USING SPARKING TOOLS ON OR NEAR TANK. TANK IS NOT SUITABLE FOR FOOD OR POTABLE WATER STORAGE. FOR PERSONNEL ENTRY, OR FOR HOT WORK. TANK IS SUITABLE FOR COLD WORK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Nancy R. G. Carraway

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforenamed individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.

Credential Number:	4197 CP
Award Date:	July 7, 1989
Expiration Date:	December 1, 2026

Alan Leibowitz, CIH, CSP, FAIHA
Chair of the Board of Directors

Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION FAH 3266
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

LOG # C709H-S1 JOB CARD Nº 11232

INSTALL SK 08/18/92 REMOVE

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name CMC Rebar - Etiwanda
Address 12451 Arrow Rte, Rancho Cucamonga
Contractor Dennis K Sale
Address/Phone

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X 1 - 12,000 gallon diesel UST		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements 3 soil samples 8260 & 8015M diesel		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks: Witnessed UST Removal & Soil Sampling 8/14/14 J. Tyler

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 13 days

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 9-30-14

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: White — County Fire Department
Green — Contractor/Owner

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ 870.00 First Tank

$ _____ Each Additional Tank SR0044292 Number of Tanks this Application 1

JOB LOCATION

Facility Name	Contact Person	Phone No.
CMC REBAR	Tim Folsom	909 803 1518

Situs Address	City	Zip Code
12451 ARROW ROUTE	RANCHO CUCAMONGA	91739

Water/Sewer Agency _____ Fire _____

PROPERTY OWNER

Name	Phone No.
CMC STEEL	909 803 1518

Mailing Address	City	Zip Code
12451 ARROW ROUTE		91739

Owner's Representative _____ Phone No. _____

TANK CONTENTS

DIESEL

LENSARO INC. dba 1ST ALERT

CONTRACTOR

Company Name	Contact Person	Phone No.
DENNIS D. ROCK CONSTRUCTION	DENNIS D. ROCK	714 776 1581

Mailing Address	City	Zip Code
923 CHIPPEWA	ANAHEIM	92801

Workman's Comp Insurance Carrier	Policy No.	
STATE FUND	1864904-14	

State Contractor's License No.	Types of Licenses	Expiration Date
578191 & 474674	A, B, HAZ	9/30/2015 & 6/30/15

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Print Name Clearly	Phone
DENNIS D. ROCK	714 776 1581

Signature	Date
Dennis D. Rock	7/9/14

OFFICE USE ONLY

Under Permit ☐ No ☒ Yes — Facility I.D. Number FA# 32606

Number of Tanks 1

Fees Current ☐ No ☒ Yes — Delinquent Amount _____ Expiration Date 10-31-2014

Permit Fee Paid THIS Application 870.00 / Receipt Number 82033

Check Number 3879

Date Paid 7-9-14

Taken by DB

Log Number 072914-01 Job Card Number 1132

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

PA-H 3266

LOG # 051214-01 JOB CARD Nº 11182

INSTALL SR0044233 REMOVE

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name CMC Rebar - ETiwanda
Address 12451 Arrow Rte, Rancho Cucamonga
Contractor Western Pump
Address/Phone

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

Cancelled
UST to be removed

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 15 DAYS

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 7-9-2014

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

DISTRIBUTION: *White — County Fire Department*
Green — Contractor/Owner

14-16867-670 Rev. 2/03

BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION — FIELD SERVICES/ENVIRONMENTAL PROTECTION
620 South E Street, San Bernardino, CA 92415-0153

UNDERGROUND TANK CONSTRUCTION/ MODIFICATION APPLICATION

$ 747.00 First Tank

$ _____ Each Additional Tank

SK 0044233

TANK INSTALLATION ☐
PIPING ONLY ☐
MODIFICATION ☒

JOB LOCATION

CMC REBAR MAINTENANCE TIM FOLSOM — 909.803.1518
Facility Name and Contact Person — Phone No.

12451 ARROW ROUTE — ETIWANDA — 91739
Situs Address — City — Zip Code

N/A — N/A
Fire — Water/Sewer Agency

PROPERTY OWNER

CMC REBAR MAINTENANCE — 909.803.1518
Name — Phone No.

12451 ARROW ROUTE — ETIWANDA — 91739
Mailing Address — City — Zip Code

TIM FOLSOM — 909.803.1518
Owner's Representative — Phone No.

TANK OWNER

CMC REBAR MAINTENANCE — 909.803.1518
Name — Phone No.

12451 ARROW ROUTE — ETIWANDA — 91739
Mailing Address — City — Zip Code

TANK DATA

Construction	Size	Contents	U.L. Number
EXISTING	12,000 GAL.	DIESEL	

CONTRACTOR

WESTER PUMP INC — MAURICE WADE — 619.309.8253
Company Name — Contact Person — Phone No.

3235 F STREET — SAN DIEGO — 92102
Mailing Address — City — Zip Code

Cypress Insurance Co. — 3300066617-141
Workman's Comp Insurance Carrier — Policy No.

673853 — D40, HAZ, A, C10 — 7-31-2015
State Contractor's License No. — Types of Licenses — Expiration Date

MAURICE WADE — 619.309.8253
Print Name Clearly — Phone

Signature — 5/9/14
Date

OFFICE USE ONLY

New Facility ☐

Permitted Facility ☒ Yes ☐ No

FA 3266
Facility ID Number

Number of Tanks 1

Permits Current ☒ Yes ☐ No

10-31-2014
Expiration Date

747.00 — 81977
Permit Fee Paid — Receipt Number

74116
Check Number

5-12-14
Date Paid

JBlake
Taken by

05214-01 — 1182
Log Number — Job Card Number

03-19990-670 Rev. 4/02

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

FA# 32666

LOG # 05 2110-01 JOB CARD Nº 09980

INSTALL REMOVE

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name Circle Fantasy Store 1
Address 12451 Arrow Rte Fontana
Contractor Dennis D. Rocke Const.
Address/Phone Downey 714 776-1581

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks: Finaled 6/30/10 bd G.D

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 20 DAYS

FOR INSPECTION CALL [redacted] IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 3-7-2011

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: *White — County Fire Department*
Green — Contractor/Owner

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION — FIELD SERVICES/ENVIRONMENTAL PROTECTION
620 South E Street, San Bernardino, CA 92415-0153

UNDERGROUND TANK CONSTRUCTION/ MODIFICATION APPLICATION

$ _____ First Tank

$ _____ Each Additional Tank

TANK INSTALLATION ☐
PIPING ONLY ☐
MODIFICATION ☐

JOB LOCATION

CMC STEEL Tim Folsom — 909 8031518
Facility Name and Contact Person — Phone No.

12451 Arrow Route — Rancho Cucamonga — 91739
Situs Address — City — Zip Code

Fire — Water/Sewer Agency

PROPERTY OWNER

CMC Fontana Steel — 909 803 1518
Name — Phone No.

PO Box 2219 — Rancho Cucamonga — 91739
Mailing Address — City — Zip Code

Tim Folsom — 9098031518
Owner's Representative — Phone No.

TANK OWNER

CMC Fontana Steel
Name — Phone No.

Same
Mailing Address — City — Zip Code

TANK DATA

Construction	Size	Contents	U.L. Number

CONTRACTOR

Dennis D. Rock Construction — Dennis D. Rock — 7147761581
Company Name — Contact Person — Phone No.

923 Chippewa — Anaheim — 92801
Mailing Address — City — Zip Code

Exempt
Workman's Comp Insurance Carrier — Policy No.

474674 — A, B, Haz — 6-30-11
State Contractor's License No. — Types of Licenses — Expiration Date

DENNIS D. Rock — 714 7761581
Print Name Clearly — Phone

Dennis D. Rock — 5/11/10
Signature — Date

OFFICE USE ONLY

New Facility ☐

Permitted Facility ☒ Yes ☐ No — FAH 3266 — Facility ID Number

Number of Tanks: 1

Permits Current ☒ Yes ☐ No — 7-31-2010 — Expiration Date

758.00 — Permit Fee Paid — 6621 / Receipt Number

3192 — Check Number

5-01-10 — Date Paid

Taken by

05211-01 — Log Number — 09980 — Job Card Number

POST THIS CARD AT JOI TE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET FAX 326-6
SAN BERNARDINO, CA 92415-0153

LOG # 071509-01 JOB CARD Nº 09693

INSTALL REMOV

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name CMC Fontana Steel
Address 12451 Arrow Rte, Rancho Cucamonga
Contractor Dennis D. Rock Construction
Address/Phone Dennis Rock | 714 776-1581

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X _____		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 20 days

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES _____

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: White — County Fire Departmen
Green — Contractor/Owner

POST THIS CARD AT JOI 'E

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

FA# 3266

LOG # 071509-01 **JOB CARD Nº** 09693

INSTALL REMOVE

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name CMC Fontana Steel
Address 12451 Arrow Rte, Rancho Cucamonga
Contractor Dennis D. Kuck Construction
Address/Phone Dennis Kuck 714 776-1581

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X _____		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 20 days

FOR INSPECTION CALL 48 HOURS IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES _____

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: *White — County Fire Department*
Green — Contractor/Owner

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION — FIELD SERVICES/ENVIRONMENTAL PROTECTION
620 South E Street, San Bernardino, CA 92415-0153

UNDERGROUND TANK CONSTRUCTION/ MODIFICATION APPLICATION

$ _____ First Tank

$ _____ Each Additional Tank

TANK INSTALLATION ☐
PIPING ONLY ☐
MODIFICATION ☐

JOB LOCATION

CMC STEEL Tim Folsom — 909 803 1518
Facility Name and Contact Person — Phone No.

12451 ARROW ROUTE — RANCHO CUCAMONGA — 91739
Situs Address — City — Zip Code

Fire — Water/Sewer Agency

PROPERTY OWNER

CMC FONTANA STEEL — 909 803 1518
Name — Phone No.

P.O. Box 2219 — RANCHO CUCAMONGA — 91739
Mailing Address — City — Zip Code

Tim Folsom — 909 803 1518
Owner's Representative — Phone No.

TANK OWNER

CMC FONTANA STEEL
Name — Phone No.

SAME
Mailing Address — City — Zip Code

TANK DATA

Construction	Size	Contents	U.L. Number

CONTRACTOR

DENNIS D. ROCK CONSTRUCTION — DENNIS D. ROCK — 7147761581
Company Name — Contact Person — Phone No.

923 Chippewa — Anaheim — 92801
Mailing Address — City — Zip Code

EXEMPT
Workman's Comp Insurance Carrier — Policy No.

474674 — A, B, HAZ — 6-30-11
State Contractor's License No. — Types of Licenses — Expiration Date

DENNIS D. ROCK — 714-776 1581
Print Name Clearly — Phone

Dennis D. Rock — 7-9-09
Signature — Date

$ 758.00

OFFICE USE ONLY

258.00 + 500.00 = Total

New Facility ☐

Permitted Facility ☒ Yes ☐ No — FA# 3266 — Facility ID Number

Number of Tanks: 1

Permits Current ☒ Yes ☐ No — 7-31-09 — Expiration Date

Permit Fee Paid 3032 & 3035 — Receipt Number 54420 / 54425

Check Number 7-15-09 — 7-22-09

Date Paid

Taken by 071509-01 — 09693
Log Number — Job Card Number

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

Rcvd 9/10/14

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ 870.00 First Tank

$ _____ Each Additional Tank Number of Tanks this Application 1

JOB LOCATION

Facility Name	Contact Person	Phone No.
CMC REBAR	TIM FOLSOM	909 803 1518
Situs Address	**City**	**Zip Code**
12451 ARROW ROUTE	RANCHO CUCAMONGA	91739
Water/Sewer Agency	**Fire**	

PROPERTY OWNER

Name	Phone No.
CMC STEEL	909 803 1518
Mailing Address	**City** / **Zip Code**
12451 ARROW ROUTE	91739
Owner's Representative	**Phone No.**

TANK CONTENTS

DIESEL

LENSARO INC. dba 1ST ALERT

CONTRACTOR

Company Name	Contact Person	Phone No.
DENNIS D. ROCK CONSTRUCTION	DENNIS D. ROCK	714 776 1581
Mailing Address	**City**	**Zip Code**
923 CHIPPEWA	ANAHEIM	92801
Workman's Comp Insurance Carrier	**Policy No.**	
STATE FUND	1864904-14	
State Contractor's License No.	**Types of Licenses**	**Expiration Date**
578191 & 474674	A, B, HAZ	9/20/2015 & 6/30/15

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Print Name Clearly	Phone
DENNIS D. ROCK	714 776 1581
Signature	**Date**
Dennis D Rock	7/9/14

OFFICE USE ONLY

Under Permit ☐ No ☒ Yes — FA# 32606 (Facility I.D. Number)

Number of Tanks: 1

Fees Current ☐ No ☒ Yes — Delinquent Amount: _____ Expiration Date: 12-31-2014

$70.00 / 182033 — Permit Fee Paid THIS Application / Receipt Number

Check Number 8879

Date Paid 7-9-14

Taken by

Log Number 570914-01 — Job Card Number 11 232

SAN BERNARDINO COUNTY FIRE DEPARTMENT

RECEIPT 82033

DIVISION Haz-Mat DATE 7-11

RECEIVED FROM Dennis D. Koch $ 870.00

Eight Hundred Seventy DOLLARS

ESTABLISHMENT / ACCOUNTS / CONTRACT # FAH 3266

DESCRIPTION	FUND-DEPT-ORG-REVENUE	GRC#	AMOUNT
Cost Recovery	FHZ1001559610	4130	870.00
FAH 3266	CMC Release - Edwards		
	12451 Arrow Rt		
	Rancho Cucamonga		
	Log # 07594.01		
GRAND TOTAL			$ 870.00

PAYMENT TYPE check , CHECK # _____

(SIGNATURE) _____ TITLE _____ BOOK # 604

01-20802-670 Rev. 7/11

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

T-44 3266 11232

LOG # Chevron-21 **JOB CARD** NE

INSTALL _____ REMOVE _____

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name Chevron Keber - Etiwanda
Address 12451 Arrow Rte Rancho Cucamonga
Contractor Kenan Kaleb
Address/Phone _____

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X	1 - 12,000 gallon diesel UST	
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements	3 samples 8260 & 8015M	
		Also L.	
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks: witnessed UST Removal & soil sampling.
8/14/14

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 10 days

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 8-30-14

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: White — County Fire Department
Green — Contractor/Owner

Rancho Cucamonga Fire Protection District
Prevention Bureau Standard

Title: **Hazardous Materials Storage Tank Abandonment/Removal**	
Standard # 57-1	Effective: Jan. 1999
Number of Pages: 4	Revised: January 2014

INTENT

The intent of this standard is to establish requirements for obtaining a permit to abandon, remove, or modify a hazardous materials storage tank.

AUTHORITY

This standard is in accordance with RCFPD Ordinance FD 54 and the 2013 California Fire Code.

ADOPTED STANDARD

1. **Permit Required**

A Fire District permit is required in order to abandon, remove, or modify any hazardous material storage tank.

a. **Permit Process/Plan Submittal**

i. A completed application for permit (Appendix A) and three sets of plans must be submitted to the Fire District for review and approval prior to any work being performed at the site.

ii. The following is the minimum information, where applicable, that must be included with the plan submittal and the permit application.

- ☑ Site Information
- ☑ Property Owner Information
- ☑ Current Occupant Information
- ☑ Contractor Information
- ☐ Consultant Information
- ☐ Degassing contractor information
- ☑ Hazardous Waste hauler information
- ☑ Marine Chemist or Certified Industrial Hygienist information
- ☑ The scope of work to be performed
- ☑ The method of abandonment/removal
- ☑ A soil sampling plan that will determine whether or not regulated products have leaked or otherwise been released into the soil. The plan will include details demonstrating that the sampling will be done in accordance with accepted methods and will provide the name of the California state certified laboratory that will perform the analysis.
- ☐ Projected job schedule
- ☐ Work site respiratory protection action levels
- ☐ Compliance with fire retardant clothing requirement for site workers
- ☑ A site specific health and safety plan
- ☑ A detailed and scaled site plan, including location of tank(s), piping, openings, buildings and structures; Property lines; and underground utilities. Provide note about contacting Underground Service Alert (USA) prior to excavation.
- ☐ Provide note indicating if a Confined Space Entry Permit is required.

iii. The following are the required documents, where applicable, that must be included with the plan submittal and the permit application.

- ☑ Application for Rancho Cucamonga Fire District Hazardous Materials Storage Tank Removal Permit
- ☑ Photocopy of City of Rancho Cucamonga Business License
- ☑ Photocopy of Cal/OSHA excavation permit
- ☑ Photocopies of Worker's Comp and liability insurance policies
- ☑ Photocopy of California contractors license with hazmat endorsement
- ☐ Proof of tank contents or results of lab samples

b. **Permit Fees**

All required fees shall be paid prior to permit issuance.

2. **Inspector Required**

A qualified fire inspector must be present at the site during abandonment/removal operations.

a. The following, where applicable, must be present on-site during operations. This list shall be placed on the plans.

- ☐ Cal/OSHA qualified person for the excavators
- ☑ Cal/OSHA annual crane certificate
- ☑ Marine Chemist or C.I.H. Certification
- ☐ SCAQMD degassing permit
- ☑ EPA generator identification number
- ☑ Copies of employee HAZWOPER training records
- ☑ Company Safety Plan

b. The following are additional general site requirements that will be monitored as applicable by the Fire Inspector. This list shall be placed on the plans.

- ☐ The contractor appearing on the tank removal permit is responsible and accountable for the job site. The contractor shall either perform the work and/or be on site to oversee subcontractors.
- ☐ All Cal/OSHA excavation regulations are strictly enforced
- ☐ All Cal/OSHA safety equipment requirements are strictly enforced
- ☐ All DMV/DOT regulations are strictly enforced
- ☐ Fire retardant clothing shall be worn while working around flammable/combustible vapors.
- ☐ Elimination of ignition sources shall be in accordance with nationally recognized standards
- ☐ Equipment shall be bonded and/or grounded and listed for use in hazardous locations
- ☐ All work performed on the tank shall be done with non-sparking tools, except work that may be performed in accordance with NFPA 306 and under the supervision of a certified Marine Chemist or tanks which contain 0% LEL constantly monitored by a trained and qualified person, with standard tools.
- ☐ A combustible gas indicator (CGI) and an oxygen meter shall be on site, calibrated, and operated by a trained and qualified person (documentation required). Continuous readings shall be taken around the job site to detect accumulation of explosive vapors. If 20% LEL is detected, all operations will halt and you will have one half hour for the dissipation of vapors or the job will be shut down.

  Note: Conversion charts or an instrument capable of monitoring the specific tank contents is required. Instruments shall be protected from sensor poisoning from leaded fuels.
- ☐ Piping shall be flushed before it is disconnected from the tank; if not, it is subject to being hauled as a hazardous waste.

- ☐ A ratio of 25 pounds of dry ice per 1,000 gallons of tank capacity is required to render a tank inert.
- ☐ Tank shall be emptied and rendered inert prior to disturbing tank and surrounding material (i.e. concrete, asphalt, supports, etc.)
- ☐ Dispensers which are no longer going to be used shall be removed.

3. **Prohibited Practices**

Where applicable to the particular job, the following items are prohibited:

- ☐ Removing a hazardous materials storage tank from the excavation or site without a Fire Inspector present. Violations may be subject to criminal and/or civil action.
- ☐ Performing any work prior to the arrival of the Fire Inspector as specified above.
- ☐ Exceeding a 30 minute delay in work or from scheduled inspection start time. Violations may result in additional fees, shutdown, or both.
- ☐ Excavating prior to required notification to Cal/OSHA

4. **Reports Required**

Where applicable to the particular job, the following reports shall be provided to the Fire District:

- ☐ California Hazardous Waste Manifest.
- ☐ Name and address of the licensed Treatment, Storage, and Disposal Facility.
- ☐ Applicable chain of custody and disposal documentation.
- ☐ Tank destruction certificate.
- ☐ Soil sampling report.

5. **Acknowledgement**

I/We acknowledge that we have received and understand RCFPD Standard 34-1 Hazardous Materials Storage Tank Abandonment/Removal.

Project Manager's Name _____ Signature _____

Date _____

DENNIS D. ROCK CONSTRUCTION — Contractor's Name

Dennis D. Rock — Signature

8/6/14 — Date

Appendix A

Rancho Cucamonga Fire Protection District

Prevention Bureau

10500 Civic Center Dr., Rancho Cucamonga, CA 91729 909-477-2770 fax 909-477-2772

Application for Permit to Abandon/Remove Hazardous Materials Storage Tank

Note: This permit is only issued to licensed California Contractors and Property Owners

Date(s): 8/11/14 & 8/14/14 **Time:** 7AM

Site Information

Site Address: 12451 ARROW ROUTE Phone Number: 9098031518

Name of Business: CMC REBAR-ETIWANDA Contact Person: Tim Folsom

Applicant Information

Company Name: _____ Phone Number: _____

Address: _____ Contact Person: _____

Contractor Information

Company Name: LENSARO INC. dba 1ST ALERT/ DENNIS D. ROCK CONSTRUCTION Phone Number: 7147761581

Address: 923 CHIPPEWA, ANAHEIM CA. 92801 Contact Person: DENNIS D. Rock

Method of Abandonment (check one)

- [X] Triple rinsed, certified, rendered inert, and hauled from site
- [ ] Hauled as hazardous waste
- [ ] Triple rinsed, certified, filled with slurry, and abandoned in place

Briefly describe the scope of work to be performed and the number of tanks to be removed/abandoned:

REMOVAL of ONE 12,000 gal fg diesel TANK

Applicant's Name: DENNIS D. Rock Const Phone Number: 7147761581

Applicant's Signature: Dennis D Rock Date: 8/6/14

**********FIRE DISTRICT USE ONLY**********

Approved by: Jessica Estrella Phone Number: (909) 477-2770

Fees Due: $1,128 Date Paid: 8/6/14

RCFPD Standard # 57-1

OF RANCHO CUCAMONGA

Civic Center Drive • Rancho Cucamonga, CA 91730
Tel: (909) 919-2948 • Fax: (909) 919-2959
www.CityofRC.us

INESS LICENSE APPLICATION

(Please print or type clearly, using ink)

CITY OF RANCHO CUCAMONGA
CITY HALL
FINANCE DEPARTMENT
10500 CIVIC CENTER DRIVE
RANCHO CUCAMONGA, CA 91730
909-477-2700
RECEIPT: CR201866 DATE: 08/06/14
CASHIER ID: FINCNTR TIME: 12:41:30
BATCH ID: CL080614

DUE TO:
Business Licenses 47.00
1001000 4201 CK
SB1186 Cert Access Spec Pro 1.00
1003000 4650 CK

TOTAL PAID 48.00

RECEIVED FROM:
DENNIS D. ROCK CONSTRUCTION

PAY TO THE ORDER OF
UNION BANK OF CALIFORNIA, N.A.
CITY OF RANCHO CUCAMONGA
ACCOUNT #2750024418
CR201866 48.00

Boxes or Postal Contract Stations will not be accepted for Business
N CITY LIMITS MUST APPLY IN PERSON AT CITY HALL.)

Start Date:

State: Zip:

State: Zip:

• OFFICIAL USE ONLY •

BUSINESS LICENSE NO.:
RECEIPT NO.:
PAYMENT DATE: City of Rancho Cucamonga
BATCH NO.:
DATE ENTERED:
DATE RECEIVED: RECEIVED AUG 0 6 2014
RECEIVED BY: Business License Division

City of Rancho Cucamonga to store, sell or provide Chloro Fluoro Carbons processed packaging within
uthorize the holder to violate or cause violation of any existing Covenants, Conditions and Restrictions.

r/Developer ☐Service ☐Professional ☐Manufacturing ☐Administrative Headquarters
ith No Fixed Place of Business in the City ☐Property Rental/Commercial or Residential
on-Profit Organization

ALL CONTRACTORS/SUB-CONTRACTORS MUST COMPLETE BOX

Contractor's State License No.: Class:
Project Name:
Project Location:
Total Contract Amount:
General Contractor: SUB LIST REQUIRED

Partners or Corporate Officers. Use Additional Sheets as necessary.

Proprietor ☐General Partnership ☐ Trust ☐Ltd Liability Partnership

Title: Phone: ( )
Social Security No.:
State: Zip: Driver's License No.:
Title: Phone: ( )
Home Address: Social Security No.:
City: State: Zip: Driver's License No.:

BUSINESS OWNER DECLARATION (MUST BE COMPLETED)

Acceptance of payment does not constitute approval of Business License. Authorization to conduct business is not granted until license is issued. I declare, under penalty of perjury that this application is true and correct to the best of my knowledge and belief. I understand and agree that the granting of this Business License requires my compliance with all applicable City of Rancho Cucamonga Municipal Code provisions, state, local, federal laws, and all conditions set forth above.

Signature: Date:
(Business Owner or Agent)

Name (type or print):

PROPERTY OWNER DECLARATION (MUST BE COMPLETED)

I declare that ☐I am the owner, ☐I legally represent the owner, of real property involved in this application and do hereby consent to the filing of this Business License application.

Signature: Date:
(Property Owner or Legal Representative)

Name (type or print):

• OFFICIAL USE ONLY •

Planning Department Approval: ☐Approved ☐Denied
Signature: Date:
Conditions:
Reasons:
Fire Safety Approval:

Enter the amount from Box 8 on reverse of this form	$
Penalty: 50% (if applicable)	$
SB 1186 State Fee	$ 1.00
TOTAL AMOUNT DUE	$

Under federal and state law, compliance with disability access laws is a serious and significant responsibility that applies to all California building owners and tenants with buildings open to the public. You may obtain information about your legal obligations, and how to comply with disability access laws at the following agencies: The Division of the State Architect at www.dgs.ca.gov/dsa/Home.aspx. The Department of Rehabilitation at www.rehab.cahwnet.gov. The California Commission on Disability Access at www.ccda.ca.gov.

Please make check payable to: City of Rancho Cucamonga

Total Amount Received: $ REFUND/BILLED: $

onga Fire Protection District

ter Drive • Rancho Cucamonga, California 91730 • (909) 477-2770

YMENT DUE / APPLICATION FOR PERMIT

7616

NTC # _____ Page ___ of ___

_____ Date: _____

_____ Phone: _____

_____

_____ Phone: _____

_____ State: _____ Zip: _____

ired ☐ Permit and Inspection Fees ☐ Permit Fee(s) Only

ies for an Operational Permit pursuant to Chapter 1, Section 105 of the California
ies that permitted operations shall at all times be in accordance with the Fire Code
Regulations. The premises where the permitted operations are conducted are
ompliance with the conditions of the permit. Issued permits are subject to
Code. Approval of this permit application and/or issuance of an Operational
ng, Planning, or Building Code provision, requirement, or regulation.

	and/or Permit Category / Subcategory	Fee
	Total Due	

☐ Annual Permit ☐ Single Use Permit ☐ Non-Profit Organiztion Fee Reduction Applied ☐ Fee Waived per District Policy

Applicant's Signature _____ **Date** _____

By signing, Applicant acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include invoice number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order along with the Remittance Copy to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807**. Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Dr. Payments are considered past due at 30 days from the date of the Notice of Payment Due. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating. Approved permits will not be issued until all Fire Code violations have been corrected and permit fees have been paid. Conducting regulated operations without a permit could result in the issuance of an Administrative Citation.

Inspector: _____ _____ _____

(Printed Name) (Signature) (Date)

**********FIRE DISTRICT USE ONLY**********

APPLICATION IS: APPROVED ( ) DENIED ( ) Reason for Denial: _____

Date Paid: _____ Payment Amount: _____ Payment Method: Cash Credit Card Check # _____

Form: FIB 01: Revised Nov 2010

Distribution: White – Fire Administration; Yellow – Remittance Copy; Pink – Applicant's Copy

DENNIS D. ROCK CONSTRUCTION

Rancho Cucamonga Fire Protection District

APPROVED

☐ As Submitted ☐ With Noted Conditions

By EPSI Date 8/7/14

Name/Title

San Bernardino County Fire Dept.
Hazardous Materials Division
620 South E. Street
San Bernardino, CA 92415
Attn; Theresa Congdon

July 8, 2014

Dear Theresa,

Please accept this as the work plan for the removal of the underground fuel tank located at CMC Rebar-Etiwanda, 12451 Arrow Route, Rancho Cucamonga, CA 91739.

Dennis D. Rock Construction, a division of, and 1st Alert a dba of, Lensaro Inc., a California Corporation, will provide all equipment, labor, and material to accomplish the following scope of work.

SCOPE OF WORK Removal of one twelve thousand (12,000) gallon underground tank, associated piping, fuel pump dispenser, fuel island, and UST monitor system including:

- Notification of all agencies as may be required, i.e. SCAQMD, County, City, Fire Dept., Dept. of Public Works, Waste Management, Underground/aboveground Tank Unit, the local CUPA, Dig Alert, etc.
- Disconnect all power, and empty, flush and rinse all product piping lines back to tank. Disconnect and cap all lines and pump openings. Strip fuel island of all hardware. Removal and disposal of required concrete slab. Perform all required excavation to expose piping and tank. Backfill removed from under location of former dispenser and on top of the existing tanks will be stockpiled separately for sampling.
- Removal of associated piping, as may be required, to fuel island including removal of island.
- Tank will be triple rinsed, cleaned and vacuumed clean and dry with a vacuum truck and certified clean by a Marine Chemist as non hazardous material. 300 pounds of dry ice will then be added to the tank with the permission of the inspector. Rinsate to be disposed of under Uniform Hazardous Materials Manifest.
- Tank will be removed from the excavation by crane or, with the permission of the inspector broken up in the excavation, and including piping, placed on a truck for export as non hazardous material to a certified disposal facility.
- Securing of required soil samples under tank invert and product line and from stockpiled backfill at the direction of an Agency Inspector. All sampling performed per Title 23, Chapter 3, Subchapter 16, Section 2649 and/or EPA method 5035.
- Submit samples to a California Certified Laboratory and have analyzed using DHS protocol 8015M/gas and Diesel, and 8260/MTBE/Oxygenates.
- Decommissioning and removal of electronic monitoring system.
- Backfill with stockpiled excavated material, if appropriate, and imported granular material and compact same to approximately 90%. Backfill material graded to match existing subgrade.

ENVIRONMENTAL ENGINEERING CONSTRUCTION
REMEDIATION PRECISION DEMOLITION

923 CHIPPEWA, ANAHEIM, CA 92801 • 714-776-1581 • FAX 956-7827 • CSLB 474674 A, B-1, HAZ

- Disposal of non hazardous debris and site cleanup. Resurface excavated area to match existing.
- Final documentation prepared and submitted to the San Bernardino County Fire Hazardous Materials Division.

Thank you for the opportunity to prepare this work plan for you and I am looking forward to working with you. If questions should arise concerning this bid please call.

Sincerely,

Dennis D Rock

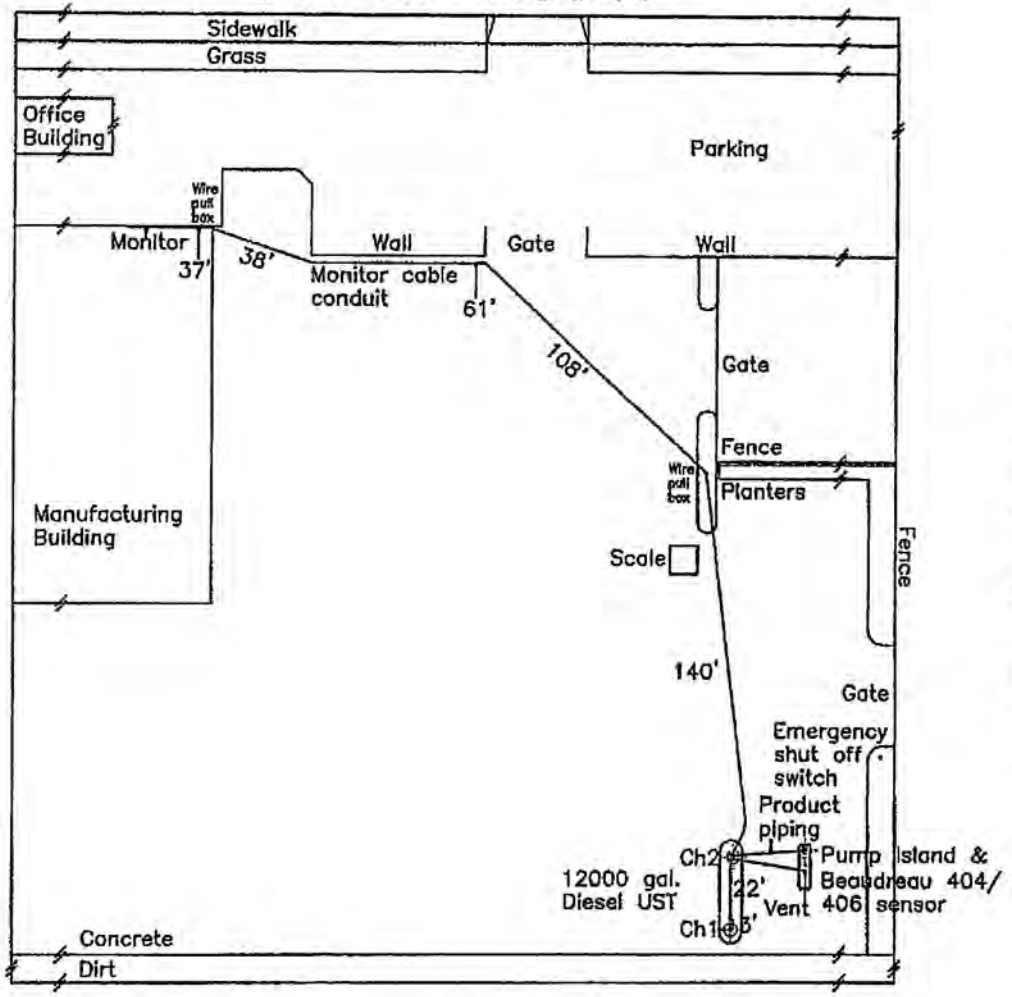
Dennis D. Rock

ENVIRONMENTAL ENGINEERING CONSTRUCTION
REMEDIATION PRECISION DEMOLITION

923 CHIPPEWA, ANAHEIM, CA 92801 • 714-776-1581 • FAX 956-7827 • CSLB 474674 A, B-1, HAZ

Arrow Route

Legend
Ch# = Sensor
⌖ = Sensor location



Dennis D. Rock Construction
923 Chippewa
Anaheim, CA 92801
714-776-1581
CSLB 474674 A,B,Haz 6-30-11

CMC Fontana Steel
12451 Arrow Route
Rancho Cucamonga, CA
91739

Date:
07-07-10

Scale:
0' 30' 60'

Drawing #
1

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/22/2014

IS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS RTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED PRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

PORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to e terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the rtificate holder in lieu of such endorsement(s).

UCER estone Risk Management & Insurance Agency ense No. 0B72766 orporate Park, Ste 130 ine CA 92606	CONTACT NAME: Teresa Shen PHONE (A/C, No, Ext): (949) 852-0909 FAX (A/C, No): (949) 852-1131 E-MAIL ADDRESS: tshen@milestonepromise.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Westchester Fire Insurance Co.	10030
ED saro, Inc. dba 1st Alert nis D. Rock Construction; Dennis D. Rock N Chippewa Ave heim CA 92801-3521	INSURER B: Peerless Insurance Co.	10836
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

ERAGES CERTIFICATE NUMBER: 14/15 Master REVISION NUMBER:

S IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD ICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS RTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, CLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
GENERAL LIABILITY							
X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$ 2,000,000
CLAIMS-MADE X OCCUR			G24271882-003	4/27/2014	4/27/2015	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
						MED EXP (Any one person)	$ 5,000
						PERSONAL & ADV INJURY	$ 2,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 3,000,000
X POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 3,000,000
							$
AUTOMOBILE LIABILITY							
ANY AUTO						COMBINED SINGLE LIMIT (Ea accident)	$
ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per person)	$
HIRED AUTOS / NON-OWNED AUTOS						BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
							$
UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
DED RETENTION $							$
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						WC STATU-TORY LIMITS / OTH-ER	
ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A					E.L. EACH ACCIDENT	$
If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
Professional Liability			G24271882-003	4/27/2014	4/27/2015	Limit	$2,000,000
Equipment Rental			CBP9584967	4/27/2014	4/27/2015	Limit/Deductible	$35,000/500

IPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

IFICATE HOLDER

Proof of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Teresa Shen/TERESA

D 25 (2010/05)

5 (2010/05) 01

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The ACORD name and logo are registered marks of ACORD

ACORD

CERTIFICATE OF LIABILITY INSURANCE

OP ID: DV

DATE (MM/DD/YYYY)
12/31/13

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

ODUCER isserman & Associates urance Brokers, Inc. Box 19970 cramento, CA 95819-3915 k Wasserman	916-739-0254 916-733-0622	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: ROCKD-1

URED	INSURER(S) AFFORDING COVERAGE	NAIC #
Lensaro Inc. DBA: 1st Alert Dennis D. Rock Construction 923 Chippewa Anaheim, CA 92801	INSURER A : State Compensation Ins. Fund	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

VERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD NDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

R	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY							
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	CLAIMS-MADE OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$
								$
	AUTOMOBILE LIABILITY							
	ANY AUTO						COMBINED SINGLE LIMIT (Ea accident)	$
	ALL OWNED AUTOS						BODILY INJURY (Per person)	$
	SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS						PROPERTY DAMAGE (Per accident)	$
	NON-OWNED AUTOS							$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DEDUCTIBLE							$
	RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N N / A		1864904-14	01/01/14	01/01/15	X WC STATU-TORY LIMITS OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

CRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RTIFICATE HOLDER

PROOF06

Proof Of Insurance Coverage

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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State Of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

Consumer Affairs

License Number **474674** Entity INDIV

Business Name DENNIS D ROCK CONSTRUCTION

Classification(s) B A HAZ

Expiration Date 06/30/2015 www.cslb.ca.gov

State Of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

License Number **578191** Entity CORP

Business Name LENSARO INC DBA 1ST ALERT

Classification(s) B A HAZ

Expiration Date 09/30/2015 www.cslb.ca.gov

DENNIS D ROCK - 5297878
UST Installation/Retrofitting - Exp. 07/11/2015
California UST Service Technician - Exp. 07/11/2015

DENNIS D ROCK - 5297878
California UST System Operator - Exp. 11/14/2014

Congratulations! You have demonstrated a commitment to the code enforcement profession by successfully achieving ICC certification. Your certification information will be posted on the Certification Website as an Active Certification. www.iccsafe.org

CERTIFICATION RENEWAL - Certification is valid for a three year period. For Renewal Information see the Bulletin at www.iccsafe.org

AST/UST Certification Renewal - Certification is valid for a two year period. For Renewal Information see the Bulletin at www.iccsafe.org

NAFED Certification Renewal - **NAFED** must receive your application for recertification and documentation at least 60 days prior to the expiration date of the current certification. www.nafed.org/certification/

Renewal of certifications is the responsibility of the certified individual. Please make sure you keep track of your renewal date(s), and advise ICC of any CHANGE OF ADDRESS. www.iccsafe.org

If you have achieved a NAFED certification you must notify **NAFED** of any change of address. www.nafed.org

Best wishes for continued success in your career, and thank you for your interest in the Certification Programs of the International Code Council.

DANA ROCK - 8182624
UST Installation/Retrofitting - Exp. 07/12/2015
California UST Service Technician - Exp. 07/12/2015

DANA ROCK - 8182624
California UST System Operator - Exp. 11/14/2014

Remove card at perforation and FOLD in center before placing in wallet

Safety Dynamics Group
Enhancing safety. Empowering success.

Certificate of Completion

DENNIS ROCK

Has successfully completed the required training as outlined in Fed/OSHA, Title 29, 1910.120 and Cal/OSHA Title 8, 5192 for

8 HOUR HAZWOPER ANNUAL REFRESHER

Date: 8/23/2013 Trainer: ROD BUCK

Safety Dynamics Group
Enhancing safety. Empowering success.

Certificate of Completion

DANA ROCK

Has successfully completed the required training as outlined in Fed/OSHA, Title 29, 1910.120 and Cal/OSHA Title 8, 5192 for

8 HOUR HAZWOPER ANNUAL REFRESHER

Date: 8/23/2013 Trainer: ROD BUCK

ATE OF CALIFORNIA
EPARTMENT OF INDUSTRIAL RELATIONS
VISION OF OCCUPATIONAL SAFETY AND HEALTH

No. 2013-906799

ANNUAL PERMIT

ermit Issued To

(Insert Contractor/Project Administrator's Name, Address and Telephone No.)

Dennis D Rock Construction
Attn: Safety Mgr or Dennis D Rock
923 N Chippewa Ave
Anaheim CA 92801-3521

(714) 776-1581

No.
Date 10/18/2013
Region 3
District 1
Tel. (714) 558-4451

pe of Permit T1-ANNUAL TRENCH/EXCAVATION

suant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

ate Contractor's License Number **474674** | Permit Valid through **October 18, 2014**

Description of Project	Location Address	City and County	Anticipated Dates Starting	Completion
Various nditions of Issuance:	Statewide		Oct 18, 2013	Oct 18, 2014

his Permit is issued upon the following conditions:

That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall notified, in writing, of dates and location of job site prior to commencement.

The employer will comply with all occupational safety and health standards or orders applicable to the above ojects, and any other lawful orders of the Division.

That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application rm the employer will notify the Division immediately.

Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may cause to revoke the permit.

This permit shall be posted at or near each place of employment as provided in 8 CCR 341.4.

ceived From	Received By
ennis D Rock	Permit Unit

] Cash	Amount	Date
] Check 3732	$100.00	10/18/13

Investigated by _____ Safety Engineer Date

Approved by Robert E Kerr 10/18/2013
District Manager/Permit Unit Date

SITE HEALTH and SAFETY CHECKLIST/PLAN

Instructions: The Project Manager or appointed Site Safety Officer will conduct a site survey prior to commencement of project activities. If a formal Site Health and Safety Plan (SHSP) is required, this checklist will be used to develop the plan. If there is no specified requirement for a SHSP, Dennis D. Rock Construction employees will use this checklist, as the project SHSP.

Project: CMC REBAR-ETIWANDA_____ Job No. _____

1) PROJECT LOCATION:12451 ARROW ROUTE._____

RANCHO CUCAMONGA, CA 91739_____

_____

2) PROJECT CHAIN-OF-COMMAND

Name, Project Position & Company Affiliate	Phone Number
_DENNIS D. ROCK _____	___714 776 1581__
DANA ROCK_____	714 920 2125
TIMOTHY FOLSOM_____CLIENT_REP_____	909 803 1518_____
_____	_____

3) PROJECT DESCRIPTION

REMOVAL OF ONE 12,000 GALLON DIESEL UNDERGROUND STORAGE TANK

4) DESCRIPTION OF PROJECT SITE

Identify the type/nature of the facility/site. A Plot Plan may be attached.

CONCRETE RE ENFORCING REBAR FABRICATION_____

Are washroom facilities available at the site? _YES_____ If so, location: _____ If not, what arrangements have been made?

Site Health and Safety Checklist/Plan

Check all following items that appear to apply to this Project/Site. An asterisk by a checked box indicates the possible need for additional attached information.

5) SPECIAL SAFETY/HEALTH CONSIDERATIONS FOR PROJECT

_X_* Site Occupant's Security Regulations

_X_ Project Work Site Security (caution tape, barricades, signs, etc.)

___ Project Sign In/Out Requirements: _N/A_____

_X_* Site Occupant's Emergency Evacuation Plan

_X_* Site Occupant's Safety Requirements for Visitors or Contractors.

___* Confined Space Entry Procedures (identify location and nature of confined space):

___N/A_____

_X_* Electrical Lockout/Tagout Procedures (identify system and personnel involved):

REMOVAL OF POWER TO TANK, ISLAND, PUMP AND MONITOR SYSTEM

_X_* Capping, Disconnect, Flushing of Lines (identify system(s) and personnel involved):

CONTRACTOR --EMPTY FUEL LINE TO TANKS PRIOR TO REMOVING PIPING SYSTEMS _____

___* Set up of Decontamination Area: _____

_X_* Excavation Shoring: BENCH IF REQUIRED – NO EXCAVATION ENTRY BELOW TOP OF TANK

___* Medical Surveillance Program

_X_* Heat Stress Prevention Procedures DRINK PLENTY OF FLUIDS

_X_* Air Monitoring (identify equipment): REA __MULTIREA LITE__5 GAS

___* Personnel Monitoring (identify equipment and personnel involved):

_____

_X_ Other: SOIL MONITORING AQMD R1166 REA MULTIREA LITE 5 GAS

6) POTENTIAL HAZARDOUS MATERIAL EXPOSURES

According to available information, the following controlled substances may be present at the site, or from neighboring sites, from known past or present process/storage activities:

Substance	Location (soil, water, stored, in process, etc.)
_X_* __# 2 DIESEL FUEL_____	___STORED IN TANK_____
_____	_____

Note: Material Safety Data Sheets or other similar documents must be attached. Information must include exposure limits.

7) POTENTIAL PHYSICAL HAZARDS

Specific to the Project Site (describe nature and source of potential problems as applicable).

___ Overhead power lines that may be affected by project work:

_____

_X__ Vehicle traffic: _____ TRUCK TRAFFIC AT STREET_____

___ Pedestrian traffic: _____

___ Overhead cranes or other heavy moving equipment: _____

_____

___ Underground utilities that may be encountered: _____

_____

_X_ Condition of walking/working surfaces: _UNEVEN FOOTING_____

___ Lighting/Ventilation: _____

_X_ Awkward or confining work area: WORKING ON TOP OF TANK_

_X_ Excessive Noise: ___HEAVY EQUIPMENT_____

_X_ Open pits or trenches: _____TANK EXCAVATION_____

___ Airborne contaminants: _____

___ Steam lines, or other sources of possible contact with temperature extremes:

_____

___ Other: _____

8) PERSONAL PROTECTIVE EQUIPMENT

Based on evaluation of site conditions, planned project activities, material safety data, and in accordance with the safety requirements of site occupant operations, project personnel will be required to wear the following personal protective equipment:

___ Hard Hat ___ Safety Glasses ___ with Side Shields

___ Chemical Splash Goggles ___ Face Shield

_X_ Gloves (identify type): _____LEATHER_____

___ Steel Toed Safety Boots ___ Shoes ___

_X_ Sturdy work shoes or boots without steel toes.

___ Tyvek type coveralls ___ with hood ___ with foot covers

_X_ Special full body cover (identify type): _FRC COVERALLS_____

___* Respirators (identify type and attach instructions for wear and care):

_____

_X_ Hearing Protection (identify type). _____SOFT PLUGS_____

___* Safety belt/life line (attach procedures and instructions for use).

_X_ Other (identify and attach applicable information): AS MAY BE DIRECTED BY SAFETY OFFICER___DENNIS D. ROCK_____

SAFETY AND EMERGENCY EQUIPMENT AND SUPPLIES

The following will be on-site for use by project personnel as needed during project work:

_X_ First Aid Kit _X_ Trained/Certified First Aider On-site

_X_ Person Trained/Certified to administer CPR On-site

_X_ Fire Extinguisher ___ Fire Hose ___ Fire Blanket

___ Fire alarm system (explain): _____

___ Smoke Detectors ___ Fire Sprinkler System

_X_ Mobile Phone ___ Facility Phones ___ Pay Phones

___ Walkie-Talkies ___ CB Radio ___ Other: _____

_X_ Barricades _X_ Caution Tape _X_ Signs Specific to Project

___ Safety Shower _X_ Eye Wash Station

___ Weather Monitoring (wind direction and speed, thermometer)

___ Decontamination Supplies (identify): _____

___ Spill containment supplies (identify): _____

_____

___ Other (explain): _____

_____

10) TRAINING

Project personnel will be instructed on all items checked in this plan during a pre-job orientation.

11) DOCUMENTATION

See provided attachments.

12) EMERGENCY PROCEDURES

An Emergency Call List is provided below.

Specific Emergency Procedures, pertaining to the potential emergency conditions checked above, are as follows.

IN THE CASE OF AN EMERGENCY CALL

1. 911
2. DENNIS D. ROCK CONSTRUCTION 714-776-1581
3. WARREN DUNCAN CONTRACTING 909-880-8501
4.

JOB SITE PHONE LIST

CUSTOMER____CMC REBAR-ETIWANDA _____

SITE ADDRESS__12451 ARROW ROUTE_____

CITY__RANCHO CUCAMONGA_____ ZIP__91739_____

SITE MANAGER_____TIM FOLSOM_____

SITE PHONE_909 803 1518 _CELL 909 322 9871_____

CUSTOMER REPRESENTATIVE_____

PHONE_____

CONSULTANT/ENGINEER_____

PHONE_____

COUNTY INSPECTOR_____

PHONE_____

FIRE INSPECTOR_____SAN BERNARDINO FIRE DEPT. THERESA CONGDON_____

PHONE___909 386 8401_____

OTHER INSPECTOR_____

PHONE_____

EXCAVATION CP__DENNIS D. ROCK_____

ADDITIONAL PHONE NUMBERS

1. 714 920 2123
2. 714 920 2125
3. 714 776 1581

SCAQMD 1166 REFERENCE NUMBER

SCAQMD 1149 REFERENCE NUMBER N/A

EPA GENERATOR NUMBER CAL 000120760

HAZARDOUS WASTE HAULING CROSSROADS SERVICES ARMANDO ALFONSO

ENVIRONMENT and CHEMICAL CONSULTANT DAVID RAINS

MARINE CHEMIST HARBOR TESTING --- PAUL WEBSTER

Dennis D. Rock

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

PLAN ISSUE DATE March 5, 2014

APPROVAL SIGNATURE

David Jones
A.Q.A.C. Supervisor

COMPANY I.D.: 134104
Mitigation Plan/Application No. 560867
Applicant: Dennis D. Rock Construction
923 Chippewa
Anaheim, CA 92801

Attention: Dennis D. Rock
Phone: (714) 776-1581 FAX: (714) 956-7827

VARIOUS LOCATIONS
RULE 1166 CONTAMINATED SOIL MITIGATION PLAN

Reference is made to your application (A/N 560867) for the excavation and handling of VOC-contaminated soil at **various locations** within the South Coast Air Quality Management District.

In accordance with Rule 1166 (c), this approved plan is required prior to commencing excavation of any areas, sites, or locations which has previously been used to store or transfer volatile organic compounds (VOC) or during the excavation, handling, or storage of VOC-contaminated soils.

The rights and privileges granted through the issuance of this plan are restricted exclusively to the plan holder to whom it was issued, and are non-transferable, even with the written or expressed consent of the plan holder listed above.

A VARIOUS LOCATIONS PLAN can be used at a site to excavate and remove a maximum of 2000 cubic yards of VOC contaminated soil at the site. Any treatment or additional excavation of VOC contaminated soil at the site will require the issuance of a SITE SPECIFIC plan by the AQMD. Multiple use of VARIOUS LOCATIONS PLANS to excavate over 2000 cubic yards of contaminated soil for the same site is prohibited per Rule 1166.

This excavation and mitigation plan has been approved under the provisions of Rule 1166 of the Rules and Regulations of the AQMD and is subject to the following conditions.

THIS PLAN WILL EXPIRE ONE YEAR FROM THE ISSUE DATE AND THERE IS NO AUTOMATIC RENEWAL PROCESS.

All Various Locations Plans expire one (1) year from the date of issuance. To apply for a new Plan, submit an Application with the filing fee at least one month prior to the Plan expiration date. For an application package and fee information please go to the SCAQMD web page at http://www.aqmd.gov/comply/formsbyrule.htm and look for Rule 1166 information. For questions call 909-396-2326."

PLAN CONDITIONS

SECTION I – GENERAL REQUIREMENTS

1. A SIGNED COPY OF THIS PLAN SHALL BE PRESENT AT EACH EXCAVATION SITE AT ALL TIMES AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

2. THIS PLAN IS NOT VALID FOR THE EXCAVATION OF VOC CONTAMINATED SOILS AT LANDFILLS OR SITES USED FOR DISPOSAL OF REFUSE OR OTHER TYPES OF WASTE.

3. THIS PLAN DOES NOT ALLOW THE TREATMENT OF VOC-CONTAMINATED SOIL BY THERMAL, CHEMICAL, OR MECHANICAL PROCESSES. ANY OF THE ABOVE TREATMENT PROCESSES REQUIRES A PERMIT TO OPERATE FROM THE AQMD AND A SITE-SPECIFIC RULE 1166 PLAN.

4. THIS PLAN DOES NOT ALLOW BACK-FILLING OF TREATED VOC CONTAMINATED SOIL. BACK-FILLING OF TREATED VOC CONTAMINATED SOIL MAY BE ALLOWED UNDER A SITE SPECIFIC RULE 1166 PLAN.

5. A) THE TOTAL QUANTITY OF VOC CONTAMINATED SOIL EXCAVATED AND HANDLED AT EACH SITE SHALL NOT EXCEED **2,000 CUBIC YARDS.** THIS TOTAL INCLUDES ANY VOC CONTAMINATED SOILS EXCAVATED FROM THIS LOCATION UNDER A VARIOUS LOCATION PLAN WITHIN THE LAST TWELVE (12) CALENDAR MONTHS. EXCAVATIONS INVOLVING QUANTITIES IN EXCESS OF 2000 CUBIC YARDS OF VOC CONTAMINATED SOIL REQUIRES THE APPLICATION SUBMITTAL FOR A SITE SPECIFIC RULE 1166 EXCAVATION PLAN.

6. THE AQMD SHALL BE IMMEDIATELY NOTIFIED OF ANY COMPLAINTS RECEIVED AS A RESULT OF ACTIVITIES CONDUCTED UNDER THIS PLAN. SUCH NOTIFICATION SHALL INCLUDE THE NATURE OF THE COMPLAINT, NUMBER OF COMPLAINANTS AND THE ACTION TAKEN BY THE PLAN HOLDER TO MITIGATE THE SOURCE OF THE COMPLAINT.

7. DURING EACH STEP OF THE PROCESS UP TO AND INCLUDING THE REMOVAL AND DISPOSAL PROCESS, ALL PRECAUTIONS AND MEASURES SHALL BE TAKEN TO MINIMIZE THE RELEASE OF VOC, ODOR AND DUST. THIS INCLUDES BUT IS NOT LIMITED TO:

   A) THE USE OF ADDITIONAL PLASTIC SHEETING OR SUPPRESSANT ON EXPOSED SOIL SURFACES AND WORK AREAS,

   B) MAINTAINING PAVED PUBLIC STREETS FREE OF SOIL DEPOSITS, AND

   C) OPERATING SUCH THAT VOC SOIL SHALL NOT BE SPREAD ON-SITE OR OFF-SITE; AND NOT PERFORMING ANY UNNECESSARY MOVEMENT OR AGITATION OF SOIL, INCLUDING THE RESHAPING OR RELOCATION OF STOCKPILES, THAT MAY CAUSE THE UNCONTROLLED EVAPORATION OF VOCs INTO THE ATMOSPHERE.

8. FOR THE PURPOSES OF RULE 1166 AND THIS PLAN, SOIL MEASURED PURSUANT TO RULE 1166 AS VOC CONTAMINATED SOIL, IS CONSIDERED AS VOC CONTAMINATED SOIL FROM THE TIME OF MEASUREMENT ONWARD, UNTIL THE SOIL IS TREATED PURSUANT TO AN APPROVED AQMD TREATMENT PROCESS.

SECTION II – PRIOR TO EXCAVATION

9. AT LEAST **24 HOURS** PRIOR TO COMMENCING EXCAVATION OR GRADING OF SOIL AT THE SITE, THE EXECUTIVE OFFICER OR DESIGNEE SHALL BE NOTIFIED OF THE EXCAVATION BY FAX USING A FORM APPROVED BY THE EXECUTIVE OFFICER WHICH IS FULLY COMPLETED AND INCLUDING, THE NAME OF THE COMPANY PERFORMING THE EXCAVATION, AND THE APPLICATION NUMBER LISTED ON THIS MITIGATION PLAN. THE NOTIFICATION SHALL BE MADE BY FAXING THE NOTIFICATION FORM AT (909) 396-3342. FAX NOTIFICATIONS WILL RECEIVE A REFERENCE NUMBER BY RETURN FAX OR CAN BE OBTAINED REFERENCING THE FAX NOTIFICATION BY PHONE TUESDAY THROUGH FRIDAY DURING BUSINESS HOURS AT 909 396-2326. THE REFERENCE NUMBER SHALL BE RETAINED AS PROOF OF COMPLIANCE WITH THIS REQUIREMENT.

REFERENCE NO: 369478 NOTIFICATION DATE: 8/5/14

10. COMPLETE VERIFICATION INFORMATION IN CONDITION NO. 29 AND OBTAIN REQUIRED SIGNATURES, PRIOR TO COMMENCING EXCAVATION.

SECTION III – MONITORING

11. DURING THE EXCAVATION PROCESS, AN ORGANIC VAPOR ANALYZER (OVA) SHALL BE ON SITE AT ALL TIMES. THE OVA SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES AND SHALL BE CALIBRATED BY THE MANUFACTURER AT LEAST ONCE EVERY THREE MONTHS. THE CALIBRATION OF THE OVA SHALL BE VERIFIED USING CERTIFIED CALIBRATION GAS AT THE BEGINNING OF EACH WORKING DAY WITH THE PROCEDURES SPECIFIED BY THE MANUFACTURER. IF A CALIBRATION GAS OTHER THAN HEXANE IS USED, EACH MEASURED READING SHALL BE CORRELATED TO AND EXPRESSED AS HEXANE, USING EQUIVALENCY FACTORS PROVIDED BY THE MANUFACTURER.

12. ALL MONITORING SHALL BE CONDUCTED AT A DISTANCE NO MORE THAN 3 INCHES ABOVE THE SOIL SURFACE USING AN OVA DESCRIBED IN CONDITION NO. 11 ABOVE. **MONITORING SHALL BE CONDUCTED AT A MINIMUM FREQUENCY OF ONE READING FOR EVERY TWO CUBIC YARDS OF SOIL EXCAVATED, NOT TO EXCEED FIFTEEN MINUTES BETWEEN READINGS. ALL READINGS SHALL BE TAKEN NO LATER THAN THREE (3) MINUTES AFTER EACH LOAD OF SOIL IS EXCAVATED.**

13. ALL MONITORING SHALL BE CONDUCTED BY TRAINED PERSONNEL WHO ARE PROFICIENT IN THE USE OF THE HYDROCARBON MONITOR SELECTED FOR USE AT THIS SITE.

14. WRITTEN RECORDS OF OVA MONITORING AND CALIBRATIONS REQUIRED ABOVE SHALL BE KEPT IN A FORMAT APPROVED BY THE AQMD. THE APPROVED FORMAT IS INCLUDED ON PAGE 8 OF THIS PLAN. THE CERTIFICATION ON ALL RECORDS SHALL BE SIGNED AND DATED ON THE DAY THE MEASUREMENTS ARE OBSERVED.

15. UPON DETECTION OF VOC CONTAMINATED SOIL (READINGS 50 PPM OR GREATER), THE EXECUTIVE OFFICER OR DESIGNEE SHALL BE NOTIFIED **WITHIN 24 HOURS** OF THE FIRST DETECTION OF VOC CONTAMINATION. THE NOTIFICATION SHALL BE MADE BY FAXING THE NOTIFICATION FORM TO (909) 396-3342 OR CALLING (909) 396-2326. A REFERENCE NUMBER WILL BE FAXED BACK OR WILL BE ISSUED WHEN THE PHONE NOTIFICATION IS RECEIVED. ALL PHONE NOTIFICATIONS SHALL BE FOLLOWED BY MAILING THE NOTIFICATION FORM TO THE DISTRICT POSTMARKED **WITHIN 48 HOURS**. THE REFERENCE NUMBER WILL BE RETAINED AS PROOF OF COMPLIANCE WITH THIS REQUIREMENT.

REFERENCE NO: 369478 NOTIFICATION DATE: 8/5/14

SECTION IV – HANDLING AND STORAGE

16. ALL VOC-CONTAMINATED SOIL BELOW 1000 PPM SHALL BE STOCKPILED, COVERED WITH PLASTIC SHEETING AND STORED SEPARATELY FROM NON-VOC-CONTAMINATED SOIL, OR IMMEDIATELY TRANSPORTED TO A TREATMENT FACILITY.

17. A STOCKPILE SHALL NOT CONTAIN MORE THAN 400 CUBIC YARDS OF SOIL.

18. IF THE OVA MEASUREMENT IS GREATER THAN 50 PPMV BUT LESS THAN 1000 PPMV

    A) THE AFFECTED WORK AREA AND LOAD OF SOIL SHALL BE SPRAYED WITH WATER AND/OR APPROVED VAPOR SUPPRESSANT.

    B) CONTAMINATED SOIL IN STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING WHICH OVERLAP A MINIMUM OF TWENTY-FOUR INCHES AND ARE SECURED SO THAT NO PORTION OF THE CONTAMINATED SOIL IS EXPOSED TO THE ATMOSPHERE. IN THE COURSE OF HANDLING THE STOCKPILE, ONLY THE WORKING FACE OF THE STOCKPILE MAY BE UNCOVERED.

19. IF THE SOIL OVA MEASUREMENT EQUALS OR IS GREATER THAN 1000 PPM, NOTIFY THE DISTRICT IMMEDIATELY OR WITHIN ONE HOUR OF DETECTION AND,

    A) THE AFFECTED SOIL AND WORKING AREA SHALL BE IMMEDIATELY SPRAYED WITH WATER OR AN APPROVED VAPOR SUPPRESSANT, AND EITHER:

        i) THE CONTAMINATED SOIL EXCAVATED SHALL BE IMMEDIATELY PLACED IN AQMD APPROVED SEALED CONTAINERS EQUIPPED WITH VAPOR TIGHT LIDS, OR,

        ii) THE SOIL SHALL BE DIRECTLY LOADED IN TRUCKS, SPRAYED WITH ADDITIONAL WATER OR APPROVED VAPOR SUPPRESSANT, COVERED, AND TRANSPORTED IMMEDIATELY OFF SITE TO AN APPROVED TREATMENT FACILITY, OR,

    B) HANDLED BY ALTERNATIVE STORAGE METHODS WITH PRIOR WRITTEN APPROVAL FROM THE AQMD.

20. DURING EXCAVATION, THE ONLY EXPOSED VOC CONTAMINATED SOIL SHALL BE RESTRICTED TO THE IMMEDIATE WORKING AREA OF THE SITE OR STOCKPILE. ALL OTHER PORTIONS OF THE STOCKPILE SHALL BE COVERED WITH PLASTIC SHEETING, WITH SEAMS, WHICH OVERLAP A MINIMUM OF TWENTY-FOUR INCHES AND ARE SECURED WITH DUCT TAPE. ANY EXPOSED VOC-CONTAMINATED SOIL SURFACES (WORK FACE) SHALL BE KEPT MOIST WITH WATER OR OTHER APPROVED SUPPRESSANTS AT ALL TIMES, AND SHALL BE RE-COVERED DURING PERIODS OF INACTIVITY LONGER THAN ONE (1) HOUR. AT THE END OF EACH WORKING DAY, ALL STOCKPILES SHALL BE COMPLETELY COVERED AND SECURELY ANCHORED TO PREVENT ANY EXPOSURE OF SOIL TO THE ATMOSPHERE.

21. ONCE COVERED WITH PLASTIC SHEETING, STOCKPILES SHALL REMAIN UNDISTURBED UNTIL REMOVED FROM SITE.

22. DAILY INSPECTIONS SHALL BE CONDUCTED OF ALL COVERED VOC-CONTAMINATED STOCKPILES TO ENSURE THE INTEGRITY OF THE PLASTIC COVER. SUCH INSPECTIONS SHALL INCLUDE A VISUAL INSPECTION OF ALL SEAMS AND PLASTIC COVER SURFACES. ANY HOLES, TEARS OR ANY OTHER POTENTIAL SOURCES OF FUGITIVE VOC EMISSIONS SHALL BE REPAIRED IMMEDIATELY. DAILY RECORDS SHALL BE MAINTAINED TO ENSURE COMPLIANCE WITH THIS CONDITION.

SECTION V – SOIL REMOVAL AND DISPOSAL

23. ALL EXCAVATED VOC-CONTAMINATED SOIL SHALL BE REMOVED FROM THE SITE WITHIN **THIRTY (30) DAYS** OF ITS EXCAVATION.

24. ALL VOC-CONTAMINATED SOIL REMOVED FROM THE SITE SHALL COMPLY WITH THE FOLLOWING:

    A) BE TRANSPORTED TO AN APPROVED TREATMENT/DISPOSAL FACILITY. IT SHALL BE THE RESPONSIBILITY OF THE PLAN HOLDER TO ENSURE THAT THE RECEIVING TREATMENT/DISPOSAL FACILITY HAS RECEIVED APPROVAL FROM THE APPROPRIATE ENVIRONMENTAL OVERSIGHT AGENCIES TO HANDLE AND TREAT VOC CONTAMINATED SOILS.

    B) WHEN LOADING IS COMPLETED AND DURING TRANSPORTATION, NO EXCAVATED MATERIAL SHALL EXTEND ABOVE THE SIDES OR REAR OF THE TRUCK OR TRAILER.

    C) PRIOR TO COVERING/TARPING, LOADED CONTAMINATED SOIL SHALL BE TREATED BY SPRAYING WITH WATER OR DUST SUPPRESSANTS.

    D) THE TRUCK OR TRAILER SHALL BE COMPLETELY COVERED/TARPED PRIOR TO LEAVING THE SITE TO PREVENT PARICULATE EMISSIONS TO THE ATMOSPHERE.

    E) THE EXTERIOR OF THE TRUCKS (INCLUDING THE TIRES) SHALL BE CLEANED OFF PRIOR TO THR TRUCKS LEAVING THE EXCAVATION SITE.

SECTION VI - RECORDS AND REPORTING

25. A WRITTEN REPORT SHALL BE PROVIDED TO THE AQMD WITHIN 30 DAYS OF INITIAL DETECTION OF CONTAMINATED SOIL, WHICH INCLUDES THE FOLLOWING INFORMATION.

    A) THE STATUS OF THE EXCAVATION PIT, AND ANY VOC CONTAMINATED SOIL REMAINING ON SITE.

    A) A BRIEF SUMMARY INDICATING IF ADDITIONAL CLEAN UP EFFORTS ARE NECESSARY, THE ADDITIONAL QUANTITY OF VOC CONTAMINATED SOILS TO BE EXCAVATED AND THE PROJECTED SCHEDULE OF THE EXCAVATION.

26. RECORDS OF DISPOSAL SHALL BE MAINTAINED FOR ALL VOC-CONTAMINATED SOIL REMOVED FROM THIS SITE. SUCH RECORDS SHALL BE CLEARLY LABELED "**SCAQMD RULE 1166-VOC CONTAMINATED SOIL**" AND SHALL INCLUDE THE IDENTIFICATION AND THE LOCATION OF, 1) THE GENERATOR, 2) TRANSPORTER AND 3) RECEIVING FACILITY. IN ADDITION, SUCH RECORDS SHALL BE SIGNED AND DATED BY EACH OF THE ABOVE PARTIES INDICATING RECEIPT OR RELINQUISHMENT OF THE VOC-CONTAMINATED SOIL AT THE TIME CUSTODY IS TRANSFERRED.

27. RECORDS OF DISPOSAL OF VOC-CONTAMINATED SOIL SHALL BE MAINTAINED ON SITE DURING THE EXCAVATION AND LATER MAINTAINED FOR A PERIOD OF TWO (2) YEARS. THE RECORDS SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

28. WITHIN **THIRTY (30) DAYS** AFTER THE EXCAVATION AT THE SITE IS COMPLETED, THE WRITTEN RECORDS UNDER CONDITIONS NO. 14, 22, AND 27 SHALL BE SUBMITTED TO THE AQMD AT THE FOLLOWING ADDRESS.

    SOUTH COAST AIR QUALITY MGMT DISTRICT
    ENGINEERING & COMPLIANCE DIVISION
    TOXICS & WASTE MANAGEMENT UNIT
    (RULE 1166 COMPLIANCE)
    21865 E. COPLEY DR.
    DIAMOND BAR, CA. 91765-4182

SECTION VII – VERIFICATION AND SIGNATURE

29. THIS PLAN IS NOT VALID UNTIL ALL PARTIES HAVE REVIEWED AND SIGNED THE VERIFICATION STATEMENT BELOW.

Site Name	Type of Business	
CMC REBAR		
Address: 12451 ARROW ROUTE	City: RANCHO CUCAMONGA	Zip: 91739
Responsible Party (Owner/Operator): X	8/8/14	Phone
Address	City	Zip

I CERTIFY THAT I HAVE REVIEWED AND UNDERSTAND THE CONDITIONS CONTAINED WITHIN THIS PLAN. IN SIGNING BELOW, I ACKNOWLEDGE THAT UNDER THE PROVISIONS OF RULE 1166, I CAN BE HELD RESPONSIBILE FOR THE REQUIREMENTS SET FORTH IN THIS PLAN.

Responsible Party: X 8/9/14	Responsible Party Signature: Tim Folsom	Date Signed: 8/8/14
General Contractor	General Contractor Signature	Date Signed
Excavation Contractor: DENNIS D. ROCK	Excavation Contractor Signature: Dennis D Rock	Date Signed: 8/8/14
Environmental Consultant	Environmental Consultant Signature	Date Signed

DEFINITIONS

Excavation	Is the process of digging out and removing materials including any material necessary to that process such as the digging out and removal of asphalt or concrete necessary to expose, dig out and remove known VOC contaminated soil.
Organic Vapor Analyzer (OVA)	For the purposes of this plan, an OVA is an hydrocarbon monitor utilizing flame ionization, photo ionization or other analytical methods complying with 40 CFR PART 60 APPENDIX A, EPA METHOD 21 SECTION 3, "DETERMINATION OF VOLATILE ORGANIC COMPOUND LEAKS, MONITORING INSTRUMENT SPECIFICATIONS. The monitor shall be capable of being calibrated using hexane at a range of 0 parts per million by volume (PPMV) to 50 PPMV, and at a detection range of at least 30 PPMV to 1100 PPMV
Responsible Party	For the purposes of this plan, Responsible Party is the party financially responsible for initiating the excavation. This may include the property owner or the tank operator. This excludes contractors working for the property owner or operator, and any other party that lacks the direct authority to immediately treat all VOC contaminated soils generated at the excavation site.
VOC Contaminated Soil	Is soil that registers a concentration of 50 PPM or greater of volatile organic compounds as measured before suppression materials have been applied and at a distance of no more than three inches from the surface of the excavated soil with an organic vapor analyzer calibrated with hexane.
Volatile Organic Compound (VOC)	Is any volatile compound of carbon, excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, and exempt compounds. Exempt compounds areas defined in Rule 102 – Definitions of Terms.

Once issued, this plan is subject to further review by the AQMD and may be revoked if excavation activities are found in violation of plan conditions or AQMD's Rules and Regulations. Failure to comply with one or more of the conditions contained within this plan constitutes a violation of Rules 221 and 1166.

Other governmental agencies may require approval before any excavation begins. It shall be the responsibility of the applicant to obtain that approval. The South Coast Air Quality Management District shall not be responsible or liable for any losses because of measures required or taken pursuant to the requirements of this approved Rule 1166 Contaminated Soil Mitigation Plan.

Questions regarding this plan should be directed to David Jones at (909) 396-2317.

Rv11/17/04

Rule 203 and Rule 1166 Form Notification Instructions

Use this form to notify of operation of a Soil Vapor Extraction unit (SVE) at any site for more than 5 days per permit condition (R203); or for notifying about R1166 projects prior to excavating soil that is known or suspected to contain Volatile Organic Compounds (VOC), VOC tank excavation, discovering the presence of > 50 ppm and 1000 ppm VOC contaminated soil during soil excavation, or to notify of onsite VOC contaminated soil mitigation or treating.
For questions check our website at **www.aqmd.gov** or call the Hotline at **(909) 396-2326**

NOTIFICATION FEES: Per Rule 301(x) any person required to submit a notification per Rule 1166 projects or Rule 203 - Soil Vapor Extraction projects must pay a notification fee per notification.

FAX all notifications to **(909) 396-3342** and then ***MAIL*** the form and fee within 48 hours of fax to:

SCAQMD Rule 1166 / 203 Notifications, File # 55641, Los Angeles, CA 90074-5641

Notifications must include the following *MANDATORY* information:

Faxback # - Provide your fax # at the top of the Notification Form if you want a **Reference #** faxed back to you.

Notification Type - *CIRCLE the type of Notification.* **Original** is for new or initial Notifications. **Revisions** are for updating information on notifications in which the project End Date has not expired. Provide the most recent prior Reference # issued for **Revisions or Cancellations.**

Project Type - *CIRCLE the type of work* you are submitting a notification for. A separate notification and fee is required for each type of work selected.

Mitigation Plan/Permit - Each Project Type requires a valid R1166 Mitigation Plan ***or*** SVE Permit # *(important).*

Site Contractor Information - Provide the information for the actual contractor ***doing the work.*** The AQMD ID #, also known as Company or Facility ID #, can be found on the contractor's AQMD Mitigation Plan, Permits or invoices.

Site Information - Provide the site name and complete address. Include the street number and name, city, zip code, and nearest cross street. Give more detailed directions for site(s) difficult to locate.

Project Dates - Provide the project Start and End Dates. Any changes will require a Revision notification.

Tank Information - For R1166 tank excavation specify the tank capacity, the VOC material stored in the tank, and if the tank is above ground (a/g) or underground (u/g).

Information Certification - The notification must be signed and dated by the contractor doing the work or authorized representative to confirm that the information provided is complete and accurate.

SOIL/TANK EXCAVATION NOTIFICATION Rule 1166(c)(1)(B) **Notify 24 hours prior of intent to *Excavate* known** or suspected VOC storage and/or transfer equipment (includes diesel and waste oil tanks); or ***handling*** known or suspected VOC contaminated soil. **NOTE:** Soil excavation > 5,000 cubic yards may require a R403 Fugitive Dust Plan.

DETECTING/FINDING VOC SOIL NOTIFICATION - Rule 1166(c)(1)(D)(ii) **Notify of finding VOC contaminated soil**

- within **1 hour** of detecting VOC greater than **1000 ppm***
- within **24 hours** of detecting VOC greater than **50 ppm**
- within **1 hour** of an excavation due to a breakdown requiring a Rule 430 notification to SCAQMD

EMERGENCY NOTIFICATION Rule 1166(c)(1)(B) **Notify prior to start work of any incident declared an emergency by** an authorized agency requiring immediate tank removal/repairs or excavating/handling known or suspected VOC soil:

- **Call** 1-800-CUT-SMOG prior to excavating or fax the emergency notification to 909-396-3342 and
- **Mail** the notification within 48 hours after the excavation including the agency Order or Declaration.

SOIL VAPOR EXTRACTION NOTIFICATION (SVE - Rule 203 *) **Notify upon the 5th day after operating at a new site:** Notifying of ***start-up*** or ***testing*** of operation of portable Soil Vapor Extraction equipment lasting 5 days or more. Provide the distance in feet to the nearest sensitive receptor ***if*** the site is located less than ¼ mile from any Long-Term Health Care Facility, Rehabilitation Center, Convalescent Center, Retirement Home, Residence, School, Playground, Child Care Center or Athletic Facility (* *See your SVE permit condition requirements*).

MITIGATION/TREATING VOC SOIL NOTIFICATION (Rule 203 *) **Notify per Permit condition requirements when:** Notifying of on-site ***mitigation*** or ***treating*** of VOC contaminated soil (* *See your Permit condition requirements*).

WorkCentre 7125
Transmission Report

G3-ID
Local Name
Company Logo

Date & Time : 08/05/2014 9:10 PM
Page : 1(Last Page)

The job has been sent.
Original Size: 8.5 x 11"

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SVE Operation (R203) or Rule 1166 NOTIFICATION FORM

Use this form to notify of operation of a Soil Vapor Extraction unit (SVE); or prior to Excavating, Handling, Monitoring, Treating known or suspect Volatile Organic Compounds (VOC) contaminated soil per R1166. See instructions on the back of this form. For questions check our website at www.aqmd.gov or call the Hotline at (909) 396-2326.
FAX this form to 909-396-3342 and within 48 hours of the fax, MAIL the original form and fee to:
SCAQMD - 1166/203 Notifications, File # 55641, Los Angeles, CA 90074-5641
This form will be faxed back to you with a REFERENCE number if you provide a FAXBACK # here: 714 958 7827

AQMD USE ONLY	RECEIVED BY		POSTMARK		REFERENCE #
COMPLETED BY	DENNIS D. ROCK	Company	DENNIS D. ROCK CONST.	Phone #	(714) 776-1581
Date 8/5/14	Check # 3890	Amount	$56.28	Project #	
NOTIFICATION TYPE (check one only)	Original (Initial) ☑	Revision (prior reference #) ☐		Cancellation (prior reference #) ☐	
PROJECT TYPE (check one only)	[1] Soil Vapor Extraction (SVE) ☐	[2] R1166 Treating Contaminated Soil ☐	[2] R1166 Excavation of VOC Soil/Tank ☑	[2] R1166 Reporting > 50 ppm VOC Soil ☐	[2] R1166 Reporting > 1000 ppm VOC Soil ☐
[1] SVE Permit issued to (name):				[1] SVE Permit Number:	
[1] SVE Distance to nearest sensitive receptor in feet (see your permit condition requirements):					
[2] R1166 Mitigation Plan issued to (name):	DENNIS D. ROCK CONST.			[2] R1166 Plan Number:	560867
[2] R1166 - Date & time of VOC > 50 or 1000 ppm exceedance:				Highest VOC reading in ppm:	
PROJECT DATES	START 8/8/14	END 8/20/14		WORK SHIFT day ☑ swing ☐ night ☐	
SITE CONTRACTOR INFORMATION	AQMD ID # 134104	CSLB License # 474674		Phone #	
Name	DENNIS D. ROCK CONST.	Address	923 CHIPPEWA		
City	ANAHEIM	Zip 92801	Site supv name & phone #	DENNIS ROCK	(714) 776-1581
SITE INFORMATION	Site Name	CMC REBAR-ETIWANDA	Site AQMD ID #		
Site Address	12451 ARROW ROUTE		Cross Street	ETIWANDA	
Site City	Rancho Cucamonga	Zip 91739	Site contact name & phone #	DENNIS ROCK	(714) 776-1581

TANK INFORMATION	# OF TANKS	EACH	CAPACITY (gal)	MATERIAL STORED IN TANK	ABOVE GROUND? (Y/N)
T-1	1	@	12000.00	DIESEL	No
		@			
Example	3 tanks	@	10,000	Gasoline	no

INFORMATION CERTIFICATION I certify that the above information is complete and accurate

Company Name: Dennis D. Rock Const. Print Name: DENNIS D. ROCK Signature: Dennis D Rock Date: 8/5/14

COMMENTS

Revised 01/20/2011 Page 1 of 2

#	Job	Remote Station	Start Date & Time	Duration	Pages	Protocol	Contents	Status
1	9480	FAXCOM	8- 5; 9:09 PM	1:06	1/1	ECM		Completed

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SVE Operation (R203) or Rule 1166 NOTIFICATION FORM

Use this form to notify of operation of a Soil Vapor Extraction unit (SVE); or prior to Excavating, Handling, Monitoring, Treating known or suspect Volatile Organic Compounds (VOC) contaminated soil per R1166. See instructions on the back of this form. For questions check our website at www.aqmd.gov or call the Hotline at (909) 396-2326.
FAX this form to 909-396-3342 and within 48 hours of the fax, MAIL the original form and fee to:
SCAQMD - 1166/203 Notifications, File # 55641, Los Angeles, CA 90074-5641
This form will be faxed back to you with a **REFERENCE** number if you provide a **FAXBACK #** here: 714 956 7827

AQMD USE ONLY	RECEIVED BY		POSTMARK		REFERENCE # 369478
COMPLETED BY	DENNIS D. ROCK	Company	DENNIS D. ROCK CONST.	Phone #	(714) 776-1581
Date 8/5/14	Check # 3890	Amount	~~$56.28~~ 57.18	Project #	
NOTIFICATION TYPE (check one only)	Original (Initial) ☑	Revision (prior reference #) ☐		Cancellation (prior reference #) ☐	
PROJECT TYPE (check one only)	[1] Soil Vapor Extraction (SVE) ☐	[2] R1166 Treating Contaminated Soil ☐	[2] R1166 Excavation of VOC Soil/Tank ☑	[2] R1166 Reporting > 50 ppm VOC Soil ☐	[2] R1166 Reporting > 1000 ppm VOC Soil ☐
[1] SVE Permit issued to (name):			[1] SVE Permit Number:		
[1] SVE Distance to nearest sensitive receptor in feet (see your permit condition requirements):					
[2] R1166 Mitigation Plan issued to (name):	DENNIS D. ROCK CONST.		[2]R1166 Plan Number:	560867	
[2] R1166 - Date & time of VOC > 50 or 1000 ppm exceedance:			Highest VOC reading in ppm:		
PROJECT DATES	START 8/8/14	END 8/20/14	WORK SHIFT day ☑	swing ☐	night ☐
SITE CONTRACTOR INFORMATION	AQMD ID # 134104	CSLB License # 474674	Phone #		
Name	DENNIS D. ROCK CONST.	Address	923 CHIPPEWA		
City	ANAHEIM	Zip 92801	Site supv name & phone #	DENNIS ROCK	(714) 776-1581
SITE INFORMATION	Site Name	CMC REBAR-ETIWANDA	Site AQMD ID #		
Site Address	12451 ARROW ROUTE		Cross Street	ETIWANDA	
Site City	Rancho Cucamonga	Zip 91739	Site contact name & phone #	DENNIS ROCK	(714) 776-1581

TANK INFORMATION	# OF TANKS	EACH	CAPACITY (gal)	MATERIAL STORED IN TANK	ABOVE GROUND? (Y/N)
T-1	1	@	12000.00	DIESEL	No
		@			
Example	*3 tanks*	@	*10,000*	*Gasoline*	*no*

INFORMATION CERTIFICATION I certify that the above information is complete and accurate

Company Name Dennis D. Rock Const. Print Name DENNIS D. ROCK Signature Dennis D Rock Date 8/5/14

COMMENTS

Notification Number :09PM;
- 8/6/2014 - Scott
Robins [redacted]
Scott Robins
08/06/2014 [redacted]
08:28:51AM [redacted]
Reference Nbr:
369478
Loc. Address: X

1/ 1

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SVE Operation (R203) or Rule 1166 NOTIFICATION FORM

FAXED AUG 06 2014

Use this form to notify of operation of a Soil Vapor Extraction unit (SVE); or prior to Excavating, Handling, Monitoring, Treating known or suspect Volatile Organic Compounds (VOC) contaminated soil per R1166. See instructions on the back of this form. For questions check our website at www.aqmd.gov or call the Hotline at (909) 396-2326.
FAX this form to 909-396-3342 and within 48 hours of the fax, MAIL the original form and fee to:
SCAQMD - 1166/203 Notifications, File # 55641, Los Angeles, CA 90074-5641
This form will be faxed back to you with a REFERENCE number if you provide a FAXBACK # here: 714 958 7827

AQMD USE ONLY	RECEIVED BY		POSTMARK		REFERENCE # 369478
COMPLETED BY	DENNIS D. ROCK	Company	DENNIS D. ROCK CONST.	Phone #	(714) 776-1581
Date 8/5/14	Check # 3890	Amount	$58.28 57.18	Project #	

NOTIFICATION TYPE (check one only)	Original (initial)	Revision (prior reference #)	Cancellation (prior reference #)
	✓		

PROJECT TYPE (check one only)	[1] Soil Vapor Extraction (SVE)	[2] R1166 Treating Contaminated Soil	[2] R1166 Excavation of VOC Soil/Tank	[2] R1166 Reporting > 50 ppm VOC Soil	[2] R1166 Reporting > 1000 ppm VOC Soil
			✓		

[1] SVE Permit Issued to (name): [1] SVE Permit Number:

[1] SVE Distance to nearest sensitive receptor in feet (see your permit condition requirements):

[2] R1166 Mitigation Plan issued to (name): DENNIS D. ROCK CONST. [2] R1166 Plan Number: 560867

[2] R1166 - Date & time of VOC > 50 or 1000 ppm exceedance: Highest VOC reading in ppm:

PROJECT DATES	START	8/8/14	END	8/20/14	WORK SHIFT	day ✓	swing	night

SITE CONTRACTOR INFORMATION	AQMD ID #	134104	CSLB License #	474674	Phone #
Name	DENNIS D. ROCK CONST.	Address	923 CHIPPEWA		
City	ANAHEIM	Zip	92801	Site supv name & phone #	DENNIS ROCK (714) 776-1581

SITE INFORMATION	Site Name	CMC REBAR-ETIWANDA	Site AQMD ID #	
Site Address	12451 ARROW ROUTE		Cross Street	ETIWANDA
Site City	Rancho Cucamonga	Zip 91739	Site contact name & phone #	DENNIS ROCK (714) 776-1581

TANK INFORMATION	# OF TANKS	EACH	CAPACITY (gal)	MATERIAL STORED IN TANK	ABOVE GROUND? (Y/N)
T-1	1	@	12000.00	DIESEL	No
		@			
Example	*3 tanks*	@	*10,000*	*Gasoline*	*no*

INFORMATION CERTIFICATION I certify that the above information is complete and accurate

Company Name Dennis D. Rock Const. Print Name DENNIS D. ROCK Signature Dennis D. Rock Date 8/5/14

COMMENTS

Please ***DO NOT*** Mail your original form and check to the Diamond Bar office. **Always** mail your original form and payment to the LOS ANGELES address. And we suggest that you do mail it "Certified Mail - Returned Receipt Requested." The address in Los Angeles is to the Bank of America where the account of ours for this program is held and the deposits are handeled much faster and in an orderly way. Their office is not able to handle Federal Express mail, but it is less expensive to send it Certifed Mail - Returned Receipt Requested AND you DO get confirmation that the correspondence you send to the Los Angeles address IS actually received because of the Returned Receipt.

Thank You.

Scott Robins
Toxics Unit
Engineering & Compliance
South Coast Air Quality Management District
Phone (909) 396-2326 (Unit Line)
Phone (909) 396-2560 (My Desk Line)
FAX (909) 396-3342

Fax

To:
Fax: 17149567827
Company:

From: Scott Robins
Fax:
Voice:

Date: August 06, 2014
Subject: 369478

Comments:

This fax originated from a Biscom FAXCOM® Fax Server. Secure Document Delivery - Everytime. Visit us at www.biscom.com

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive
Diamond Bar, California 91765-4178

Notification(s) FEE REVISION

DATE: July 1, 2014

TO: Whom it May Concern

FROM: Scott Robins
AQMD

FAX: 909.396.3342
PHONE: 909.396.2560

Subject: R1149 & R1166 FEES Started July 1, 2014

The new fee for Notifications as of July 1, 2014 is:

$57.18

This fee is for both Original Notifications and also for Follow-up Notifications - two separate fees need to be paid for each type of Notifications.

Please note for Follow-up Notifications that the box marked as Revision (prior ref #) needs to have the Original notification number typed in that area as well. We will assign a new Reference # and Fax it back to you just like we do for the Original Notifications.

Please FAX the Original Notification Form and Follow-ups to (909) 396-3342. After we assign Reference# the form will be faxed back to you with the number appearing in the upper right-hand area of the form right next to "Reference_____." ***WRITE THAT NUMBER ON THE FORM YOU FAXED TO US BEFORE YOU MAIL IT TO US WITH YOUR CHECK FOR $57.18.***

Then mail your Original or Follow-up/Revision (prior ref #) form with the notification number we assign to with your check for $57.18 to:

SCAQMD
Rule 1166/1149 Notification - File # 55641
Los Angeles, CA 90074-5641

1ST ALERT
923 CHIPPEWA
ANAHEIM, CA 92801

1166 EXCAVATION MONITORING

SITE ADDRESS _____
OWNER _____
CONTRACTOR _____

DATE	EQUIPMENT	CALIBRATION	HEX / METH	READING
8/12/14	MultiRae	AUTO PPM		0 LEL

DATE	TIME	READING
08/12/14	0830	0
	45	0
	0900	0
	15	0
	30	0
	45	0
	1000	0
	15	0
	30	0
	45	0
	1100	0
	BREAK	
	1130	0
	1145	0
	1200	0
	1215	0
	30	0
	45	0
	1300	0

DATE	TIME	READING

12720

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: **CMC Rebar Etiwanda** DATE ISSUED: **08-07-2014**

ADDRESS: **12451 Arrow Rte, Rancho Cucamonga** PHONE: **714-920-2123**

TO: (Type of permitted use / activity)

Hazardous Materials Tnk Removal
Inspection required prior to removal
Date 8-14-14 8:00am

AT: (Location of permitted use / activity) **12451 Arrow Rte, Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

Contact: Dennis Rock 714-920-2123 cell

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **08-14-2014**

Issued By: **Rob Ball**

Title: **Fire Marshal**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

CAL ICE COMPANY
P.O. Box 9763
MARINA DEL REY, CA 90295
(310) 590-1260

CUSTOMER'S ORDER NO.	PHONE	DATE
CELL	714 920 2123	8-13-14

NAME Dennis Rock

ADDRESS 923 N. Chippewa

Anaheim 92801

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT
			X			

QTY.	DESCRIPTION	PRICE	AMOUNT
	40 LBS. CUBES = 20 LBS. CUBES		
	7 LBS. CUBES		
350#	DRY ICE pellets		262 50
	BLOCK ICE		
	TAX		24 94
	TOTAL		287 44

RECEIVED BY
Print Name:
Time:

67676 All claims and returned goods MUST be accompanied by this bill.

THANK YOU

CAL ICE COMPANY
P.O. Box 9763
MARINA DEL REY, CA 90295
(310) 590-1260

OFF 714 776-1581

CUSTOMER'S ORDER NO.	PHONE	DATE
CELL 714	920-2123	8-10-14

NAME DENNIS ROCK

ADDRESS 923 N. CHIPPEWA AVE

(HOUSE) ANAHEIM CA 92801

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT
				X		

QTY	DESCRIPTION	PRICE	AMOUNT
	40 LBS. CUBES = 20 LBS. CUBES		
	7 LBS. CUBES		
350#	DRY ICE pellets		262 50
	BLOCK ICE		
1	WHITE DRY ICE CONTAINER		
	Dennis Rock		
	TAX		24 94
	TOTAL		287 44

RECEIVED BY
Print Name:
Time:

67617 All claims and returned goods MUST be accompanied by this bill.

THANK YOU

6161

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAL000120760	1	562-307-0895	012409714 JJK

GENERATOR

5. Generator's Name and Mailing Address
CMC Rebar Ellwanda
12851 Moore Route
Rancho Cucamonga, CA 91739
Generator's Phone: 562-865-0753

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Action Waste Oil Services

U.S. EPA ID Number
CAD000280575

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address Industrial Service Oil Co Inc
2525 S Soto St.
Los Angeles CA 90023
Facility's Phone: 562-906-8571

U.S. EPA ID Number
CAD054402708

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA Hazardous Waste Liquid, NOS	1	TT	950	G	221
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: KEVIN D. KOCK FOR CMC DE Signature: Kevin D. Kock Month: 8 Day: 13 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jon Bixler Signature: Month: 8 Day: 13 Year: 14

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H 2 0 | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Signature: Month: 8 Day: 14 Year: 14

PA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

MARINE CHEMIST CERTIFICATE

Serial # 1176

HARBOR TESTING LABORATORY INC.
24 HOUR PHONE: (562) 492-9646

Survey Requested By	Vessel Owner or Agent	Date
DENNIS D. ROCK CONST.	CMC REBAR-ETIWANDA	13 AUGUST 2014
Vessel	**Type of Vessel**	**Specific Location of Vessel**
TANK NO. 1170 (11232)	DOUBLE-WALL FIBERGLASS UNDERGROUND	12451 ARROW ROUTE RANCHO CUCAMONGA CA
Last Cargo	**Tests Performed**	**Time Survey Completed**
DIESEL	O_2; LEL; VISUAL; TOXICITY	1148

TANK NO. 1170 (11232) – 20.8% O_2; 0% LEL; <0.2 ppm H_2S; <10 ppm HYDROCARBON VAPOR (AS ISOBUTYLENE)

NOT SAFE FOR WORKERS

NOT SAFE FOR HOT-WORK

TANK HAS BEEN ISOLATED, OPENED, WASHED, VENTILATED, MARKED WITH ORANGE SPRAY-PAINT AND IS

SAFE TO COLD CUT

GfG INST. MOD. G-460, S.N. 12091358 CALIBRATED 13 AUG '14

In the event of any physical or atmospheric changes affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, this certificate is voided, or if there is any question about the conditions, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast, cargo, fuel, or manipulation of valves or closure equipment tending to alter conditions in pipelines, tanks, or compartments subject to gas accumulation, unless specifically approved on this Certificate, requires inspection and a new Certificate for spaces so affected. All lines, vents, heating coils, valves, and similar enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. Movement of the vessel from its specific location voids the Certificate unless shifting of the vessel with the facility has been specifically authorized on this Certificate.

STANDARD SAFETY DESIGNATIONS: (partial list, paraphrased from NFPA 306, Subsections 4.3.1 through 4.3.6).

ATMOSPHERE SAFE FOR WORKERS: In the compartment or space so designated (a) the oxygen content of the atmosphere is at least 19.5 percent and not greater than 22 percent by volume; (b) the concentration of flammable materials is below 10 percent of the lower explosive limit; (c) any toxic materials in the atmosphere associated with cargo, fuel, tank coatings, inerting mediums, or fumigants are within permissible concentrations at the time of the inspection.

NOT SAFE FOR WORKERS: In the compartment or space so designated, entry is not permitted.

ENTER WITH RESTRICTIONS: In the compartment or space so designated, entry for work is permitted only if conditions of proper protective equipment, or clothing, or time, or all of the aforementioned, as appropriate, are as specified.

SAFE FOR HOT WORK: In the compartment or space so designated (a) the oxygen content of the atmosphere is not greater than 22 percent by volume; (b) the concentration of flammable materials in the atmosphere is less than 10 percent of the lower explosive limit; (c) the residues, scale, or preservative coatings are cleaned sufficiently to prevent the spread of fire and are not capable of producing a higher concentration than permitted by (a) or (b); (d) all adjacent spaces, containing or having contained flammable or combustible materials shall be sufficiently cleaned of residues, scale, or preservative coatings to prevent the spread of fire, or they are inerted. Ship's fuel tanks, lube tanks, or engine room or fire room bilges, or other machinery spaces, are treated in accordance with the Marine Chemist's requirements.

SAFE FOR LIMITED HOT WORK: In the compartment or space so designated (a) portions of the space meet the requirements for Safe for Hot Work and Partial Cleaning, as applicable, or (b) the space is inerted, adjacent spaces meet the requirements for Safe for Hot Work, and hot work is restricted to specific locations; (c) portions of the space shall meet the requirements for Safe for Hot Work, as applicable, and the nature or type of hot work is limited or restricted.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

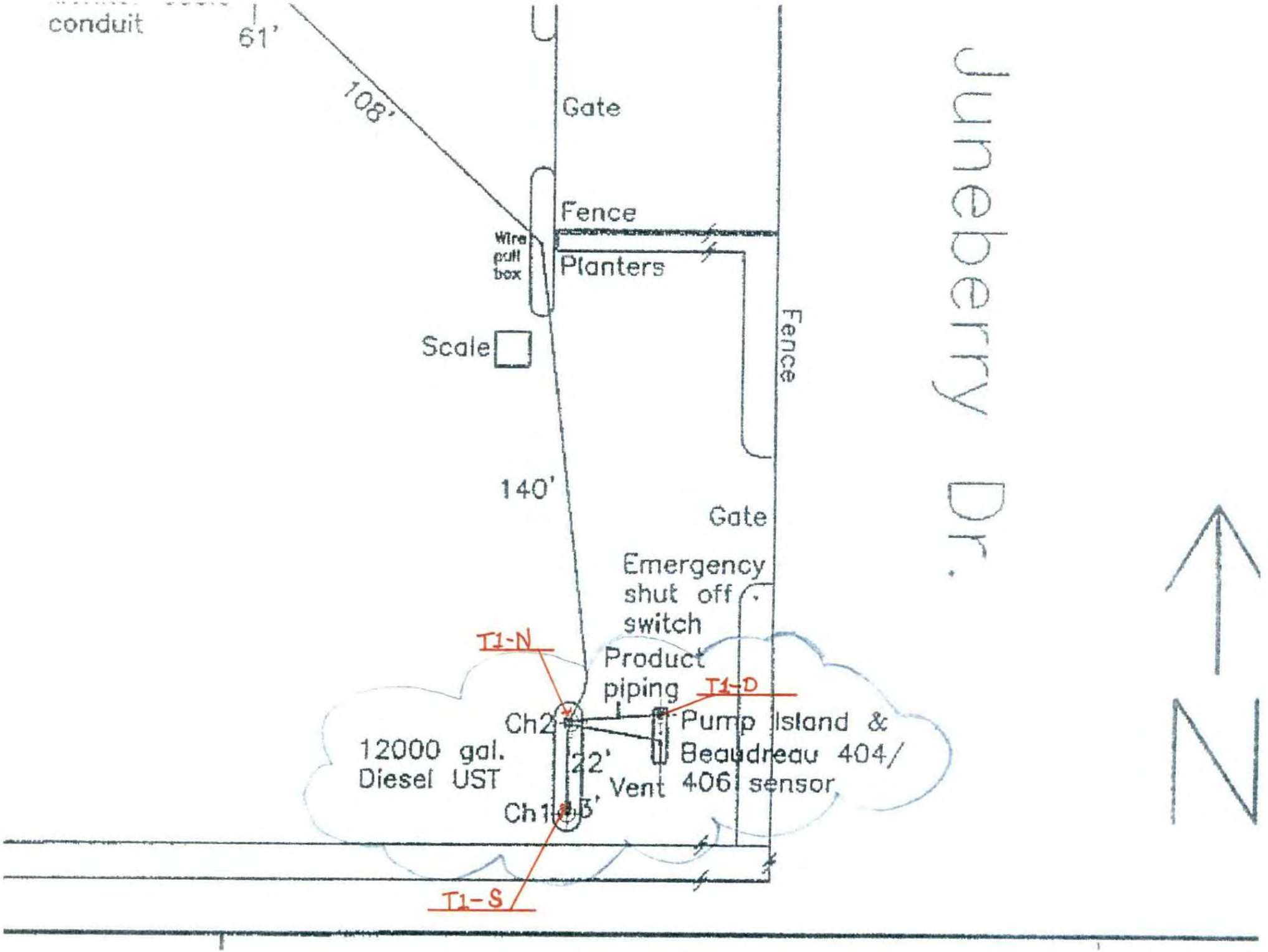
CHEMISTS ENDORSEMENT: This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under NFPA 306 and understands conditions and limitations under which it was issued, and the requirements for maintaining its validity.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed Dennis D Rock (Name) D.D. ROCK CONST. (Company) 13 AUG '14 (Date)

Signed (Marine Chemist) #675 (Certificate No.)


conduit
61'
108'
Gate
Fence
Wire pull box
Planters
Scale
Fence
140'
Gate
Emergency shut off switch
T1-N
Product piping
T1-D
Ch2
Pump Island &
12000 gal.
Diesel UST
22'
Beaudreau 404/
Vent 406 sensor
Ch1
5'
T1-S
Juneberry Dr.
N

DENNIS D. ROCK CONSTRUCTION/1st ALERT

923 Chippewa, Anaheim, CA 92801

Job Number 344869

Chain of Custody

Phone 714-776-1581 Fax 714-956-7827

Project Identification 12451 Arrow Rte Rancho Cucamonga

Sampler DAVE KENDALL

Consultant/Engineer

Phone 949-677-1736 Fax

Sample Date 8/14/14

Laboratory ASSOCIATED

Address

Phone

Lab number

Method of Shipment DELIVERED

Special detection Limit/reporting

Special QA/QC Req'd Yes ☐ No ☐

Remarks

Turnaround time

Priority Rush 24 Hour ☐

Rush 48 Hours ☐

Expedited 72 Hours ☐

Standard ☑

Report Req by

Sample I.D.	Lab no.	Time	Matrix: Soil	Water	Other	Preservation: Chilled	Light Protected	Acid	Type Container	Sample Volume	Sample Method	TPH EPA 418.1/SM 503E	EPA 601/8010	TPH 8015 MOD GAS ☐ DIESEL ☑	BTEX EPA 602/8020	BTEX/TPH EPA M602/8020/8015	EPA 624/8240	EPA 625/8270	LEAD ORG/DHS LEAD EPA 7420/7421 ☐☐	TCLP METALS ☐ SEMI VOA ☐ VOA ☐	TITLE 26 METALS EPA 6010/7000 TTLC ☐ STLC ☐	8260 B			
T1-		0941	X			X			SS					X								X			
T1-M		0951	X			X			SS					X								X			
T1-D		0957	X			X			SS					X								X			

Security Seal Attached Yes ☐ No ☐	Date	Time		Security Seal Intact	Chilled	Date	Time
Relinquished by sampler	8/14/14	1038	Received by Dennis D Rock	Yes ☐ No ☐	Yes ☒ No ☐	8/14/14	1038
Relinquished by Dennis D Rock	8/14/14	1416	Received by	Yes ☐ No ☒	Yes ☒ No ☐	8/14/14	1416
Relinquished by			Received by laboratory	Yes ☐ No ☐	Yes ☐ No ☐		

Associated Laboratories
806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com

ACCREDITED IN ACCORDANCE WITH nelac
04232CA

Client: Dennis D. Rock Construction/1st Alert
Address: 923 Chippewa
Anaheim, CA 92801

Attn: Dennis D. Rock

Comments: 12451 Arrow Rte., Rancho Cucamunga

Lab Request: 344869
Report Date: 08/28/2014
Date Received: 08/14/2014
Client ID: 2320

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
344869-001	T1-S
344869-002	T1-N
344869-003	T1-D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Nina Prasad
President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 45 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Matrix: Solid	**Client:** Dennis D. Rock Construction/1st Alert	**Collector:** Client	
Sampled: 08/14/2014 09:42	**Site:**		
Sample #: 344869-001	**Client Sample #:** T1-S	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B NELAC	**Prep Method:** EPA 3545					**QCBatchID:**	QC1148750
TPH Diesel	**1.26**	1	1	mg/Kg	08/18/14	lyt	
Surrogate	*% Recovery*		*Limits*	*Notes*			
Triacontane (SUR)	*126*		*60-140*				
Method: EPA 8260B NELAC	**Prep Method:** EPA 5035					**QCBatchID:**	QC1148786
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,1-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromoethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,4-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
2,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Butanone (MEK)	ND	1	100	ug/Kg	08/15/14	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Isopropyltoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	08/15/14	nicollez	
Acetone	ND	1	100	ug/Kg	08/15/14	nicollez	
Allyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Benzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromochloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromodichloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromoform	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Carbon Tetrachloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorodibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroform	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Dibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	

Matrix: Solid	**Client:** Dennis D. Rock Construction/1st Alert	**Collector:** Client	
Sampled: 08/14/2014 09:42	**Site:**		
Sample #: 344869-001	**Client Sample #:** T1-S	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Dichlorodifluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Hexachlorobutadiene	ND	1	5	ug/Kg	08/15/14	nicollez	
Isopropylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
m and p-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Methylene chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Naphthalene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-propylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
o-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Sec-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Styrene	ND	1	5	ug/Kg	08/15/14	nicollez	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg	08/15/14	nicollez	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg	08/15/14	nicollez	
Tert-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Tetrachloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Toluene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,2-dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichlorofluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Vinyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Xylenes (Total)	ND	1	5	ug/Kg	08/15/14	nicollez	

Surrogate	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	*82*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromodifluoromethane (SUR)	*90*	*70-145*	
Toluene-d8 (SUR)	*100*	*70-145*	

Matrix: Solid	**Client:** Dennis D. Rock Construction/1st Alert	**Collector:** Client	
Sampled: 08/14/2014 09:53	**Site:**		
Sample #: 344869-002	**Client Sample #:** T1-N	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B *NELAC*	**Prep Method:** EPA 3545					**QCBatchID:**	QC1148750
TPH Diesel	1.02	1	1	mg/Kg	08/18/14	lyt	
Surrogate	*% Recovery*	*Limits*	*Notes*				
Triacontane (SUR)	*89*	*60-140*					
Method: EPA 8260B *NELAC*	**Prep Method:** EPA 5035					**QCBatchID:**	QC1148786
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,1-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromoethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,4-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
2,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Butanone (MEK)	ND	1	100	ug/Kg	08/15/14	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Isopropyltoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	08/15/14	nicollez	
Acetone	ND	1	100	ug/Kg	08/15/14	nicollez	
Allyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Benzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromochloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromodichloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromoform	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Carbon Tetrachloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorodibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroform	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Dibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	

Matrix: Solid	**Client:** Dennis D. Rock Construction/1st Alert	**Collector:** Client	
Sampled: 08/14/2014 09:53	**Site:**		
Sample #: 344869-002	**Client Sample #:** T1-N	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Dichlorodifluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Hexachlorobutadiene	ND	1	5	ug/Kg	08/15/14	nicollez	
Isopropylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
m and p-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Methylene chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Naphthalene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-propylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
o-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Sec-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Styrene	ND	1	5	ug/Kg	08/15/14	nicollez	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg	08/15/14	nicollez	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg	08/15/14	nicollez	
Tert-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Tetrachloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Toluene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,2-dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichlorofluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Vinyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Xylenes (Total)	ND	1	5	ug/Kg	08/15/14	nicollez	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromodifluoromethane (SUR)	*91*	*70-145*	
Toluene-d8 (SUR)	*103*	*70-145*	

Matrix: Solid **Client:** Dennis D. Rock Construction/1st Alert **Collector:** Client
Sampled: 08/14/2014 09:59 **Site:**
Sample #: 344869-003 **Client Sample #:** T1-D **Sample Type:**

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B *NELAC* **Prep Method:** EPA 3545						**QCBatchID:**	QC1148750
TPH Diesel	**1.52**	1	1	mg/Kg	08/18/14	lyt	
Surrogate	*% Recovery*	*Limits*	*Notes*				
Triacontane (SUR)	*99*	*60-140*					
Method: EPA 8260B *NELAC* **Prep Method:** EPA 5035						**QCBatchID:**	QC1148786
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,1-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromoethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,4-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
2,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Butanone (MEK)	ND	1	100	ug/Kg	08/15/14	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Isopropyltoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	08/15/14	nicollez	
Acetone	ND	1	100	ug/Kg	08/15/14	nicollez	
Allyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Benzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromochloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromodichloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromoform	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Carbon Tetrachloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorodibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroform	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Dibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	

Matrix: Solid	**Client:** Dennis D. Rock Construction/1st Alert	**Collector:** Client	
Sampled: 08/14/2014 09:59	**Site:**		
Sample #: 344869-003	**Client Sample #:** T1-D	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Dichlorodifluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Hexachlorobutadiene	ND	1	5	ug/Kg	08/15/14	nicollez	
Isopropylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
m and p-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Methylene chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Naphthalene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-propylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
o-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Sec-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Styrene	ND	1	5	ug/Kg	08/15/14	nicollez	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg	08/15/14	nicollez	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg	08/15/14	nicollez	
Tert-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Tetrachloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Toluene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,2-dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichlorofluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Vinyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Xylenes (Total)	ND	1	5	ug/Kg	08/15/14	nicollez	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*91*	*70-145*	
4-Bromofluorobenzene (SUR)	*109*	*70-145*	
Dibromodifluoromethane (SUR)	*86*	*70-145*	
Toluene-d8 (SUR)	*100*	*70-145*	

QCBatchID: QC1148750	**Analyst:** lytagas	**Method:** EPA 8015B	
Matrix: Solid	**Analyzed:** 08/15/2014	**Instrument:** SVOA-GC (group)	

Blank Summary

Analyte	Blank Result	Units		RDL	Notes	
QC1148750MB1						
TPH (C10 to C22)	ND	mg/Kg		3		
TPH (C22 to C36)	ND	mg/Kg		5		
TPH (C6 to C10)	ND	mg/Kg		3		
TPH Diesel	ND	mg/Kg		1		

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1148750LCS1											
TPH Diesel	25		17.6		mg/Kg	70			70-130		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1148750MS1, QC1148750MSD1												**Source: 344869-001**
TPH Diesel	1.26	25	25	26.0	25.7	mg/Kg	99	98	1.2	70-130	30	

QCBatchID: QC1148786	Analyst: nicollez	Method: EPA 8260B
Matrix: Solid	Analyzed: 08/15/2014	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes	
QC1148786MB1						
1,1,1,2-Tetrachloroethane	ND	ug/Kg		5		
1,1,1-Trichloroethane	ND	ug/Kg		5		
1,1,2,2-Tetrachloroethane	ND	ug/Kg		5		
1,1,2-Trichloroethane	ND	ug/Kg		5		
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg		5		
1,1-Dichloroethane	ND	ug/Kg		5		
1,1-Dichloroethene	ND	ug/Kg		5		
1,1-Dichloropropene	ND	ug/Kg		5		
1,2,3-Trichlorobenzene	ND	ug/Kg		5		
1,2,3-Trichloropropane	ND	ug/Kg		5		
1,2,4-Trichlorobenzene	ND	ug/Kg		5		
1,2,4-Trimethylbenzene	ND	ug/Kg		5		
1,2-Dibromo-3-chloropropane	ND	ug/Kg		5		
1,2-Dibromoethane	ND	ug/Kg		5		
1,2-Dichlorobenzene	ND	ug/Kg		5		
1,2-Dichloroethane	ND	ug/Kg		5		
1,2-Dichloropropane	ND	ug/Kg		5		
1,3,5-Trimethylbenzene	ND	ug/Kg		5		
1,3-Dichlorobenzene	ND	ug/Kg		5		
1,3-Dichloropropane	ND	ug/Kg		5		
1,4-Dichlorobenzene	ND	ug/Kg		5		
2,2-Dichloropropane	ND	ug/Kg		5		
2-Butanone (MEK)	ND	ug/Kg		100		
2-Chloroethyl Vinyl Ether	ND	ug/Kg		5		
2-Chlorotoluene	ND	ug/Kg		5		
4-Chlorotoluene	ND	ug/Kg		5		
4-Isopropyltoluene	ND	ug/Kg		5		
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg		5		
Acetone	ND	ug/Kg		100		
Allyl Chloride	ND	ug/Kg		5		
Benzene	ND	ug/Kg		5		
Bromobenzene	ND	ug/Kg		5		
Bromochloromethane	ND	ug/Kg		5		
Bromodichloromethane	ND	ug/Kg		5		
Bromoform	ND	ug/Kg		5		
Bromomethane	ND	ug/Kg		5		
Carbon Tetrachloride	ND	ug/Kg		5		
Chlorobenzene	ND	ug/Kg		5		
Chlorodibromomethane	ND	ug/Kg		5		
Chloroethane	ND	ug/Kg		5		
Chloroform	ND	ug/Kg		5		
Chloromethane	ND	ug/Kg		5		
cis-1,2-Dichloroethene	ND	ug/Kg		5		
cis-1,3-dichloropropene	ND	ug/Kg		5		
cis-1,4-dichloro-2-butene	ND	ug/Kg		5		
Dibromomethane	ND	ug/Kg		5		
Dichlorodifluoromethane	ND	ug/Kg		5		
Di-isopropyl ether (DIPE)	ND	ug/Kg		5		
Ethylbenzene	ND	ug/Kg		5		
Ethyl-tertbutylether (ETBE)	ND	ug/Kg		5		

QCBatchID: QC1148786	**Analyst:** nicollez	**Method:** EPA 8260B	
Matrix: Solid	**Analyzed:** 08/15/2014	**Instrument:** VOA-MS (group)	

Analyte	Blank Result	Units		RDL	Notes	
QC1148786MB1						
Hexachlorobutadiene	ND	ug/Kg		5		
Isopropylbenzene	ND	ug/Kg		5		
m and p-Xylene	ND	ug/Kg		5		
Methylene chloride	ND	ug/Kg		5		
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg		5		
Naphthalene	ND	ug/Kg		5		
N-butylbenzene	ND	ug/Kg		5		
N-propylbenzene	ND	ug/Kg		5		
o-Xylene	ND	ug/Kg		5		
Sec-butylbenzene	ND	ug/Kg		5		
Styrene	ND	ug/Kg		5		
t-Butyl alcohol (TBA)	ND	ug/Kg		10		
Tert-amylmethylether (TAME)	ND	ug/Kg		5		
Tert-butylbenzene	ND	ug/Kg		5		
Tetrachloroethene	ND	ug/Kg		5		
Toluene	ND	ug/Kg		5		
TPH Gasoline	ND	ug/Kg		100		
trans-1,2-dichloroethene	ND	ug/Kg		5		
trans-1,3-dichloropropene	ND	ug/Kg		5		
trans-1,4-dichloro-2-butene	ND	ug/Kg		5		
Trichloroethene	ND	ug/Kg		5		
Trichlorofluoromethane	ND	ug/Kg		5		
Vinyl Chloride	ND	ug/Kg		5		
Xylenes (Total)	ND	ug/Kg		5		

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1148786LCS1											
1,1-Dichloroethene	50		54		ug/Kg	108			59-172		
Benzene	50		51		ug/Kg	102			62-137		
Chlorobenzene	50		55		ug/Kg	110			60-133		
Methyl-t-butyl Ether (MTBE)	50		44		ug/Kg	88			62-137		
Toluene	50		54		ug/Kg	108			59-139		
Trichloroethene	50		57		ug/Kg	114			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1148786MS1, QC1148786MSD1												**Source: 344869-002**
1,1-Dichloroethene	ND	50	50	48	47	ug/Kg	96	94	2.1	59-172	22	
Benzene	ND	50	50	47	46	ug/Kg	94	92	2.2	62-137	24	
Chlorobenzene	ND	50	50	50	51	ug/Kg	100	102	2.0	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	41	42	ug/Kg	82	84	2.4	62-137	21	
Toluene	ND	50	50	47	47	ug/Kg	94	94	0.0	59-139	21	
Trichloroethene	ND	50	50	48	49	ug/Kg	96	98	2.1	66-142	21	

Data Qualifiers and Definitions

Qualifiers

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
B1	Analyte was present in an sample and associated method blank greater than MDL but less than DRL. Associated sample data was reported with qualifier.
BQ1	No valid test replicates. Result may be greater. Best result was reported with qualifier. Sample toxicity possible.
BQ2	No valid test replicates.
BQ3	Minimum DO is less than 1.0 mg/L. Result may be greater and reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
Q1	Analyte Calibration Verification exceeds criteria and the result was reported with qualifier.
Q2	Analyte calibration was not verified and the result was estimated and reported with qualifier.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated and reported with qualifier.
Q4	Analyte result out of calibration range and was reported with qualifier
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
TIC	Tentatively Identified Compounds

Definitions

DF	Dilution Factor
MDL	Method Detection Limit
ND	Analyte was not detected or was less than the detection limit.
RDL	Reporting Detection Limit

MONTROSE

Associated Laboratories
Environmental Analytical Services

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: DENNIS D. ROCK Project: _____

Date Received: 8/14/14 Sampler's Signature Present: (Yes) No

Sample temperature: _____

Sample(s) received in cooler: (Yes) No (Skip Section 2)

Shipping Information: _____

Section 2

Was the cooler packed with: ✓ Ice ____ Ice Packs ___ Bubble Wrap ___ Styrofoam ____ Paper ____None ___ Other_____

Cooler Temperature: 6°C *(Acceptance range is 0 to 6 Deg. C. or arrival on ice; For Microbiology sample ≤ 10 Deg. C or arrival on ice)*

Section 3	YES	NO	N/A
Was a COC received?	✓		
Were IDs present?	✓		
Were sampling dates & times present?	✓		
Was a signature present?	✓		
Were tests clearly indicated?	✓		
Were custody seals present?		✓	
If Yes – were they intact?			✓
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? * **If the answer is no, please inform Fish Bioassay Dept. immediately.*			✓

Section 4

Explanations/Comments

Section 5

Was Project Manager notified of discrepancies: Y / N N/A

Project Manager's response: _____

Completed By: _____ Date: 8/14/14

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive • Rancho Cucamonga, California 91730 • (909) 477-2770

NOTICE TO CORRECT / INSPECTION REPORT

20351

Business Name: _____ Contact: _____ Inspection Date: _____

Business Address: _____ Phone: _____

Owner/Property Management: _____ Phone: _____

Address: _____ City: _____ State: _____ Zip: _____

No.	✓	REQUIRED CORRECTIONS
		ACCESS
1		Maintain fire lane free of obstructions.
2		Provide fire lane identification.
3		Provide approved address numbers/building identification.
4		Provide approved key box/lock/switch and/or keys for fire department access.
		EXITING
5		Remove obstructions at exits, doors, aisles, corridors, stairways, etc.
6		Exit door to open without a key or any special knowledge/effort.
7		Provide sign over main exit door - "This door to remain unlocked during business hours".
8		Repair non-operable exit door hardware.
9		Remove obstructions from door required to be closed.
10		Remove locks/latches from doors with panic hardware.
11		Remove storage from unprotected stairway.
12		Provide/maintain exit sign/emergency lighting.
		FIRE EXTINGUISHERS
13		Have fire extinguisher(s) serviced and tagged.
14		Provide/install fire extinguisher(s) as indicated.
15		Provide clear access to fire extinguisher(s).
16		Provide an approved means of indicating fire extinguisher location.
		FIRE PROTECTION EQUIPMENT
17		Maintain, repair, paint, inspect, and/or test sprinkler/standpipe system/hydrant/FDC/PIV.
18		Maintain 3 ft. minimum clearance for access/use of fire appliances/equipment.
19		Secure all system control valves in the open position.
20		Replace damaged/painted/missing sprinkler heads/FDC caps.
21		Provide 5 year certification test for sprinkler/standpipe system.
22		Provide sprinkler coverage in unprotected areas.
23		Provide spare sprinkler heads (min. 6) and/or compatible wrench.
24		Hood and duct extinguishing system to be serviced and tagged.
25		Remove grease from hood, duct, and filters. (KEEP CLEAN)
		FIRE ALARM SYSTEMS
26		Maintain, repair, inspect, and/or test fire alarm system.
27		Provide/maintain operable smoke detectors in each dwelling unit.
		FIRE SEPARATIONS
28		Repair damage to required fire resistive construction.
29		Provide/repair self or automatic closing fire rated assemblies.
30		Keep attic access and scuttle openings closed.
		ELECTRICAL
31		Discontinue use of extension cords.
32		Install permanent wiring for fixed and stationary appliances.
33		Provide cover plates for all junction boxes. Provide blanks for electrical panel.
34		Remove exposed wiring or protect in approved conduit.
35		Provide a 30x36 inch clear space to and in front of electrical panel.
36		Maintain wiring in good condition and protect from damage.
		FLAMMABLE LIQUIDS • COMPRESSED GASES
37		Provide a flammable liquid storage cabinet or reduce storage to 10 gallons or less.
38		Remove all flammable liquids not used for maintenance purposes.
39		Store flammable liquids away from exits, stairs, or corridors.
40		Clean up spilled flammable liquid.
41		Replace lids on all flammable liquid storage containers not in immediate use.
42		Remove all fueled vehicles from dwelling units.
43		Secure compressed gas cylinders. Identify product name.
		STORAGE • HOUSEKEEPING
44		Arrange storage in an orderly manner to provide access/egress.
45		Remove combustible storage from boiler, mechanical, and electrical room.
46		Reduce storage to 24 inches below ceiling or 18 inches below sprinkler heads.
47		Provide metal or approved non-combustible trash container with lid.
48		Remove lint/debris from behind washers and dryers.
49		Remove waste/rubbish materials from the premises.
50		Keep dumpsters 5 feet away from combustible walls, eaves, or openings.
51		Provide required clearance from combustible materials and/or vegetation.
		MISCELLANEOUS
52		Other violations and comments.

NO VIOLATIONS NOTED - Thank you for helping to keep our community safe!

NO.	LOCATION / REMARKS

Rancho Cucamonga Fire Protection District
Fire Safety Division
Fire Prevention Bureau

Building Address 12251 Arrow Rte

Incident No. 12750

Tank Removal
- Waste manifest not yet taken to test
  as tank called Chaffey to manifest waste
  and the manifest was faxed
- Bodies were tested
  not cleared but will be out
  of the ground by private cert
- No signs

- Called [redacted] with destruction of tank
  Report tank yard to dump
  Paperwork to follow

By Order of the Fire Chief
Authority RC Ordinance 39

Inspected by:

Name Title Date

And

Name Title Date

SIGNATURE: Owner/Representative

Date

FSD 11B

OCCUPANT

WEIGHT RECEIPT

- WARNING -
This Document is Heat-Sensitive!

County of San Bernardino
SOLID WASTE MANAGEMENT DIVISION
222 W Hospitality Lane/2nd Floor
San Bernardino, CA. 92415-0017

Trans #: **210134241**
Date: **08/14/14**
Loc: **21 /Mid-Valley #1**

Time IN: 11:25
Time OUT: 11:44
Operator: JWM/ JS

Customer: DUNCAN WARREN CONTRACTING
Account: **000503**
Decal: **044540**
Vehicle ID: TRL 1UK4506
Container:
Job ID:
Parcel:

Trans Type: 200 - Commercial
Pay Type: 1 - Charge
Destin: 100 - Mid-Valley LF
Disaster: Not Found

(1)Orig: 206 - Rancho Cucamonga- 100%
(1)Mat: 310 - Construct - 100%

(2)Orig: - %
(2)Mat: - %

SPECIAL HANDLING

(3)Orig: - %
(3)Mat: TIME: 1125 - %

OPERATOR: JWM

(4)Orig: - %
(4)Mat: INSTRUCTIONS: - %

LANDFILL IMMEDIATELY

	Lbs	Tons	Scale
Gross:	43660	21.83	1
Tare:	37960	18.98	1
NET:	**5700**	**2.85**	

Tipping Fee: 194.66 @ $47.20/tn
Special Fee: 151.43SH-1
Fuel Surchg: 1.97 @ $0.69/TN

TOTAL FEE: $288.081 - SH-Special Hand

Tendered: 0.00
Change: 0.00
Acct Bal: 0.00

Cust Name: JUSTIN DUNCAN
CC#:
CCName:
Auth:

Sign:

12000 Gal. Underground Fiber Tank

Reduce, Reuse, Recycle...

ATTENTION CHARGE CUSTOMERS:

THIS IS NOT AN INVOICE

8/14/14 FA 3266



2 soil samples from UST Pit







Dispenser Soil Sample

CUPA
San Bernardi County Fire Department • Hazardous Mat ls Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

UNDERGROUND STORAGE TANK REMOVAL INSPECTION FORM

FACILITY NAME: CMC Reber
DATE: 8/14/14
ADDRESS: 12451 Arrow Rt
FACILITY ID#: 3266
CITY: Rancho Cucamonga ZIP CODE: 91739
LOG#: 070914-01
CONTRACTOR: Dennis Buck
SR#: 44252
FACILITY REP: TITLE NUMBER OF TANKS 1

INVOLVED PARTIES
HAZMAT: Thomas Cozdon - SBCFD
LOCAL FIRE: Jessica Estrella > Fire Prevention Specialist I
OTHERs: Timothy Folsom - Maintenance Supervisor
Patrick John - Regional Environmental Manager
Lorraine Corrales - Rancho Cucamonga Fire Protection Dist.

	QUANTITY	HAULER	MANIFEST #	DESTINATION
TRIPLE RINSATE:	950	Action Waste Oil Services	012409714	Industrial Services Oil Co. Inc
TANKS	1	Warren Dusen Contractor	Destroyed onsite Debris Dispo to Mid Valley	

LEL READINGS 0 %
OXYGEN READINGS 20.9
DRY ICE USED 350 #
(25 # / 1000 g)

NOTES:
Onsite for UST Removal

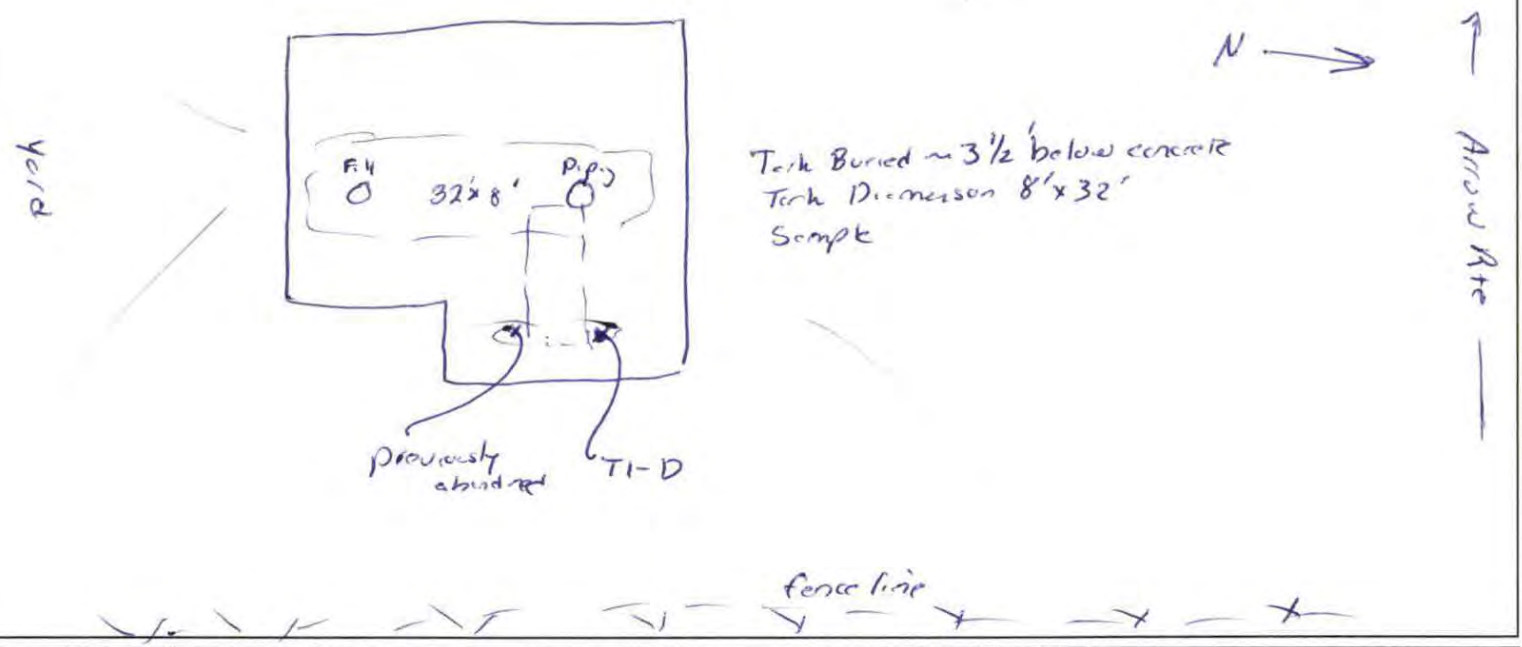
CMC Commercial Metals
PATRICK JOHN
Regional Environmental Manager
West Region
pat.john@cmc.com
Phone 480.396.7120
COMMERCIAL METALS COMPANY
11444 E. Germann Rd.
Mesa, AZ 85212
Fax 480.888.8245 Mobile 480.280.7982
www.cmc.com

3½' + 8' + 3½' dimensions

Piping - Double Walled Fiberglass NOV Smith. Southern most primary line abandoned w/ slurry
UDCs - 2 originally. Only Northern most UDC & Dispenser used recently.
UDC was metal shallow Brea 2000 8" depth # 056720

TANK #	CAPACITY	CONTENTS	DESCRIPTION
1	12,000	DWF - Owens Corning	White - Not Ribbed ALC 15769A 6000 lbs 8' x 32' diameter. Tank appeared to be sound.

FACILITY MAP:



SAMPLE ID	TIME	DESCRIPTION/LOCATION	DEPTH (bgs)	EPA TEST #'S
T1-S	8/14/14 942	AM · Tank Fill 3½ below Tank	16' bgs	8015M diesel +
T1-N	953	Tank Piping	16' bgs	8260B
T1-D dispenser	959	Dispenser 4½ below UDC	6' bgs	

SAMPLES TAKEN BY David Kendall, Kendall Adams Group LABORATORY Associated Laboratories, Orege

CONTAINER TYPE Stainless Steel SAMPLES LABELED (Y/N) Y CHILLED (Y/N) Y

CHAIN OF CUSTODY (Y/N) Y OTHER INFO

REQUIRED EPA TESTS:

Gasoline: 8015M gas
and; 8260B or 8021B for BTEX & MTBE

Diesel: 8015M diesel + 8260B

Waste Oil: 418.1 TRPH or 8015M fuel screen; and
VOCs by 8260B; and Metals by CAM 17 or RCRA 8

Revised 11/19/13

Tanks: One from the fill end and one from the turbine end.
Dispenser: One below each UDC at product piping.
Piping: Every 20 feet and at major connections

Samples should be taken from at least 2' below native soil.
Additional samples at inspector's discretion.

MARINE CHEMIST CERTIFICATE

Serial # 1170

HARBOR TESTING LABORATORY INC.
24 HOUR PHONE: (562) 492-9646

DENNIS D. ROCK CONST.	CMC REBAR-ETIWANDA	13 AUGUST 2014
Survey Requested By	Vessel Owner or Agent	12451 ARROW ROUTE Date
TANK NO. 1170 (11232)	DOUBLE-WALL FIBERGLASS UNDERGROUND	RANCHO CUCAMONGA CA
Vessel	Type of Vessel	Specific Location of Vessel
DIESEL	O_2; LEL; VISUAL; TOXICITY	1148
Last Cargo	Tests Performed	Time Survey Completed

TANK NO. 1170 (11232) — 20.8% O_2; 0% LEL; <0.2 ppm H_2S;
<10 ppm HYDROCARBON VAPOR (AS ISOBUTYLENE)
NOT SAFE FOR WORKERS
NOT SAFE FOR HOT-WORK
TANK HAS BEEN ISOLATED, OPENED, WASHED,
VENTILATED, MARKED WITH ORANGE SPRAY-PAINT
AND IS
SAFE TO COLD CUT

G&G INST. MOD. G-460, S.N. 12091358 CALIBRATED 13 AUG '14

In the event of any physical or atmospheric changes affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, this certificate is voided, or if there is any question about the conditions, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast, cargo, fuel, or manipulation of valves or closure equipment tending to alter conditions in pipelines, tanks, or compartments subject to gas accumulation, unless specifically approved on this Certificate, requires inspection and a new Certificate for spaces so affected. All lines, vents, heating coils, valves, and similar enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. Movement of the vessel from its specific location voids the Certificate unless shifting of the vessel with the facility has been specifically authorized on this Certificate.

STANDARD SAFETY DESIGNATIONS: (partial list, paraphrased from NFPA 306, Subsections 4.3.1 through 4.3.6).

ATMOSPHERE SAFE FOR WORKERS: In the compartment or space so designated (a) the oxygen content of the atmosphere is at least 19.5 percent and not greater than 22 percent by volume; (b) the concentration of flammable materials is below 10 percent of the lower explosive limit; (c) any toxic materials in the atmosphere associated with cargo, fuel, tank coatings, inerting mediums, or fumigants are within permissible concentrations at the time of the inspection.

NOT SAFE FOR WORKERS: In the compartment or space so designated, entry is not permitted.

ENTER WITH RESTRICTIONS: In the compartment or space so designated, entry for work is permitted only if conditions of proper protective equipment, or clothing, or time, or all of the aforementioned, as appropriate, are as specified.

SAFE FOR HOT WORK: In the compartment or space so designated (a) the oxygen content of the atmosphere is not greater than 22 percent by volume; (b) the concentration of flammable materials in the atmosphere is less than 10 percent of the lower explosive limit; (c) the residues, scale, or preservative coatings are cleaned sufficiently to prevent the spread of fire and are not capable of producing a higher concentration than permitted by (a) or (b); (d) all adjacent spaces, containing or having contained flammable or combustible materials shall be sufficiently cleaned of residues, scale, or preservative coatings to prevent the spread of fire, or they are inerted. Ship's fuel tanks, lube tanks, or engine room or fire room bilges, or other machinery spaces, are treated in accordance with the Marine Chemist's requirements.

SAFE FOR LIMITED HOT WORK: In the compartment or space so designated (a) portions of the space meet the requirements for Safe for Hot Work and Partial Cleaning, as applicable, or (b) the space is inerted, adjacent spaces meet the requirements for Safe for Hot Work, and hot work is restricted to specific locations; (c) portions of the space shall meet the requirements for Safe for Hot Work, as applicable, and the nature or type of hot work is limited or restricted.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

CHEMISTS ENDORSEMENT: This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under NFPA 306 and understands conditions and limitations under which it was issued, and the requirements for maintaining its validity.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed	Dennis D Rock	D.D. ROCK CONST.	13 AUG '14	Signed		#675	
	Name	Company	Date		Marine Chemist		Certificate No.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	1		012409714 JJK

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	1	TT	950	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month — Day — Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 3-05). Previous editions are obsolete.

GENERATOR'S INITIAL COPY

San Bernardino County Fire Dept.

July 8, 2014

Hazardous Materials Division

620 South E. Street

San Bernardino, CA 92415

Attn; Theresa Congdon

Dear Theresa,

Please accept this as the work plan for the removal of the underground fuel tank located at CMC Rebar-Etiwanda, 12451 Arrow Route, Rancho Cucamonga, CA 91739.

Dennis D. Rock Construction, a division of, and 1st Alert a dba of, Lensaro Inc., a California Corporation, will provide all equipment, labor, and material to accomplish the following scope of work.

SCOPE OF WORK Removal of one twelve thousand (12,000) gallon underground tank, associated piping, fuel pump dispenser, fuel island, and UST monitor system including:

- Notification of all agencies as may be required, i.e. SCAQMD, County, City, Fire Dept., Dept. of Public Works, Waste Management, Underground/aboveground Tank Unit, the local CUPA, Dig Alert, etc.
- Disconnect all power, and empty, flush and rinse all product piping lines back to tank. Disconnect and cap all lines and pump openings. Strip fuel island of all hardware. Removal and disposal of required concrete slab. Perform all required excavation to expose piping and tank. Backfill removed from under location of former dispenser and on top of the existing tanks will be stockpiled separately for sampling.
- Removal of associated piping, as may be required, to fuel island including removal of island.
- Tank will be triple rinsed, cleaned and vacuumed clean and dry with a vacuum truck and certified clean by a Marine Chemist as non hazardous material. 300 pounds of dry ice will then be added to the tank with the permission of the inspector. Rinsate to be disposed of under Uniform Hazardous Materials Manifest.
- Tank will be removed from the excavation by crane or, with the permission of the inspector broken up in the excavation, and including piping, placed on a truck for export as non hazardous material to a certified disposal facility.
- Securing of required soil samples under tank invert and product line and from stockpiled backfill at the direction of an Agency Inspector. All sampling performed per Title 23, Chapter 3, Subchapter 16, Section 2649 and/or EPA method 5035.
- Submit samples to a California Certified Laboratory and have analyzed using DHS protocol 8015M/gas and Diesel, and 8260/MTBE/Oxygenates.
- Decommissioning and removal of electronic monitoring system.
- Backfill with stockpiled excavated material, if appropriate, and imported granular material and compact same to approximately 90%. Backfill material graded to match existing subgrade.

923 CHIPPEWA, ANAHEIM, CA 92801 • 714-776-1581 • FAX 956-7827 • CSLB 474674 A, B-1, HAZ
A LENSARO INC. COMPANY

- Disposal of non hazardous debris and site cleanup. Resurface excavated area to match existing.
- Final documentation prepared and submitted to the San Bernardino County Fire Hazardous Materials Division.

Thank you for the opportunity to prepare this work plan for you and I am looking forward to working with you. If questions should arise concerning this bid please call.

Sincerely,

Dennis D. Rock

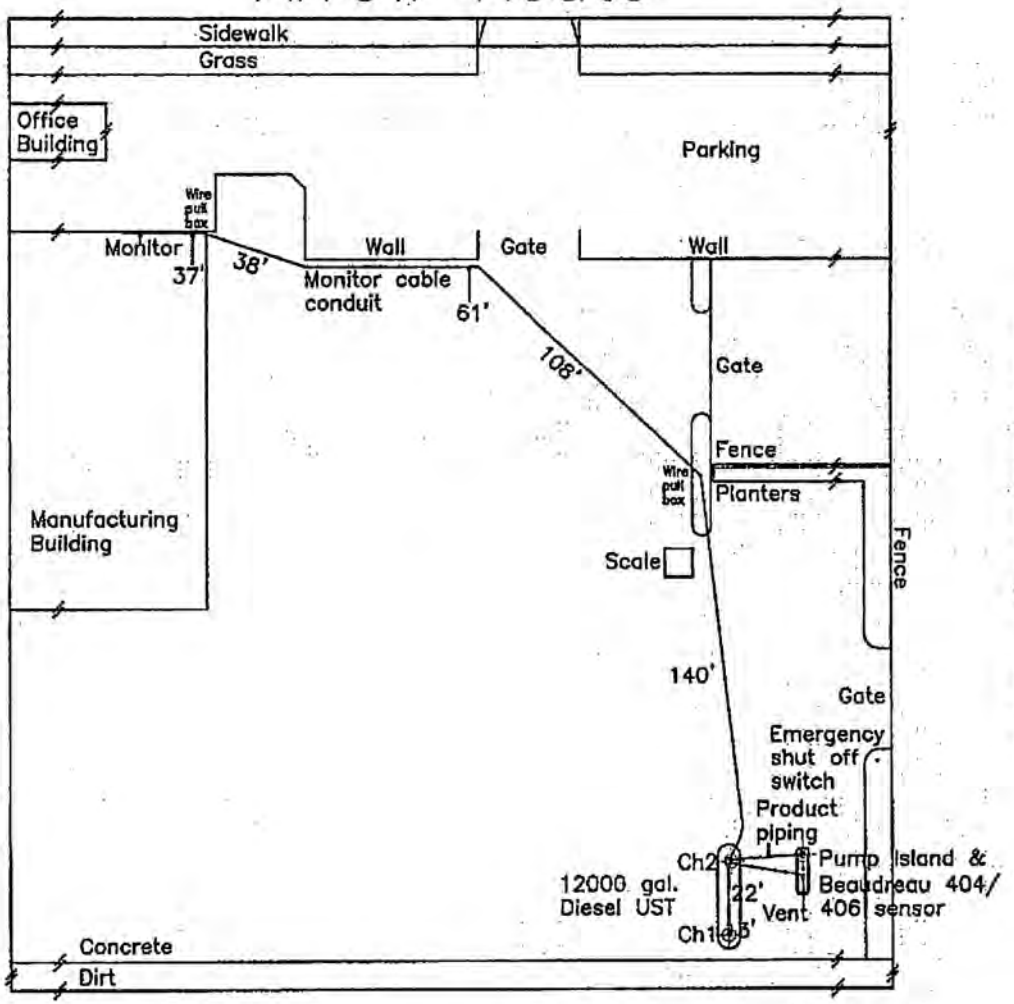
Dennis D. Rock

ENVIRONMENTAL ENGINEERING CONSTRUCTION
REMEDIATION PRECISION DEMOLITION

923 CHIPPEWA, ANAHEIM, CA 92801 • 714-776-1581 • FAX 956-7827 • CSLB 474674 A, B-1, HAZ
A LENSARO INC. COMPANY

Arrow Route

Legend
Ch# = Sensor
⌖ = Sensor location



Dennis D. Rock Construction
923 Chippewa
Anaheim, CA 92801
714-776-1581
CSLB 474674 A,B,Haz 6-30-11

CMC Fontana Steel
12451 Arrow Route
Rancho Cucamonga, CA
91739

Date: 07-07-10

Scale: 0' 30' 60'

Drawing # 1

OP ID: DV

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 12/31/13

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Wasserman & Associates Insurance Brokers, Inc. PO Box 19970 Sacramento, CA 95819-3915 Rick Wasserman 916-739-0254 916-733-0622	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: ROCKD-1
INSURED Lensaro Inc. DBA: 1st Alert Dennis D. Rock Construction 923 Chippewa Anaheim, CA 92801	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : State Compensation Ins. Fund INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	CLAIMS-MADE OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$
								$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS						BODILY INJURY (Per accident)	$
	SCHEDULED AUTOS						PROPERTY DAMAGE (Per accident)	$
	HIRED AUTOS							$
	NON-OWNED AUTOS							$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DEDUCTIBLE							$
	RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		1864904-14	01/01/14	01/01/15	X WC STATU-TORY LIMITS OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

PROOF06

Proof Of Insurance Coverage

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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State Of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

Consumer Affairs

License Number **474674** Entity INDIV

Business Name DENNIS D ROCK CONSTRUCTION

Classifications B A HAZ

Expiration Date 06/30/2015 www.cslb.ca.gov

State Of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

Consumer Affairs

License Number **578191** Entity CORP

Business Name LENSARO INC DBA 1ST ALERT

Classifications B A HAZ

Expiration Date 09/30/2015 www.cslb.ca.gov

Congratulations! You have demonstrated a commitment to the code enforcement profession by successfully achieving ICC certification. Your certification information will be posted on the Certification Website as an Active Certification. www.iccsafe.org

CERTIFICATION RENEWAL - Certification is valid for a three year period. For Renewal Information see the Bulletin at www.iccsafe.org

AST/UST Certification Renewal - Certification is valid for a two year period. For Renewal Information see the Bulletin at www.iccsafe.org

NAFED Certification Renewal - NAFED must receive your application for recertification and documentation at least 60 days prior to the expiration date of the current certification. www.nafed.org/certification/

Renewal of certifications is the responsibility of the certified individual. Please make sure you keep track of your renewal date(s), and advise ICC of any CHANGE OF ADDRESS. www.iccsafe.org

If you have achieved a NAFED certification you must notify **NAFED** of any change of address. www.nafed.org

Best wishes for continued success in your career, and thank you for your interest in the Certification Programs of the International Code Council.

DANA ROCK - 8182624
UST Installation/Retrofitting - Exp. 07/12/2015
California UST Service Technician - Exp. 07/12/2015

DANA ROCK - 8182624
California UST System Operator - Exp. 11/14/2014

Remove card at perforation and FOLD in center before placing in wallet

DENNIS D ROCK - 5297878
UST Installation/Retrofitting - Exp. 07/11/2015
California UST Service Technician - Exp. 07/11/2015

DENNIS D ROCK - 5297878
California UST System Operator - Exp. 11/14/2014

Congdon, Theresa

From: Congdon, Theresa
Sent: Thursday, July 03, 2014 2:33 PM
To: 'Folsom, Timothy T'; May, Jose
Cc: Raines, Adam K
Subject: RE: REQUEST FOR EXTENSION SR#0044233

Thank for the notification.
Contact this office to apply for UST system removal apply for permit by July 17, 2014 and remove UST by August 17, 2014.

Theresa Congdon
San Bernardino County Fire Department
Hazardous Materials Division
620 South E. Street
San Bernardino, CA 92415-0153
Phone 909 386-8464
tcongdon@sbcfire.org

From: Folsom, Timothy T [mailto:Timothy.Folsom@cmc.com]
Sent: Thursday, July 03, 2014 7:40 AM
To: Congdon, Theresa; May, Jose
Cc: Raines, Adam K
Subject: RE: REQUEST FOR EXTENSION SR#0044233

Theresa Congdon,

We have decided to remove the UST at this location and Dennis D Rock Construction will be submitting for the permit to do this in the required time frame. No work was performed on the permit to replace the dispenser on site so if you can cancel it at my request, please do so. I have informed Western Pump and instructed them to cancel as well.

Thank you,

Tim Folsom
CMC Rebar Maintenance
12451 Arrow Route
Etiwanda Ca. 91739
909 803 1518

From: Congdon, Theresa [mailto:TCongdon@sbcfire.org]
Sent: Monday, June 30, 2014 10:21 AM
To: Congdon, Theresa; Dejan Ristic; May, Jose
Cc: Folsom, Timothy T; Kent Allen; Lindsey Whicker; Mark Bridgwater; Michael Mizicko; Ryan Rethmeier; Gene Frederick; Norma Soto
Subject: RE: REQUEST FOR EXTENSION SR#0044233

Mr. Folsom -

I understand that you believe that the UDC will fail the SB989 test
By conducting, the SB989 test the contractor can identify if the failure at the electrical penetration or product penetration and propose corrective action which may range from new split penetration boot to tightening/repairs under the dispenser requiring breaking of concrete.

The only repair allowed without permit is tightening of clamps, this is not applicable to the situation at this facility.
No sealant may be applied and no new components without plans and a permit.
COMPLIANCE REQUIREMENT:

1) Conduct SB989 and precision line test prior to July 10, 2014
2) Provide addendum with fee for any repairs and obtain permit prior to July 17, 2014 OR if no repairs are needed, schedule monitoring certification by July 17, 2014.

Optionally, if the facility wishes to apply for UST system removal apply for permit by July 17, 2014 and remove UST by August 17, 2014.

From: Congdon, Theresa
Sent: Monday, June 30, 2014 9:39 AM
To: Congdon, Theresa; 'Dejan Ristic'; May, Jose
Cc: 'Timothy.Folsom@cmc.com'; 'Kent Allen'; 'Lindsey Whicker'; 'Mark Bridgwater'; 'Michael Mizicko'; 'Ryan Rethmeier'; 'Gene Frederick'; 'Norma Soto'
Subject: RE: REQUEST FOR EXTENSION SR#0044233

From: Congdon, Theresa
Sent: Friday, June 27, 2014 4:31 PM
To: Dejan Ristic; May, Jose
Cc: Timothy.Folsom@cmc.com; Kent Allen; Lindsey Whicker; Mark Bridgwater; Michael Mizicko; Ryan Rethmeier; Gene Frederick; Norma Soto
Subject: RE: REQUEST FOR EXTENSION SR#0044233

Good Afternoon ,

The Plan Condition Letter dated June 10, 2014 required completion of all testing and scheduling of final inspection within 30 days, by July 10, 2014.
We concur that the final inspection should be conducted with the annual monitoring certification.
The monitoring certification is due annually on or before July 9th (7/9/12 and 7/9/13, historically)
Therefore, the site will be subject to enforcement action after July 10, 2014.

In order to address this concern:

1) Identify the date when the proposed the required SB989 and precision line test will occur and provide written notification to our department.

Both tests should be able to be conducted on the same day prior to July 10, 2014.

2) By July 17, 2014 provide written documentation of test results and modification to plans (if required). If additional plans are required to be reviewed than additional time will be granted to allow for expanded scope of work. Be aware that additional review time and inspections are subject to additional fees. Hopefully, the SB989 test and precision line test will document that no additional work is required.
3) If no additional work is required than call to schedule the final inspection by July 17, 2014 and the first available inspection date will met the requirement for the time line.

Please feel free to email myself or inspector May if I can provide further clarification.

Respectfully,

Theresa Congdon
San Bernardino County Fire Department
Hazardous Materials Division
620 South E. Street
San Bernardino, CA 92415-0153
Phone 909 386-8464
tcongdon@sbcfire.org

From: Dejan Ristic [mailto:dejanr@westernpump.com]
Sent: Thursday, June 26, 2014 2:51 PM
To: Congdon, Theresa; May, Jose
Cc: Timothy.Folsom@cmc.com; Kent Allen; Lindsey Whicker; Mark Bridgwater; Michael Mizicko; Ryan Rethmeier; Gene Frederick; Norma Soto
Subject: REQUEST FOR EXTENSION SR#0044233
Importance: High

Dear Sir and Madam –

In reference to the above permit we kindly ask for an extension of (60) days to complete the work and schedule an inspection in accordance with the permit requirements. Namely, we are currently working with the customer on scheduling the testing in accordance with the conditions of the permit and will know the extent of work which will be needed in order to comply only after the test results are available which will not be until the week of June 30th or July 7th. We may have to make additional repairs which will involve part procurement and consultations with your department. This is all prior to the installation of the refurbished dispensing unit which customer plans to install instead of the damaged dispenser. We also wish to fully comply with your directive that any requests for inspection be made at least (10) business days in advance.

At the same time, customer respectfully requests that their annual monitoring certification be conducted at the same time with the permit closeout inspection as requested by Inspector Jose May.

Please grant the extension and confirm as above and let us know accordingly as soon as possible.

Thank you very much.

Best regards,

Dejan Ristic
WESTERN PUMP
3235 F Street, San Diego, CA 92102
Office (619) 578-2193 | Mobile (619) 446-9043 | Fax (619) 239-9925, 236-7406

This email and its attachments, if any, are intended for the personal use of the named recipient(s) and may contain confidential, privileged, or proprietary information. If you are not a named recipient, or an agent responsible for delivering it to a named recipient, you have received this email in error. In that event, please (a) immediately notify me by reply email, (b) do not review, copy, save, forward, or print this email or any of its attachments, and (c) immediately delete and/or destroy this email and its attachments and all electronic and physical copies thereof. Thank you.

FA 3266

Congdon, Theresa

From: Congdon, Theresa
Sent: Monday, June 30, 2014 10:23 AM
To: May, Jose
Subject: FW: REQUEST FOR EXTENSION SR#0044233

Heads Up
Mr. Folsom wanted to know if he could just empty the tank for 2 years before removing.
I stated that our policy is to require all repairs be complete prior to authorizing a Temporary Closure Permit.
Theresa

From: Congdon, Theresa
Sent: Monday, June 30, 2014 10:21 AM
To: Congdon, Theresa; 'Dejan Ristic'; May, Jose
Cc: 'Timothy.Folsom@cmc.com'; 'Kent Allen'; 'Lindsey Whicker'; 'Mark Bridgwater'; 'Michael Mizicko'; 'Ryan Rethmeier'; 'Gene Frederick'; 'Norma Soto'
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Please feel free to email myself or inspector May if I can provide further clarification.

Respectfully,

Theresa Congdon
San Bernardino County Fire Department
Hazardous Materials Division
620 South E. Street
San Bernardino, CA 92415-0153
Phone 909 386-8464
tcongdon@sbcfire.org

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Sent: Thursday, June 26, 2014 2:51 PM
To: Congdon, Theresa; May, Jose
Cc: Timothy.Folsom@cmc.com; Kent Allen; Lindsey Whicker; Mark Bridgwater; Michael Mizicko; Ryan Rethmeier; Gene Frederick; Norma Soto
Subject: REQUEST FOR EXTENSION SR#0044233
Importance: High

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At the same time, customer respectfully requests that their annual monitoring certification be conducted at the same time with the permit closeout inspection as requested by Inspector Jose May.

Please grant the extension and confirm as above and let us know accordingly as soon as possible.

Thank you very much.

Best regards,

Dejan Ristic
WESTERN PUMP
3235 F Street, San Diego, CA 92102
Office (619) 578-2193 | Mobile (619) 446-9043 | Fax (619) 239-9925, 236-7406

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Office (619) 578-2193 | Mobile (619) 446-9043 | Fax (619) 239-9925, 236-7406

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION FAH 3266
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

LOG # C709H-S1 JOB CARD Nº 11232

INSTALL SK 08/18/92 REMOVE

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name CMC Rebar - Etiwanda
Address 12451 Arrow Rte, Rancho Cucamonga
Contractor Dennis K Sale
Address/Phone

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X 1 - 12,000 gallon diesel UST		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements 3 soil samples 8260 & 8015M diesel		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks: Witnessed UST Removal & Soil Sampling 8/14/14 J. Tyler

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 13 days

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 9-30-14

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: White — County Fire Department
Green — Contractor/Owner

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ 870.00 First Tank

$ _____ Each Additional Tank SR0044292 Number of Tanks this Application 1

JOB LOCATION

Facility Name	Contact Person	Phone No.
CMC REBAR	Tim Folsom	909 803 1518

Situs Address	City	Zip Code
12451 ARROW ROUTE	RANCHO CUCAMONGA	91739

Water/Sewer Agency _____ Fire _____

PROPERTY OWNER

Name	Phone No.
CMC STEEL	909 803 1518

Mailing Address	City	Zip Code
12451 ARROW ROUTE		91739

Owner's Representative _____ Phone No. _____

TANK CONTENTS

DIESEL

LENSARO INC. dba 1ST ALERT

CONTRACTOR

Company Name	Contact Person	Phone No.
DENNIS D. ROCK CONSTRUCTION	DENNIS D. ROCK	714 776 1581

Mailing Address	City	Zip Code
923 CHIPPEWA	ANAHEIM	92801

Workman's Comp Insurance Carrier	Policy No.	
STATE FUND	1864904-14	

State Contractor's License No.	Types of Licenses	Expiration Date
578191 & 474674	A, B, HAZ	9/30/2015 & 6/30/15

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Print Name Clearly	Phone
DENNIS D. ROCK	714 776 1581

Signature	Date
Dennis D. Rock	7/9/14

OFFICE USE ONLY

Under Permit ☐ No ☒ Yes — Facility I.D. Number FA# 32606

Number of Tanks 1

Fees Current ☐ No ☒ Yes — Delinquent Amount _____ Expiration Date 10-31-2014

Permit Fee Paid THIS Application 870.00 / Receipt Number 82033

Check Number 3879

Date Paid 7-9-14

Taken by DB

Log Number 072914-01 Job Card Number 1132

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

PA-H 3266

LOG # 051214-01 JOB CARD Nº 11182

INSTALL SR0044233 REMOVE

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name CMC Rebar - ETiwanda
Address 12451 Arrow Rte, Rancho Cucamonga
Contractor Western Pump
Address/Phone

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

Cancelled
UST to be removed

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 15 DAYS

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 7-9-2014

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

DISTRIBUTION: *White — County Fire Department*
Green — Contractor/Owner

14-16867-670 Rev. 2/03

BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION — FIELD SERVICES/ENVIRONMENTAL PROTECTION
620 South E Street, San Bernardino, CA 92415-0153

UNDERGROUND TANK CONSTRUCTION/ MODIFICATION APPLICATION

$ 747.00 First Tank

$ _____ Each Additional Tank

SK 0044233

TANK INSTALLATION ☐
PIPING ONLY ☐
MODIFICATION ☒

JOB LOCATION

CMC REBAR MAINTENANCE TIM FOLSOM — 909.803.1518
Facility Name and Contact Person — Phone No.

12451 ARROW ROUTE — ETIWANDA — 91739
Situs Address — City — Zip Code

N/A — N/A
Fire — Water/Sewer Agency

PROPERTY OWNER

CMC REBAR MAINTENANCE — 909.803.1518
Name — Phone No.

12451 ARROW ROUTE — ETIWANDA — 91739
Mailing Address — City — Zip Code

TIM FOLSOM — 909.803.1518
Owner's Representative — Phone No.

TANK OWNER

CMC REBAR MAINTENANCE — 909.803.1518
Name — Phone No.

12451 ARROW ROUTE — ETIWANDA — 91739
Mailing Address — City — Zip Code

TANK DATA

Construction	Size	Contents	U.L. Number
EXISTING	12,000 GAL.	DIESEL	

CONTRACTOR

WESTER PUMP INC — MAURICE WADE — 619.309.8253
Company Name — Contact Person — Phone No.

3235 F STREET — SAN DIEGO — 92102
Mailing Address — City — Zip Code

Cypress Insurance Co. — 3300066617-141
Workman's Comp Insurance Carrier — Policy No.

673853 — D40, HAZ, A, C10 — 7-31-2015
State Contractor's License No. — Types of Licenses — Expiration Date

MAURICE WADE — 619.309.8253
Print Name Clearly — Phone

Signature — 5/9/14
Date

OFFICE USE ONLY

New Facility ☐

Permitted Facility ☒ Yes ☐ No

FA 3266
Facility ID Number

Number of Tanks 1

Permits Current ☒ Yes ☐ No

10-31-2014
Expiration Date

747.00 — 81977
Permit Fee Paid — Receipt Number

74116
Check Number

5-12-14
Date Paid

JBlake
Taken by

05214-01 — 1182
Log Number — Job Card Number

03-19990-670 Rev. 4/02

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

FA# 32666

LOG # 05 2110-01 JOB CARD Nº 09980

INSTALL REMOVE

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name Circle Fantasy Store 1
Address 12451 Arrow Rte Fontana
Contractor Dennis D. Rocke Const.
Address/Phone Downey 714 774-1581

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks:

Finaled 6/30/10 bd G.D

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 2 YEARS

FOR INSPECTION CALL [redacted] IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 3-7-2011

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: *White — County Fire Department*
Green — Contractor/Owner

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION — FIELD SERVICES/ENVIRONMENTAL PROTECTION
620 South E Street, San Bernardino, CA 92415-0153

UNDERGROUND TANK CONSTRUCTION/ MODIFICATION APPLICATION

$ _____ First Tank

$ _____ Each Additional Tank

TANK INSTALLATION ☐
PIPING ONLY ☐
MODIFICATION ☐

JOB LOCATION

CMC STEEL Tim Folsom — 909 8031518
Facility Name and Contact Person — Phone No.

12451 Arrow Route — Rancho Cucamonga — 91739
Situs Address — City — Zip Code

Fire — Water/Sewer Agency

PROPERTY OWNER

CMC Fontana Steel — 909 803 1518
Name — Phone No.

PO Box 2219 — Rancho Cucamonga — 91739
Mailing Address — City — Zip Code

Tim Folsom — 9098031518
Owner's Representative — Phone No.

TANK OWNER

CMC Fontana Steel
Name — Phone No.

Same
Mailing Address — City — Zip Code

TANK DATA

Construction	Size	Contents	U.L. Number

CONTRACTOR

Dennis D. Rock Construction — Dennis D. Rock — 7147761581
Company Name — Contact Person — Phone No.

923 Chippewa — Anaheim — 92801
Mailing Address — City — Zip Code

Exempt
Workman's Comp Insurance Carrier — Policy No.

474674 — A, B, Haz — 6-30-11
State Contractor's License No. — Types of Licenses — Expiration Date

DENNIS D. Rock — 714 7761581
Print Name Clearly — Phone

Dennis D. Rock — 5/11/10
Signature — Date

OFFICE USE ONLY

New Facility ☐

Permitted Facility ☒ Yes ☐ No — FAH 3266 — Facility ID Number

Number of Tanks: 1

Permits Current ☒ Yes ☐ No — 7-31-2010 — Expiration Date

758.00 — Permit Fee Paid — 6621 / Receipt Number

3192 — Check Number

5-01-10 — Date Paid

Taken by

05211-01 — Log Number — 09980 — Job Card Number

POST THIS CARD AT JOI TE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET FAX 326-6
SAN BERNARDINO, CA 92415-0153

LOG # 071509-01 JOB CARD Nº 09693

INSTALL REMOV

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name CMC Fontana Steel
Address 12451 Arrow Rte, Rancho Cucamonga
Contractor Dennis D. Rock Construction
Address/Phone Dennis Rock | 714 776-1581

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X _____		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 20 days

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES _____

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: White — County Fire Departmen
Green — Contractor/Owner

POST THIS CARD AT JOI 'E

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

FA# 3266

LOG # 071509-01 **JOB CARD Nº** 09693

INSTALL REMOVE

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name CMC Fontana Steel
Address 12451 Arrow Rte, Rancho Cucamonga
Contractor Dennis D. Kuck Construction
Address/Phone Dennis Kuck 714 776-1581

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X _____		
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements		
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks:

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 20 days

FOR INSPECTION CALL 48 HOURS IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES _____

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: *White — County Fire Department*
Green — Contractor/Owner

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION — FIELD SERVICES/ENVIRONMENTAL PROTECTION
620 South E Street, San Bernardino, CA 92415-0153

UNDERGROUND TANK CONSTRUCTION/ MODIFICATION APPLICATION

$ _____ First Tank

$ _____ Each Additional Tank

TANK INSTALLATION ☐
PIPING ONLY ☐
MODIFICATION ☐

JOB LOCATION

CMC STEEL Tim Folsom — 909 803 1518
Facility Name and Contact Person — Phone No.

12451 ARROW ROUTE — RANCHO CUCAMONGA — 91739
Situs Address — City — Zip Code

Fire — Water/Sewer Agency

PROPERTY OWNER

CMC FONTANA STEEL — 909 803 1518
Name — Phone No.

P.O. Box 2219 — RANCHO CUCAMONGA — 91739
Mailing Address — City — Zip Code

Tim Folsom — 909 803 1518
Owner's Representative — Phone No.

TANK OWNER

CMC FONTANA STEEL
Name — Phone No.

SAME
Mailing Address — City — Zip Code

TANK DATA

Construction	Size	Contents	U.L. Number

CONTRACTOR

DENNIS D. ROCK CONSTRUCTION — DENNIS D. ROCK — 7147761581
Company Name — Contact Person — Phone No.

923 Chippewa — Anaheim — 92801
Mailing Address — City — Zip Code

EXEMPT
Workman's Comp Insurance Carrier — Policy No.

474674 — A, B, HAZ — 6-30-11
State Contractor's License No. — Types of Licenses — Expiration Date

DENNIS D. ROCK — 714-776 1581
Print Name Clearly — Phone

Dennis D. Rock — 7-9-09
Signature — Date

$ 758.00

OFFICE USE ONLY

258.00 + 500.00 = Total

New Facility ☐

Permitted Facility ☒ Yes ☐ No — FA# 3266 — Facility ID Number

Number of Tanks: 1

Permits Current ☒ Yes ☐ No — 7-31-09 — Expiration Date

Permit Fee Paid 3032 & 3035 — Receipt Number 54420 / 54425

Check Number 7-15-09 — 7-22-09

Date Paid

Taken by 071509-01 — 09693
Log Number — Job Card Number

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

Rcvd 9/10/14

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ 870.00 First Tank

$ _____ Each Additional Tank Number of Tanks this Application 1

JOB LOCATION

Facility Name	Contact Person	Phone No.
CMC REBAR	TIM FOLSOM	909 803 1518
Situs Address	**City**	**Zip Code**
12451 ARROW ROUTE	RANCHO CUCAMONGA	91739
Water/Sewer Agency	**Fire**	

PROPERTY OWNER

Name	Phone No.
CMC STEEL	909 803 1518
Mailing Address	**City** / **Zip Code**
12451 ARROW ROUTE	91739
Owner's Representative	**Phone No.**

TANK CONTENTS

DIESEL

LENSARO INC. dba 1ST ALERT

CONTRACTOR

Company Name	Contact Person	Phone No.
DENNIS D. ROCK CONSTRUCTION	DENNIS D. ROCK	714 776 1581
Mailing Address	**City**	**Zip Code**
923 CHIPPEWA	ANAHEIM	92801
Workman's Comp Insurance Carrier	**Policy No.**	
STATE FUND	1864904-14	
State Contractor's License No.	**Types of Licenses**	**Expiration Date**
578191 & 474674	A, B, HAZ	9/20/2015 & 6/30/15

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Print Name Clearly	Phone
DENNIS D. ROCK	714 776 1581
Signature	**Date**
Dennis D Rock	7/9/14

OFFICE USE ONLY

Under Permit ☐ No ☒ Yes — FA# 32606 (Facility I.D. Number)

Number of Tanks: 1

Fees Current ☐ No ☒ Yes — Delinquent Amount: _____ Expiration Date: 12-31-2014

$70.00 / 182033 — Permit Fee Paid THIS Application / Receipt Number

Check Number 8879

Date Paid 7-9-14

Taken by

Log Number 570914-01 — Job Card Number 11 232

SAN BERNARDINO COUNTY FIRE DEPARTMENT

RECEIPT 82033

DIVISION Haz-Mat DATE 7-11

RECEIVED FROM Dennis D. Koch $ 870.00

Eight Hundred Seventy DOLLARS

ESTABLISHMENT / ACCOUNTS / CONTRACT # FAH 3266

DESCRIPTION	FUND-DEPT-ORG-REVENUE	GRC#	AMOUNT
Cost Recovery	FHZ1001559610	4130	870.00
FAH 3266	CMC Release - Edwards		
	12451 Arrow Rt		
	Rancho Cucamonga		
	Log # 07594.01		
GRAND TOTAL			$ 870.00

PAYMENT TYPE check , CHECK # _____

(SIGNATURE) _____ TITLE _____ BOOK # 604

01-20802-670 Rev. 7/11

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

T-44 3266 11232

LOG # Chevron-21 **JOB CARD** NE

INSTALL _____ REMOVE _____

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name Chevron Keber - Etiwanda
Address 12451 Arrow Rte Rancho Cucamonga
Contractor Kenan Kaleb
Address/Phone _____

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X	1 - 12,000 gallon diesel UST	
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements	3 samples 8260 & 8015M	
		Also L.	
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks: witnessed UST Removal & soil sampling.
8/14/14

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 10 days

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 8-30-14

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: White — County Fire Department
Green — Contractor/Owner

Rancho Cucamonga Fire Protection District
Prevention Bureau Standard

Title: **Hazardous Materials Storage Tank Abandonment/Removal**	
Standard # 57-1	Effective: Jan. 1999
Number of Pages: 4	Revised: January 2014

INTENT

The intent of this standard is to establish requirements for obtaining a permit to abandon, remove, or modify a hazardous materials storage tank.

AUTHORITY

This standard is in accordance with RCFPD Ordinance FD 54 and the 2013 California Fire Code.

ADOPTED STANDARD

1. **Permit Required**

A Fire District permit is required in order to abandon, remove, or modify any hazardous material storage tank.

a. **Permit Process/Plan Submittal**

i. A completed application for permit (Appendix A) and three sets of plans must be submitted to the Fire District for review and approval prior to any work being performed at the site.

ii. The following is the minimum information, where applicable, that must be included with the plan submittal and the permit application.

- ☑ Site Information
- ☑ Property Owner Information
- ☑ Current Occupant Information
- ☑ Contractor Information
- ☐ Consultant Information
- ☐ Degassing contractor information
- ☑ Hazardous Waste hauler information
- ☑ Marine Chemist or Certified Industrial Hygienist information
- ☑ The scope of work to be performed
- ☑ The method of abandonment/removal
- ☑ A soil sampling plan that will determine whether or not regulated products have leaked or otherwise been released into the soil. The plan will include details demonstrating that the sampling will be done in accordance with accepted methods and will provide the name of the California state certified laboratory that will perform the analysis.
- ☐ Projected job schedule
- ☐ Work site respiratory protection action levels
- ☐ Compliance with fire retardant clothing requirement for site workers
- ☑ A site specific health and safety plan
- ☑ A detailed and scaled site plan, including location of tank(s), piping, openings, buildings and structures; Property lines; and underground utilities. Provide note about contacting Underground Service Alert (USA) prior to excavation.
- ☐ Provide note indicating if a Confined Space Entry Permit is required.

iii. The following are the required documents, where applicable, that must be included with the plan submittal and the permit application.

- ☑ Application for Rancho Cucamonga Fire District Hazardous Materials Storage Tank Removal Permit
- ☑ Photocopy of City of Rancho Cucamonga Business License
- ☑ Photocopy of Cal/OSHA excavation permit
- ☑ Photocopies of Worker's Comp and liability insurance policies
- ☑ Photocopy of California contractors license with hazmat endorsement
- ☐ Proof of tank contents or results of lab samples

b. **Permit Fees**

All required fees shall be paid prior to permit issuance.

2. **Inspector Required**

A qualified fire inspector must be present at the site during abandonment/removal operations.

a. The following, where applicable, must be present on-site during operations. This list shall be placed on the plans.

- ☐ Cal/OSHA qualified person for the excavators
- ☑ Cal/OSHA annual crane certificate
- ☑ Marine Chemist or C.I.H. Certification
- ☐ SCAQMD degassing permit
- ☑ EPA generator identification number
- ☑ Copies of employee HAZWOPER training records
- ☑ Company Safety Plan

b. The following are additional general site requirements that will be monitored as applicable by the Fire Inspector. This list shall be placed on the plans.

- ☐ The contractor appearing on the tank removal permit is responsible and accountable for the job site. The contractor shall either perform the work and/or be on site to oversee subcontractors.
- ☐ All Cal/OSHA excavation regulations are strictly enforced
- ☐ All Cal/OSHA safety equipment requirements are strictly enforced
- ☐ All DMV/DOT regulations are strictly enforced
- ☐ Fire retardant clothing shall be worn while working around flammable/combustible vapors.
- ☐ Elimination of ignition sources shall be in accordance with nationally recognized standards
- ☐ Equipment shall be bonded and/or grounded and listed for use in hazardous locations
- ☐ All work performed on the tank shall be done with non-sparking tools, except work that may be performed in accordance with NFPA 306 and under the supervision of a certified Marine Chemist or tanks which contain 0% LEL constantly monitored by a trained and qualified person, with standard tools.
- ☐ A combustible gas indicator (CGI) and an oxygen meter shall be on site, calibrated, and operated by a trained and qualified person (documentation required). Continuous readings shall be taken around the job site to detect accumulation of explosive vapors. If 20% LEL is detected, all operations will halt and you will have one half hour for the dissipation of vapors or the job will be shut down.

  Note: Conversion charts or an instrument capable of monitoring the specific tank contents is required. Instruments shall be protected from sensor poisoning from leaded fuels.
- ☐ Piping shall be flushed before it is disconnected from the tank; if not, it is subject to being hauled as a hazardous waste.

- ☐ A ratio of 25 pounds of dry ice per 1,000 gallons of tank capacity is required to render a tank inert.
- ☐ Tank shall be emptied and rendered inert prior to disturbing tank and surrounding material (i.e. concrete, asphalt, supports, etc.)
- ☐ Dispensers which are no longer going to be used shall be removed.

3. **Prohibited Practices**

Where applicable to the particular job, the following items are prohibited:

- ☐ Removing a hazardous materials storage tank from the excavation or site without a Fire Inspector present. Violations may be subject to criminal and/or civil action.
- ☐ Performing any work prior to the arrival of the Fire Inspector as specified above.
- ☐ Exceeding a 30 minute delay in work or from scheduled inspection start time. Violations may result in additional fees, shutdown, or both.
- ☐ Excavating prior to required notification to Cal/OSHA

4. **Reports Required**

Where applicable to the particular job, the following reports shall be provided to the Fire District:

- ☐ California Hazardous Waste Manifest.
- ☐ Name and address of the licensed Treatment, Storage, and Disposal Facility.
- ☐ Applicable chain of custody and disposal documentation.
- ☐ Tank destruction certificate.
- ☐ Soil sampling report.

5. **Acknowledgement**

I/We acknowledge that we have received and understand RCFPD Standard 34-1 Hazardous Materials Storage Tank Abandonment/Removal.

Project Manager's Name _____ Signature _____

Date _____

DENNIS D. ROCK CONSTRUCTION — Contractor's Name

Dennis D. Rock — Signature

8/6/14 — Date

Appendix A

Rancho Cucamonga Fire Protection District

Prevention Bureau

10500 Civic Center Dr., Rancho Cucamonga, CA 91729 909-477-2770 fax 909-477-2772

Application for Permit to Abandon/Remove Hazardous Materials Storage Tank

Note: This permit is only issued to licensed California Contractors and Property Owners

Date(s): 8/11/14 & 8/14/14 **Time:** 7AM

Site Information

Site Address: 12451 ARROW ROUTE Phone Number: 9098031518

Name of Business: CMC REBAR-ETIWANDA Contact Person: Tim Folsom

Applicant Information

Company Name: _____ Phone Number: _____

Address: _____ Contact Person: _____

Contractor Information

Company Name: LENSARO INC. dba 1ST ALERT/ DENNIS D. ROCK CONSTRUCTION Phone Number: 7147761581

Address: 923 CHIPPEWA, ANAHEIM CA. 92801 Contact Person: DENNIS D. Rock

Method of Abandonment (check one)

- [X] Triple rinsed, certified, rendered inert, and hauled from site
- [ ] Hauled as hazardous waste
- [ ] Triple rinsed, certified, filled with slurry, and abandoned in place

Briefly describe the scope of work to be performed and the number of tanks to be removed/abandoned:

REMOVAL of ONE 12,000 gal fg diesel TANK

Applicant's Name: DENNIS D. Rock Const Phone Number: 7147761581

Applicant's Signature: Dennis D Rock Date: 8/6/14

**********FIRE DISTRICT USE ONLY**********

Approved by: Jessica Estrella Phone Number: (909) 477-2770

Fees Due: $1,128 Date Paid: 8/6/14

RCFPD Standard # 57-1

OF RANCHO CUCAMONGA

Civic Center Drive • Rancho Cucamonga, CA 91730
Tel: (909) 919-2948 • Fax: (909) 919-2959
www.CityofRC.us

INESS LICENSE APPLICATION

(Please print or type clearly, using ink)

CITY OF RANCHO CUCAMONGA
CITY HALL
FINANCE DEPARTMENT
10500 CIVIC CENTER DRIVE
RANCHO CUCAMONGA, CA 91730
909-477-2700
RECEIPT: CR201866 DATE: 08/06/14
CASHIER ID: FINCNTR TIME: 12:41:30
BATCH ID: CL080614

DUE TO:
Business Licenses 47.00
1001000 4201 CK
SB1186 Cert Access Spec Pro 1.00
1003000 4650 CK

TOTAL PAID 48.00

RECEIVED FROM:
DENNIS D. ROCK CONSTRUCTION

PAY TO THE ORDER OF
UNION BANK OF CALIFORNIA, N.A.
CITY OF RANCHO CUCAMONGA
ACCOUNT #2750024418
CR201866 48.00

Boxes or Postal Contract Stations will not be accepted for Business
N CITY LIMITS MUST APPLY IN PERSON AT CITY HALL.)

Start Date:

State: Zip:

State: Zip:

• OFFICIAL USE ONLY •

BUSINESS LICENSE NO.:
RECEIPT NO.:
PAYMENT DATE: City of Rancho Cucamonga
BATCH NO.:
DATE ENTERED:
DATE RECEIVED: RECEIVED AUG 0 6 2014
RECEIVED BY: Business License Division

City of Rancho Cucamonga to store, sell or provide Chloro Fluoro Carbons processed packaging within
uthorize the holder to violate or cause violation of any existing Covenants, Conditions and Restrictions.

r/Developer ☐Service ☐Professional ☐Manufacturing ☐Administrative Headquarters
ith No Fixed Place of Business in the City ☐Property Rental/Commercial or Residential
on-Profit Organization

ALL CONTRACTORS/SUB-CONTRACTORS MUST COMPLETE BOX

Contractor's State License No.: Class:
Project Name:
Project Location:
Total Contract Amount:
General Contractor: SUB LIST REQUIRED

Partners or Corporate Officers. Use Additional Sheets as necessary.

Proprietor ☐General Partnership ☐ Trust ☐Ltd Liability Partnership

Title: Phone: ( )
Social Security No.:
State: Zip: Driver's License No.:
Title: Phone: ( )
Home Address: Social Security No.:
City: State: Zip: Driver's License No.:

BUSINESS OWNER DECLARATION (MUST BE COMPLETED)

Acceptance of payment does not constitute approval of Business License. Authorization to conduct business is not granted until license is issued. I declare, under penalty of perjury that this application is true and correct to the best of my knowledge and belief. I understand and agree that the granting of this Business License requires my compliance with all applicable City of Rancho Cucamonga Municipal Code provisions, state, local, federal laws, and all conditions set forth above.

Signature: Date:
(Business Owner or Agent)

Name (type or print):

PROPERTY OWNER DECLARATION (MUST BE COMPLETED)

I declare that ☐I am the owner, ☐I legally represent the owner, of real property involved in this application and do hereby consent to the filing of this Business License application.

Signature: Date:
(Property Owner or Legal Representative)

Name (type or print):

• OFFICIAL USE ONLY •

Planning Department Approval: ☐Approved ☐Denied
Signature: Date:
Conditions:
Reasons:
Fire Safety Approval:

Enter the amount from Box 8 on reverse of this form	$
Penalty: 50% (if applicable)	$
SB 1186 State Fee	$ 1.00
TOTAL AMOUNT DUE	$

Under federal and state law, compliance with disability access laws is a serious and significant responsibility that applies to all California building owners and tenants with buildings open to the public. You may obtain information about your legal obligations, and how to comply with disability access laws at the following agencies: The Division of the State Architect at www.dgs.ca.gov/dsa/Home.aspx. The Department of Rehabilitation at www.rehab.cahwnet.gov. The California Commission on Disability Access at www.ccda.ca.gov.

Please make check payable to: City of Rancho Cucamonga

Total Amount Received: $ REFUND/BILLED: $

onga Fire Protection District

ter Drive • Rancho Cucamonga, California 91730 • (909) 477-2770

YMENT DUE / APPLICATION FOR PERMIT

7616

NTC # _____ Page ___ of ___

_____ Date: _____

_____ Phone: _____

_____

_____ Phone: _____

_____ State: _____ Zip: _____

ired ☐ Permit and Inspection Fees ☐ Permit Fee(s) Only

ies for an Operational Permit pursuant to Chapter 1, Section 105 of the California
ies that permitted operations shall at all times be in accordance with the Fire Code
Regulations. The premises where the permitted operations are conducted are
ompliance with the conditions of the permit. Issued permits are subject to
Code. Approval of this permit application and/or issuance of an Operational
ng, Planning, or Building Code provision, requirement, or regulation.

	and/or Permit Category / Subcategory	Fee
	Total Due	

☐ Annual Permit ☐ Single Use Permit ☐ Non-Profit Organiztion Fee Reduction Applied ☐ Fee Waived per District Policy

Applicant's Signature _____ **Date** _____

By signing, Applicant acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include invoice number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order along with the Remittance Copy to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807**. Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Dr. Payments are considered past due at 30 days from the date of the Notice of Payment Due. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating. Approved permits will not be issued until all Fire Code violations have been corrected and permit fees have been paid. Conducting regulated operations without a permit could result in the issuance of an Administrative Citation.

Inspector: _____ _____ _____

(Printed Name) (Signature) (Date)

**********FIRE DISTRICT USE ONLY**********

APPLICATION IS: APPROVED ( ) DENIED ( ) Reason for Denial: _____

Date Paid: _____ Payment Amount: _____ Payment Method: Cash Credit Card Check # _____

Form: FIB 01: Revised Nov 2010

Distribution: White – Fire Administration; Yellow – Remittance Copy; Pink – Applicant's Copy

DENNIS D. ROCK CONSTRUCTION

Rancho Cucamonga Fire Protection District

APPROVED

☐ As Submitted ☐ With Noted Conditions

By EPSI Date 8/7/14

Name/Title

San Bernardino County Fire Dept.
Hazardous Materials Division
620 South E. Street
San Bernardino, CA 92415
Attn; Theresa Congdon

July 8, 2014

Dear Theresa,

Please accept this as the work plan for the removal of the underground fuel tank located at CMC Rebar-Etiwanda, 12451 Arrow Route, Rancho Cucamonga, CA 91739.

Dennis D. Rock Construction, a division of, and 1st Alert a dba of, Lensaro Inc., a California Corporation, will provide all equipment, labor, and material to accomplish the following scope of work.

SCOPE OF WORK Removal of one twelve thousand (12,000) gallon underground tank, associated piping, fuel pump dispenser, fuel island, and UST monitor system including:

- Notification of all agencies as may be required, i.e. SCAQMD, County, City, Fire Dept., Dept. of Public Works, Waste Management, Underground/aboveground Tank Unit, the local CUPA, Dig Alert, etc.
- Disconnect all power, and empty, flush and rinse all product piping lines back to tank. Disconnect and cap all lines and pump openings. Strip fuel island of all hardware. Removal and disposal of required concrete slab. Perform all required excavation to expose piping and tank. Backfill removed from under location of former dispenser and on top of the existing tanks will be stockpiled separately for sampling.
- Removal of associated piping, as may be required, to fuel island including removal of island.
- Tank will be triple rinsed, cleaned and vacuumed clean and dry with a vacuum truck and certified clean by a Marine Chemist as non hazardous material. 300 pounds of dry ice will then be added to the tank with the permission of the inspector. Rinsate to be disposed of under Uniform Hazardous Materials Manifest.
- Tank will be removed from the excavation by crane or, with the permission of the inspector broken up in the excavation, and including piping, placed on a truck for export as non hazardous material to a certified disposal facility.
- Securing of required soil samples under tank invert and product line and from stockpiled backfill at the direction of an Agency Inspector. All sampling performed per Title 23, Chapter 3, Subchapter 16, Section 2649 and/or EPA method 5035.
- Submit samples to a California Certified Laboratory and have analyzed using DHS protocol 8015M/gas and Diesel, and 8260/MTBE/Oxygenates.
- Decommissioning and removal of electronic monitoring system.
- Backfill with stockpiled excavated material, if appropriate, and imported granular material and compact same to approximately 90%. Backfill material graded to match existing subgrade.

ENVIRONMENTAL ENGINEERING CONSTRUCTION
REMEDIATION PRECISION DEMOLITION

923 CHIPPEWA, ANAHEIM, CA 92801 • 714-776-1581 • FAX 956-7827 • CSLB 474674 A, B-1, HAZ

- Disposal of non hazardous debris and site cleanup. Resurface excavated area to match existing.
- Final documentation prepared and submitted to the San Bernardino County Fire Hazardous Materials Division.

Thank you for the opportunity to prepare this work plan for you and I am looking forward to working with you. If questions should arise concerning this bid please call.

Sincerely,

Dennis D Rock

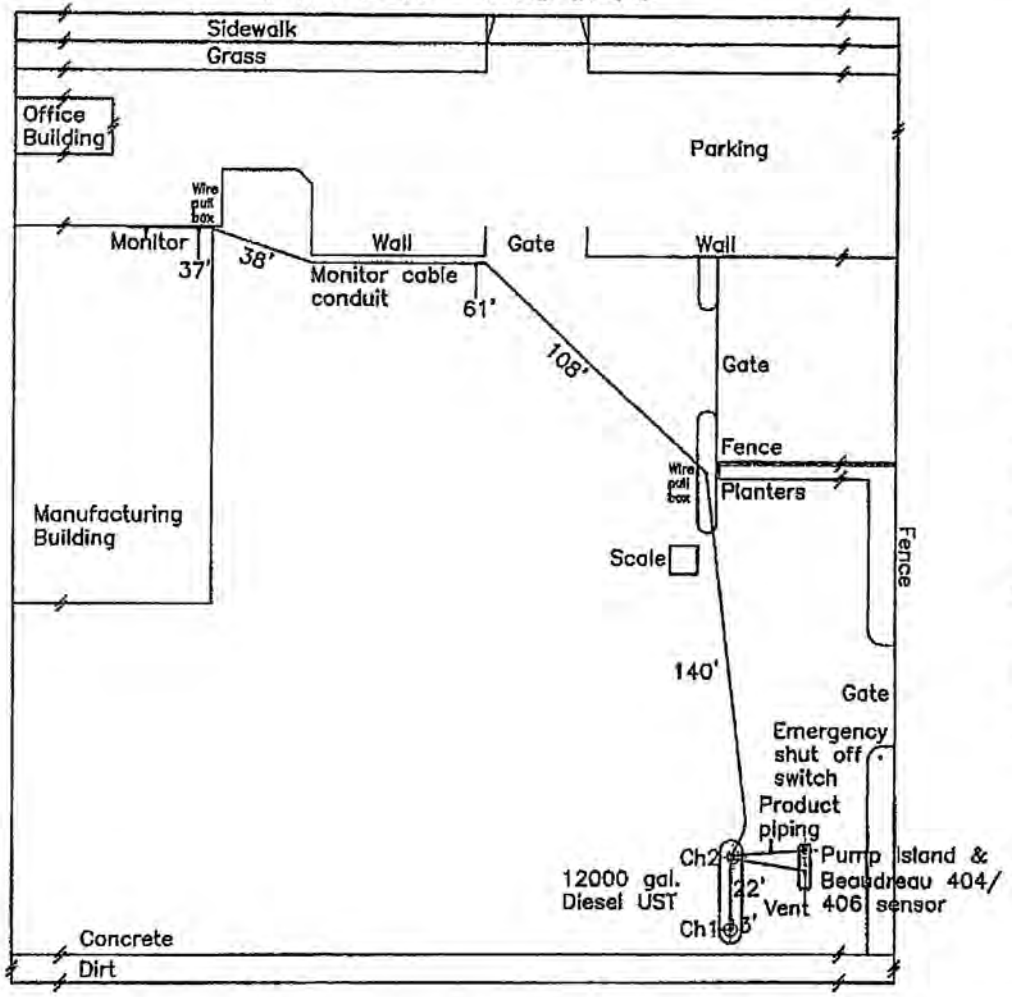
Dennis D. Rock

ENVIRONMENTAL ENGINEERING CONSTRUCTION
REMEDIATION PRECISION DEMOLITION

923 CHIPPEWA, ANAHEIM, CA 92801 • 714-776-1581 • FAX 956-7827 • CSLB 474674 A, B-1, HAZ

Arrow Route

Legend
Ch# = Sensor
⌖ = Sensor location



Dennis D. Rock Construction
923 Chippewa
Anaheim, CA 92801
714-776-1581
CSLB 474674 A,B,Haz 6-30-11

CMC Fontana Steel
12451 Arrow Route
Rancho Cucamonga, CA
91739

Date:
07-07-10

Scale:
0' 30' 60'

Drawing #
1

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/22/2014

IS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS RTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED PRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

PORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to e terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the rtificate holder in lieu of such endorsement(s).

UCER estone Risk Management & Insurance Agency ense No. 0B72766 orporate Park, Ste 130 ine CA 92606	CONTACT NAME: Teresa Shen PHONE (A/C, No, Ext): (949) 852-0909 FAX (A/C, No): (949) 852-1131 E-MAIL ADDRESS: tshen@milestonepromise.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Westchester Fire Insurance Co.	10030
ED saro, Inc. dba 1st Alert nis D. Rock Construction; Dennis D. Rock N Chippewa Ave heim CA 92801-3521	INSURER B: Peerless Insurance Co.	10836
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

ERAGES CERTIFICATE NUMBER: 14/15 Master REVISION NUMBER:

S IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD ICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS RTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, CLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
GENERAL LIABILITY							
X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$ 2,000,000
CLAIMS-MADE X OCCUR			G24271882-003	4/27/2014	4/27/2015	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
						MED EXP (Any one person)	$ 5,000
						PERSONAL & ADV INJURY	$ 2,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 3,000,000
X POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 3,000,000
							$
AUTOMOBILE LIABILITY							
ANY AUTO						COMBINED SINGLE LIMIT (Ea accident)	$
ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per person)	$
HIRED AUTOS / NON-OWNED AUTOS						BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
							$
UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
DED RETENTION $							$
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						WC STATU-TORY LIMITS / OTH-ER	
ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A					E.L. EACH ACCIDENT	$
If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
Professional Liability			G24271882-003	4/27/2014	4/27/2015	Limit	$2,000,000
Equipment Rental			CBP9584967	4/27/2014	4/27/2015	Limit/Deductible	$35,000/500

IPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

IFICATE HOLDER

Proof of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Teresa Shen/TERESA

D 25 (2010/05)

5 (2010/05) 01

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ACORD

CERTIFICATE OF LIABILITY INSURANCE

OP ID: DV

DATE (MM/DD/YYYY)
12/31/13

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

ODUCER isserman & Associates urance Brokers, Inc. Box 19970 cramento, CA 95819-3915 k Wasserman	916-739-0254 916-733-0622	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: ROCKD-1

URED	INSURER(S) AFFORDING COVERAGE	NAIC #
Lensaro Inc. DBA: 1st Alert Dennis D. Rock Construction 923 Chippewa Anaheim, CA 92801	INSURER A : State Compensation Ins. Fund	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

VERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD NDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

R	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY							
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	CLAIMS-MADE OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$
								$
	AUTOMOBILE LIABILITY							
	ANY AUTO						COMBINED SINGLE LIMIT (Ea accident)	$
	ALL OWNED AUTOS						BODILY INJURY (Per person)	$
	SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS						PROPERTY DAMAGE (Per accident)	$
	NON-OWNED AUTOS							$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DEDUCTIBLE							$
	RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N N / A		1864904-14	01/01/14	01/01/15	X WC STATU-TORY LIMITS OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

CRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RTIFICATE HOLDER

PROOF06

Proof Of Insurance Coverage

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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State Of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

Consumer Affairs

License Number **474674** Entity INDIV

Business Name DENNIS D ROCK CONSTRUCTION

Classification(s) B A HAZ

Expiration Date 06/30/2015 www.cslb.ca.gov

State Of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

License Number **578191** Entity CORP

Business Name LENSARO INC DBA 1ST ALERT

Classification(s) B A HAZ

Expiration Date 09/30/2015 www.cslb.ca.gov

DENNIS D ROCK - 5297878
UST Installation/Retrofitting - Exp. 07/11/2015
California UST Service Technician - Exp. 07/11/2015

DENNIS D ROCK - 5297878
California UST System Operator - Exp. 11/14/2014

Congratulations! You have demonstrated a commitment to the code enforcement profession by successfully achieving ICC certification. Your certification information will be posted on the Certification Website as an Active Certification. www.iccsafe.org

CERTIFICATION RENEWAL - Certification is valid for a three year period. For Renewal Information see the Bulletin at www.iccsafe.org

AST/UST Certification Renewal - Certification is valid for a two year period. For Renewal Information see the Bulletin at www.iccsafe.org

NAFED Certification Renewal - **NAFED** must receive your application for recertification and documentation at least 60 days prior to the expiration date of the current certification. www.nafed.org/certification/

Renewal of certifications is the responsibility of the certified individual. Please make sure you keep track of your renewal date(s), and advise ICC of any CHANGE OF ADDRESS. www.iccsafe.org

If you have achieved a NAFED certification you must notify **NAFED** of any change of address. www.nafed.org

Best wishes for continued success in your career, and thank you for your interest in the Certification Programs of the International Code Council.

DANA ROCK - 8182624
UST Installation/Retrofitting - Exp. 07/12/2015
California UST Service Technician - Exp. 07/12/2015

DANA ROCK - 8182624
California UST System Operator - Exp. 11/14/2014

Remove card at perforation and FOLD in center before placing in wallet

Safety Dynamics Group
Enhancing safety. Empowering success.

Certificate of Completion

DENNIS ROCK

Has successfully completed the required training as outlined in Fed/OSHA, Title 29, 1910.120 and Cal/OSHA Title 8, 5192 for

8 HOUR HAZWOPER ANNUAL REFRESHER

Date: 8/23/2013 Trainer: ROD BUCK

Safety Dynamics Group
Enhancing safety. Empowering success.

Certificate of Completion

DANA ROCK

Has successfully completed the required training as outlined in Fed/OSHA, Title 29, 1910.120 and Cal/OSHA Title 8, 5192 for

8 HOUR HAZWOPER ANNUAL REFRESHER

Date: 8/23/2013 Trainer: ROD BUCK

ROUX

Underground Storage Tank Removal Report

12451 Arrow Route
Rancho Cucamonga, California

August 25, 2023

Prepared for:

BTC III Arrow Route CC LP

Prepared by:
Roux Associates, Inc.
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California, 90804

3200.00071.117/R

Environmental Consulting
& Management
+1.800.322.ROUX
rouxinc.com

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A. Laboratory Analytical Results
B. Tank Contents Hazardous Waste Disposal Manifest
C. San Bernardino County Fire Protection District UST Closure Permit
D. Rancho Cucamonga Fire Protection District Permit to Abandon/Remove Hazardous Materials Storage Tank
E. San Bernardino County Fire Protection District UST Removal Inspection Report
F. Tank Rinsate Hazardous Waste Manifest
G. Hazardous Waste Tank Closure Certification
H. UST Recycling Receipt
I. Photographic Log

1. Introduction

Roux Associates, Inc, (Roux) has prepared this *Underground Storage Tank Removal Report* (Report) on behalf of BTC III Arrow Route CC LP for the industrial property located at 12451 Arrow Route, Rancho Cucamonga, California (the Site; Figure 1). This Report summarizes the findings, observations, soil sampling, and laboratory analysis conducted during the excavation and permanent removal of an estimated 10,000-gallon single walled steel underground storage tank (UST). The UST was discovered on April 5, 2023 during demolition activities in Parcel 2 at the southern portion of the Site (Figure 2). The UST was discovered when heavy equipment removed a concrete slab and associated footings in the former melt shop. No product pipelines, vents, or other infrastructure associated with the UST were observed, nor was any reference to the UST noted in available historical site documentation. The UST was removed under the oversight of the San Bernardino County Fire Protection District (SBCFPD) and the Rancho Cucamonga Fire Protection District (RCFPD) on June 28, 2023.

The purpose of this Report is to provide all necessary documentation for UST removal (including permitting, disposal manifests, and certificate of recycling), report general observations during the removal, and provide laboratory analytical results of soil confirmation samples collected beneath the UST after removal. This Report satisfies the reporting requirements of the SBCFPD and the RCFPD for UST closure.

The property owner and responsible party is:

BTC III Arrow Route CC LP
4675 MacArthur Court, Suite 625
Newport Beach, California 92660

1.1 Site Description and Background

The Site is located at 12451 Arrow Route, Rancho Cucamonga, San Bernardino County, California, Assessor's Parcel Numbers (APNs) 0229-121-34, 0229-121-33, 0229-131-19, and 0229-121-35 (Parcels 1 through 4, respectively) and consists of approximately 95 acres of land bound by Arrow Route to the north and the Atchison Topeka and Santa Fe Railroad to the south, see Figure 2. Prior to decommissioning, the Site was most recently occupied by Commercial Metals Company (CMC), a steel mill; CMC Rebar, a rebar manufacturing facility; and Phoenix Industries, a slag processing facility. Steel mill operations existed on-Site from the 1950s until 2019 when milling operations were phased out.

1.2 Regional Geology

The Site is located along the northeastern portion of the Chino Subbasin within the Upper Santa Ana Valley Groundwater Basin. The regional geology at the Site consists of consolidated and semi-consolidated Quaternary deposits of alluvium, lake, playa, and terrace. Soils on the site can generally be described as sand, sand with gravel, and sand with silt. The soil on Parcel 3 where the UST was located consists of sand or sand with silt to 5 feet below ground surface (bgs), sand with silt to 29 feet bgs, and a dense silty layer from 29 to 34 feet bgs. Depth to groundwater is approximately 430 feet bgs and the groundwater has an overall southwest gradient.

2. Field Activities

All activities performed and detailed as part of this Report were conducted under the supervision of a registered California Professional Geologist.

2.1 Tank Discovery

The UST was discovered on April 5, 2023 during slab demolition activities in the southeast portion of Parcel 2 (Figures 2 and 3) and was unknown prior to slab demolition and soil excavation. No references related to the UST could be located in the available historical documents. The single wall steel UST had an approximate 10,000-gallon capacity. No associated product pipelines, vents, or dispensers were observed in the area of the tank. After discovery, all work in the immediate vicinity of the UST was stopped and the area secured to prevent further disturbance.

At the time of discovery, approximately 15-inches of liquid remained in the UST, which appeared to be oily water. A sample of the liquid from within the UST was collected and submitted to Enthalpy Analytical of Orange, California for analysis of volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B; total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by USEPA Method 8015B; and Title 22 metals by USEPA Method 6010B/7000 (Appendix A). Based on these sample results, the UST contents were determined to be diesel fuel.

On May 9, 2023, World Oil Environmental Services removed the UST liquid contents (1,400 gallons) for offsite disposal at World Oil Recycling of Compton, California under uniform hazardous waste manifest (Appendix B).

2.2 Pre-Field Activities

Prior to the start of UST removal field activities, Roux prepared a Site-specific health and safety plan (HASP) to ensure worker safety. In addition to containing information regarding Roux's standard safety practices, the HASP describes potential hazards relating to Site activities and provides the locations and contact information of nearby emergency services. The HASP was kept on Site when fieldwork occurred and was reviewed and signed by Site workers during the daily tailgate health and safety meeting prior to work each day.

2.3 Permitting

Two permits were obtained prior to removal of the UST. A SBCFPD UST Closure Permit (SR0202862) was obtained and dated June 5, 2023 (Appendix C). An RCFPD Permit to Abandon/Remove Hazardous Materials Storage Tank (FES2023-00031) was obtained and dated June 5, 2023 (Appendix D).

2.4 UST Removal

The UST was removed on June 28, 2023 under the oversight of RCFPD Inspector Graciano and SBCFD Inspector Zakhary. The San Bernardino County UST Removal Inspection Report prepared by Inspector Zakhary is included as Appendix E. Silverado Contractors, Inc. (Silverado) removed approximately 5 yards of soil that remained on top of the tank and stockpiled it on plastic. Roux personnel monitored the soil and general work area with a photoionization detector (PID) calibrated to 100 parts per million (ppm) hexane gas

per South Coast Air Quality Management District (SCAQMD) Rule 1166 requirements. The excavation work was performed under Roux's SCAQMD Various Locations Permit (ID 189893).

Nieto & Sons (Nieto) cleaned the UST with pressurized water via the central bung hole in the top of the tank. The residual contents of the UST (soil/sludge and rinseate) were evacuated via a vacuum truck. A flame ionization detector (FID) confirmed that the UST atmosphere was less than 1% of the lower explosive limit (LEL) and Nieto cut windows in the tank with an intrinsically safe rivet buster to access more of the tank for cleaning. Approximately 800 gallons of liquid and solids were collected and transported off-Site by Nieto and Sons Trucking, Inc. classified as UN1203, Gasoline Mixture, 3, PG II under Hazardous Waste Generator ID CAD982361404. A copy of the rinseate hazardous waste manifest is included as an attachment to this Report (Appendix F).

Following cleaning, The UST was certified clean by Ms. Nancy Carraway, Certified Industrial Hygienist (CIH), as recyclable metal. The Hazardous Waste Tank Closure Certification is included in Appendix G.

Per RCFPD guidelines, approximately 250 pounds of dry ice (25 pounds of dry ice per 1,000 gallons of UST capacity) was placed in the tank. An FID was used to confirm the atmosphere in the UST had an LEL of zero percent, and removal of the UST was approved by RCFPD and SBCFD. The UST was then lifted and placed on a truck for immediate transport and disposal. The UST was observed to be in poor condition, with visible holes and corrosion. No impacted soil was observed (visual or olfactory) beneath the UST. The UST was transported to SA Recycling located at 15615 Arrow Highway, Fontana, California 92335. The Tank Recycling Receipt is included in Appendix H. A photographic log is included as Appendix I.

Following removal of the UST, collection of confirmation soil samples was witnessed by Inspectors Graciano and Zakhary and the excavation was secured pending receipt of laboratory analytical results, discussed below.

2.5 Confirmation Sampling Procedures and Laboratory Analysis

Roux personnel collected confirmation soil samples per the UST removal permit requirements and under the supervision/direction of the SBCFPD and RCFPD inspectors on June 28, 2023. One composited soil sample (SS-1) was collected from the approximate 10 cubic yard stockpile generated on June 28, 2023. The composite sample was collected from eight randomized locations within the stockpile at least 6 inches below the stockpile surface with a spade.

Two discrete confirmation samples (UST-1 and UST-2) were collected from the soil at each end of the UST invert. The samples were collected directly into the sample jars from the excavator bucket, which had been filled with native soil from 3 feet beneath the tank invert. During sample collection, no visual or olfactory evidence of hydrocarbon impact was observed, and PID readings taken from the excavator bucket at the time of sampling were less than 1 ppm.

All soil samples were collected in laboratory-provided 8-ounce jars and preserved 40-milliliter (mL) terracore® USEPA Method 5035 sample kits. Soil samples were labeled, placed in an ice chest, and transported under proper chain-of-custody protocol to Enthalpy Analytical, a state certified analytical laboratory in Orange, California.

Per the UST removal permit conditions, all samples collected were analyzed for total petroleum hydrocarbons (TPH) in the gasoline range (C_5-C_{12}) and the diesel range (C_{10}-C_{24}) using USEPA Method 8015M and for a

select list of volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes (BTEX) and fuel oxygenates methyl-tertiary-butyl ether (MTBE), tertiary-butyl alcohol (TBA), and naphthalene by USEPA Method 8260B.

3. Results

Analytical results from the soil sampling are summarized in Tables 1 and 2, and laboratory results are included as Appendix A. VOC results were compared to Department of Toxic Substances Control (DTSC) and USEPA industrial soil screening levels (SLs) and TPH results were compared to San Francisco Regional Water Quality Control Board (SFRWQCB) commercial/industrial shallow soil screening levels. Detected analytes are summarized in the table below.

Table: Detected Analytes in Confirmation Soil Samples

Analyte [1]	Screening Level [2]	Tank bottom confirmation samples		Stockpile samples
		UST-1	UST-2	SS-1
TPH-d	1,200 (SFBRWQCB)	170	--	5,100
TBA	6,500 (USEPA)	0.014	--	--

Notes:

[1] All results in units of milligrams per kilogram (mg/kg). "—" = not detected above laboratory reporting limits.

[2] Most conservative applicable screening level shown for comparison to analytical results. Refer to Tables 1 and 2 for all applicable screening levels used in the evaluation of analytical results.

Results from both confirmation samples UST-1 and UST-2 indicate the soil beneath the former UST was not impacted by a release. TPH-d was detected in the stockpile sample, SS-1, at a concentration of 5,100 mg/kg, above the SFBRWQCB Industrial SL of 1,200 mg/kg.

4.Conclusions and Recommendations

In accordance with SBCFPD and RCFPD UST closure requirements, one single-wall 10,000-gallon UST was certified clean and removed from the Site under the supervision of inspectors from the SBCFPD and RCFPD on June 28, 2023. Prior to its removal, the UST was triple rinsed and rendered inert by placing dry ice within the UST. The UST was lifted onto a truck and disposed of at a recycling facility.

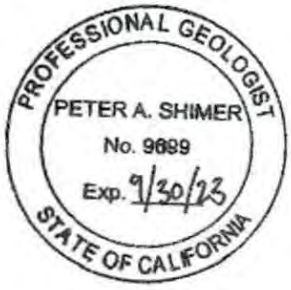
During the UST removal, the tank was observed to be in poor condition, but there was no visual or olfactory evidence of soil staining or a release beneath the UST or in the UST excavation. Confirmation soil samples collected beneath the UST do not indicate a release from the tank. DRO detected in soil stockpile sample SS-1 was above applicable screening levels and the stockpiled soil is not appropriate for re-use on-Site. Roux recommends that this soil be removed and disposed of at an appropriate off-Site facility. This soil removal is planned to coincide with other impacted soil removals planned in 2023, which will be conducted under DTSC oversight.

Removal and sampling activities described in this Report were performed under the supervision of the undersigned California Professional Geologist.

Roux is available to answer any questions regarding this *Underground Storage Tank Removal Report*. Please contact Peter Shimer at 925-818-6276 or via email at pshimer@rouxinc.com or Mauricio H. Escobar at 310-879-4920 or via email at mescobar@rouxinc.com.

Respectfully submitted,

ROUX ASSOCIATES, INC.



Peter Shimer, P.G.
Senior Geologist

Mauricio H. Escobar, P.G.
Principal Geologist / Vice President

TABLES

1. Soil Analytical Results: Volatile Organic Compounds (VOCs)
2. Soil Analytical Results: Total Petroleum Hydrocarbons (TPH)

Table 1

Soil Analytical Results - Volatile Organic Compounds (VOCs)

12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Date Sampled	Benzene	Ethylbenzene	m,p-Xylenes	MTBE	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Toluene	Xylene (total)
Analytical Method		**USEPA 8260B**								
Unit		**milligrams per kilogram (mg/kg)**								
DTSC Commercial/Industrial Soil SL		**1.4**	**NS**	**NS**	**NS**	**6.5**	**NS**	**NS**	**5,300**	**NS**
USEPA Industrial Soil RSL		**5.1**	**25**	**2,400**	**210**	**8.6**	**2,800**	**6,500**	**47,000**	**2,500**
UST-1	6/28/2023	<0.0042	<0.0042	<0.0084	<0.0042	<0.0042	<0.0042	**0.014**	<0.0042	<0.0042
UST-2	6/28/2023	<0.0043	<0.0043	<0.0085	<0.0043	<0.0043	<0.0043	<0.0089	<0.0043	<0.0043
SS-1	6/28/2023	<0.23	<0.23	<0.45	<0.23	<0.23	<0.23	<0.45	<0.23	<0.23

Notes:

VOCs = volatile organic compounds

mg/kg = milligrams per kilogram

USEPA = United States Environmental Protection Agency

DTSC = Department of Toxic Substances Control

DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (Revised May 2022)

USEPA Industrial Soil RSL = USEPA Regional Screening Level for Industrial Soil (November 2022)

NS = No screening level established

Bold indicates that value exceeds laboratory reporting limit

<X = analyte not detected above laboratory reporting limit

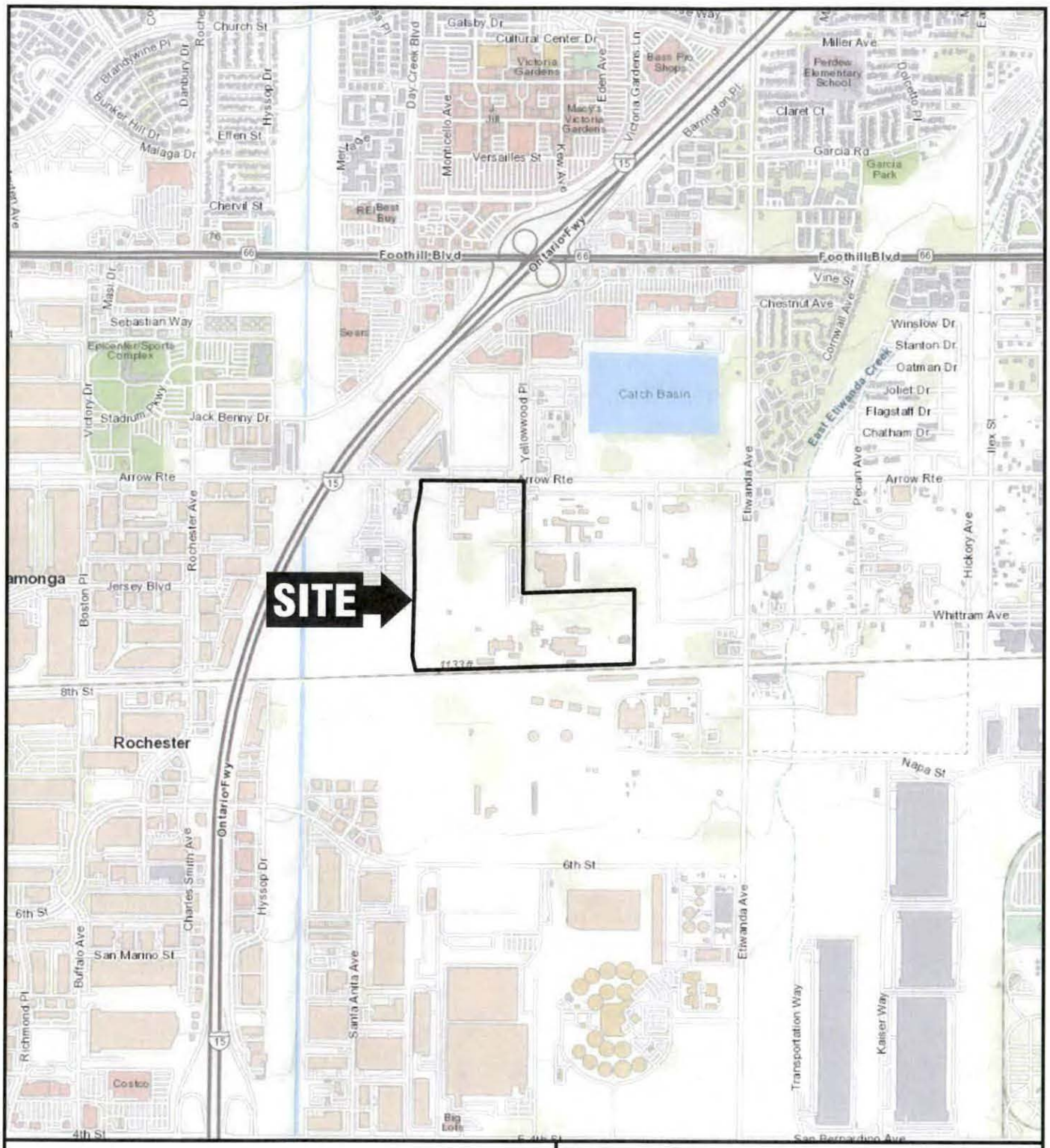
Table 2
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Date Sampled	TPH (C5-C10) Gasoline	TPH (C10-C24) Diesel Range
	Analytical Method	USEPA Method 8015M	
	Unit	milligrams per kilogram (mg/Kg)	
SFBRWQCB ESLs - Commercial/Industrial Shallow Soil		2,000	1,200
UST-1	12/6/2022	<3.0	**170**
UST-2	12/6/2022	<3.0	<10
SS-1	12/12/2022	<3.0	**5,100**

Notes:
TPH = Total Petroleum Hydrocarbons
USEPA = United States Environmental Protection Agency
mg/kg = milligrams per kilogram
Bold indicates that value exceeds laboratory reporting limit
<X = analyte not detected above laboratory reporting limit
SFBRWQCB ESL = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels for Soil (January 2019) Rev. 2
Concentration exceeds screening level.

FIGURES

1. Site Location Map
2. Site Plan
3. UST Site Plan and Confirmation Soil Sample Locations



LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

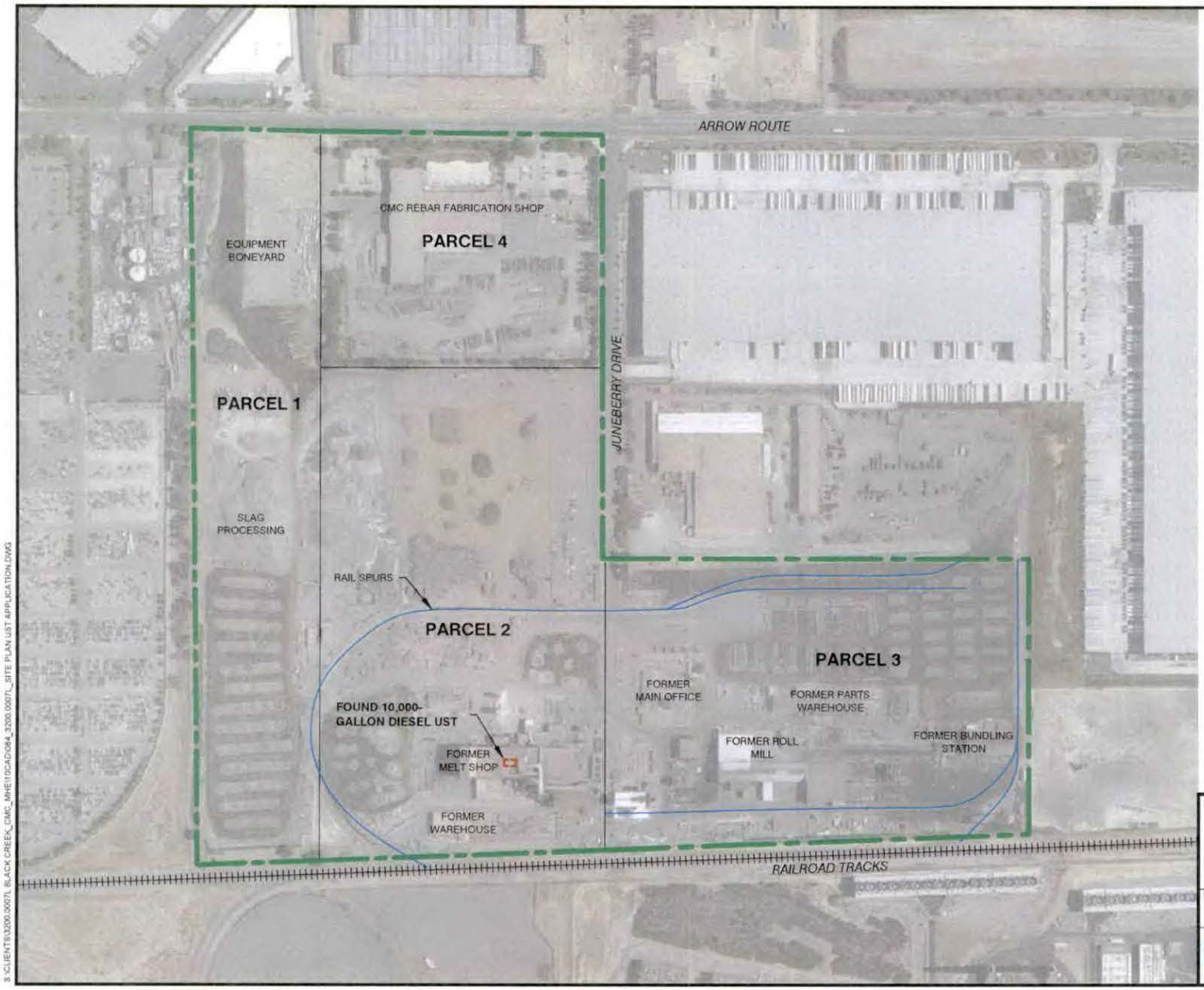
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: M.J.N.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1

S:\GIS\PROJECTS\3200\0007L\100\3200.0007L100.0.MXD



LEGEND

PROPERTY BOUNDARY

FOUND DIESEL UNDERGROUND STORAGE TANK (UST)

N

300' 0 300'

Title

SITE PLAN

12459 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

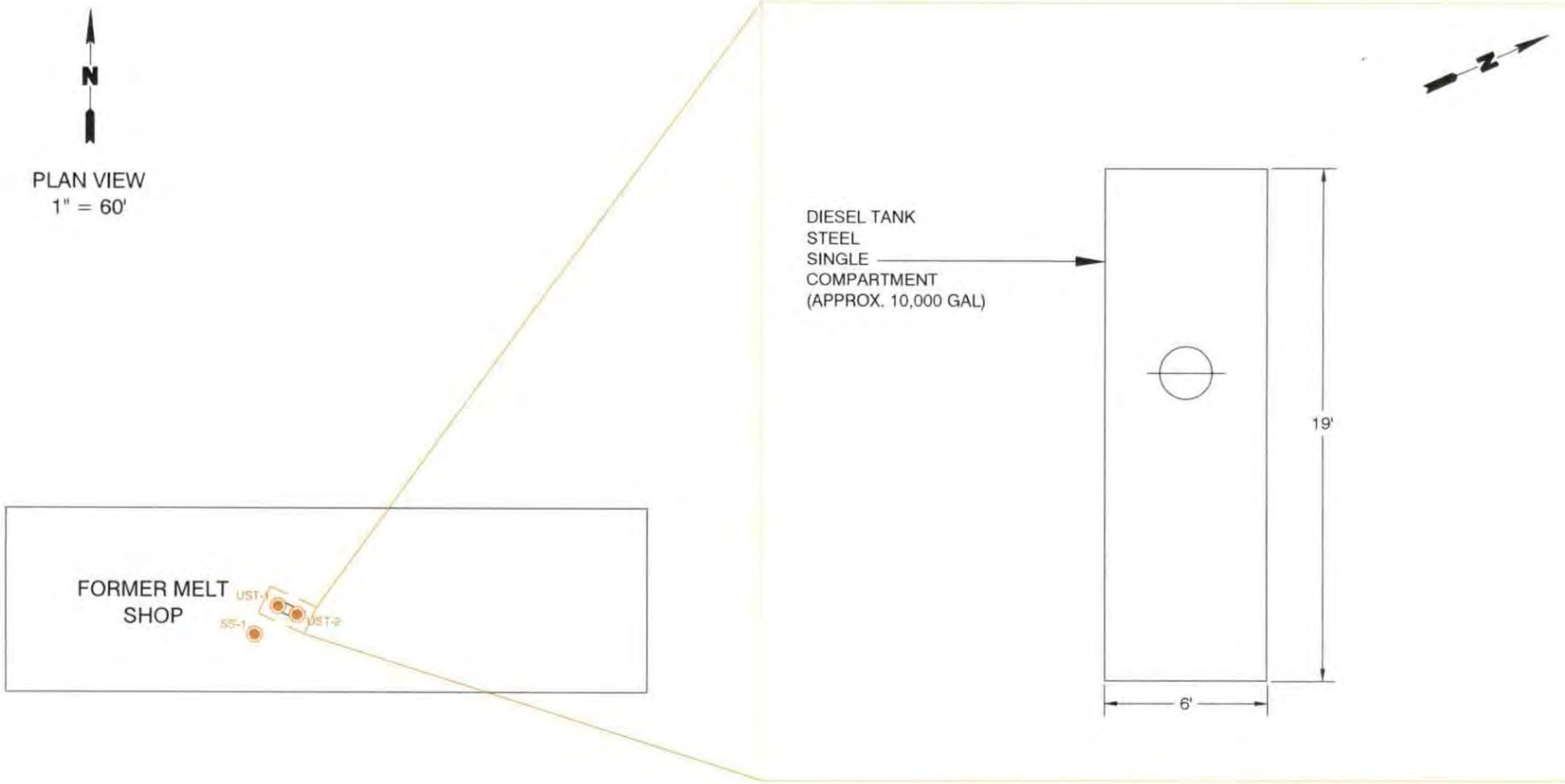
Prepared for

BTC III ARROW ROUTE CC LP

ROUX

Compiled by C.J.	Date 25 APR 2023	FIGURE
Prepared by D.Z.	Scale 1" = 300'	2
Project Mgr P.S.	Project 3200.0007L	
File 084_3200.0007L_SITE PLAN UST APPLICATION.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE110CAD\084_3200.0007L_SITE PLAN UST APPLICATION.DWG



LEGEND

SOIL SAMPLE LOCATION

Title

UST SITE PLAN AND CONFIRMATION SAMPLE LOCATIONS

12459 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: O.Z.	Date: 1 MAY 2023	FIGURE
Prepared by: O.Z.	Scale: AS SHOWN	3
Project Mgr: P.S.	Project: 3200.0007L	
File: 085_3200.0007L_UST DIAGRAM.DWG		

J:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\110CAD\085_3200.0007L_UST DIAGRAM.DWG

APPENDICES

A. Laboratory Analytical Results

B. Tank Contents Hazardous Waste Disposal Manifest

C. San Bernardino County Fire Protection District UST Closure Permit

D. Rancho Cucamonga Fire Protection District Permit to Abandon/Remove Hazardous Materials Storage Tank

E. San Bernardino County Fire Protection District UST Removal Inspection Report

F. Tank Rinsate Hazardous Waste Manifest

G. Hazardous Waste Tank Closure Certification

H. UST Recycling Receipt

I. Photographic Log

APPENDIX A

Laboratory Analytical Results

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 482845
Report Level: II
Report Date: 04/10/2023

Analytical Report *prepared for:*

Peter Shimer
Roux Associates, Inc.
5150 E. Pacific Coast Hwy.
Suite 450
Long Beach, CA 90804

Location: BTC III - CMC, 3200.0007L

Authorized for release by:

Diane Galvan

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Peter Shimer Roux Associates, Inc. 5150 E. Pacific Coast Hwy. Suite 450 Long Beach, CA 90804		Lab Job #: Location: Date Received:	482845 BTC III - CMC, 3200.0007L 04/05/23

Sample ID	Lab ID	Collected	Matrix
UFS- II	482845-001	04/05/23 10:50	Water

ENTHALPY ANALYTICAL

Case Narrative

Roux Associates, Inc. 5150 E. Pacific Coast Hwy. Suite 450 Long Beach, CA 90804 Peter Shimer	Lab Job Number: 482845 Location: BTC III - CMC, 3200.0007L Date Received: 04/05/23

This data package contains sample and QC results for one water sample, requested for the above referenced project on 04/05/23. The sample was received cold and intact.

TPH-Extractables by GC (EPA 8015B):

- UFS- II (lab # 482845-001) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- UFS- II (lab # 482845-001) was diluted due to high hydrocarbons.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):

- Low recoveries were observed for a number of analytes in the MS/MSD of UFS- II (lab # 482845-001); the LCS was within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 538-1209 Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	Lab No: 482845 Page: 1 of 1 Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Standard: 2 Day: X 4 Day: 24 Hr. 3 Day: Same Day: Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Roux Associates	Name:	BTC III - CMC
Report To:	Peter Shimer	Number:	3200.0007L
Email:	pshimer@rouxinc.com	P.O. #:	
Address:	5150 Pacifc Coast Highway, Suite 450	Address:	12451 Arrow Route
	Long Beach, CA 90804		Rancho Cucamonga, CA
Phone:	310-879-4929	Global ID:	
Cell:	925-818-6276	Sampled By:	Ian Cross

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs by 8260B/5035	TPC-CC by 8015M (C6 to C44)	Title 22 Metals by 6010B/7471	Voc by 8269B	PCBs by 8082	Test Instructions / Comments
											48 hr. TAT
											2.0/7.4
UFS-11	4-5-23	1050	Water	3 VOA/250mL 1-Liter	Varied		X	X		X	water with LNAP

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Ian Cross	Ian Cross	Roux/Proj Geologist	4-5-23 / 1535
[1] Received By:		Angelica Sandoval	EA	4/5/23 1535
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Roux Associates Project: BTC - III CMC

Date Received: 4/5/23 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	X		
Are sample IDs present?	X		
Are sampling dates & times present?	X		
Is a relinquished signature present?	X		
Are the tests required clearly indicated on the COC?	X		
Are custody seals present?		X	
If custody seals are present, were they intact?			X
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			X
Did all samples arrive intact? If no, indicate in Section 4 below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were the samples collected in the correct containers for the required tests?	X		
Are the containers labeled with the correct preservatives?	X		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		X	
Was a sufficient amount of sample submitted for the requested tests?	X		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 4/5/23

ENTHALPY ANALYTICAL

Analysis Results for 482845

Peter Shimer
Roux Associates, Inc.
5150 E. Pacific Coast Hwy.
Suite 450
Long Beach, CA 90804

Lab Job #: 482845
Location: BTC III - CMC, 3200.0007L
Date Received: 04/05/23

Sample ID: UFS- II **Lab ID: 482845-001** **Collected: 04/05/23 10:50**
Matrix: Water

482845-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A									
Antimony	ND		mg/L	0.030	1	311216	04/06/23	04/07/23	SBW
Arsenic	**0.057**		mg/L	0.010	1	311216	04/06/23	04/07/23	SBW
Barium	**1.1**		mg/L	0.010	1	311216	04/06/23	04/07/23	SBW
Beryllium	ND		mg/L	0.0050	1	311216	04/06/23	04/07/23	SBW
Cadmium	**0.014**		mg/L	0.0050	1	311216	04/06/23	04/07/23	SBW
Chromium	**0.22**		mg/L	0.010	1	311216	04/06/23	04/07/23	SBW
Cobalt	**0.10**		mg/L	0.0050	1	311216	04/06/23	04/07/23	SBW
Copper	**1.4**		mg/L	0.010	1	311216	04/06/23	04/07/23	SBW
Lead	**0.45**		mg/L	0.010	1	311216	04/06/23	04/07/23	SBW
Molybdenum	**0.028**		mg/L	0.010	1	311216	04/06/23	04/07/23	SBW
Nickel	**0.14**		mg/L	0.010	1	311216	04/06/23	04/07/23	SBW
Selenium	ND		mg/L	0.030	1	311216	04/06/23	04/07/23	SBW
Silver	**0.0067**		mg/L	0.0050	1	311216	04/06/23	04/07/23	SBW
Thallium	ND		mg/L	0.030	1	311216	04/06/23	04/07/23	SBW
Vanadium	**0.20**		mg/L	0.010	1	311216	04/06/23	04/07/23	SBW
Zinc	**47**		mg/L	0.50	10	311216	04/06/23	04/10/23	SBW
Method: EPA 7470A Prep Method: METHOD									
Mercury	**0.65**		ug/L	0.40	1	311291	04/07/23	04/07/23	KAM
Method: EPA 8015B Prep Method: EPA 3510C									
GRO C6-C10	ND		mg/L	3,600	12000	311201	04/06/23	04/07/23	SME
DRO C10-C28	**17,000**		mg/L	1,200	12000	311201	04/06/23	04/07/23	SME
ORO C28-C44	ND		mg/L	3,600	12000	311201	04/06/23	04/07/23	SME
Surrogates				**Limits**					
n-Triacontane		DO	%REC	35-130	12000	311201	04/06/23	04/07/23	SME
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Freon 12	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Chloromethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Vinyl Chloride	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Bromomethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Chloroethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482845

482845-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Acetone	ND		ug/L	10,000	100	311192	04/06/23	04/06/23	ILK
Freon 113	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,1-Dichloroethene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Methylene Chloride	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
MTBE	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
trans-1,2-Dichloroethene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,1-Dichloroethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
2-Butanone	ND		ug/L	10,000	100	311192	04/06/23	04/06/23	ILK
cis-1,2-Dichloroethene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
2,2-Dichloropropane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Chloroform	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Bromochloromethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,1,1-Trichloroethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,1-Dichloropropene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Carbon Tetrachloride	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,2-Dichloroethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Benzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Trichloroethene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,2-Dichloropropane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Bromodichloromethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Dibromomethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
4-Methyl-2-Pentanone	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
cis-1,3-Dichloropropene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Toluene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
trans-1,3-Dichloropropene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,1,2-Trichloroethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,3-Dichloropropane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Tetrachloroethene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Dibromochloromethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,2-Dibromoethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Chlorobenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Ethylbenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
m,p-Xylenes	ND		ug/L	1,000	100	311192	04/06/23	04/06/23	ILK
o-Xylene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Styrene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Bromoform	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Isopropylbenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,2,3-Trichloropropane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Propylbenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Bromobenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,3,5-Trimethylbenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
2-Chlorotoluene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
4-Chlorotoluene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK

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Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482845

482845-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,2,4-Trimethylbenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
sec-Butylbenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
para-Isopropyl Toluene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,3-Dichlorobenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,4-Dichlorobenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
n-Butylbenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,2-Dichlorobenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,2,4-Trichlorobenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Hexachlorobutadiene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Naphthalene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
1,2,3-Trichlorobenzene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
cis-1,4-Dichloro-2-butene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
trans-1,4-Dichloro-2-butene	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Xylene (total)	ND		ug/L	500	100	311192	04/06/23	04/06/23	ILK
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-140	100	311192	04/06/23	04/06/23	ILK
1,2-Dichloroethane-d4	93%		%REC	70-140	100	311192	04/06/23	04/06/23	ILK
Toluene-d8	123%		%REC	70-140	100	311192	04/06/23	04/06/23	ILK
Bromofluorobenzene	99%		%REC	70-140	100	311192	04/06/23	04/06/23	ILK

DO Diluted Out
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056736	Batch: 311216
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1056736 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/L	0.030	04/06/23	04/07/23
Arsenic	ND		mg/L	0.010	04/06/23	04/07/23
Barium	ND		mg/L	0.010	04/06/23	04/07/23
Beryllium	ND		mg/L	0.0050	04/06/23	04/07/23
Cadmium	ND		mg/L	0.0050	04/06/23	04/07/23
Chromium	ND		mg/L	0.010	04/06/23	04/07/23
Cobalt	ND		mg/L	0.0050	04/06/23	04/07/23
Copper	ND		mg/L	0.010	04/06/23	04/07/23
Lead	ND		mg/L	0.010	04/06/23	04/07/23
Molybdenum	ND		mg/L	0.010	04/06/23	04/07/23
Nickel	ND		mg/L	0.010	04/06/23	04/07/23
Selenium	ND		mg/L	0.030	04/06/23	04/07/23
Silver	ND		mg/L	0.0050	04/06/23	04/07/23
Thallium	ND		mg/L	0.030	04/06/23	04/07/23
Vanadium	ND		mg/L	0.010	04/06/23	04/07/23
Zinc	ND		mg/L	0.050	04/06/23	04/07/23

Type: Lab Control Sample	Lab ID: QC1056737	Batch: 311216
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1056737 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.4155	0.4000	mg/L	104%		80-120
Arsenic	0.4161	0.4000	mg/L	104%		80-120
Barium	0.4350	0.4000	mg/L	109%		80-120
Beryllium	0.3565	0.4000	mg/L	89%		80-120
Cadmium	0.3985	0.4000	mg/L	100%		80-120
Chromium	0.4661	0.4000	mg/L	117%		80-120
Cobalt	0.4522	0.4000	mg/L	113%		80-120
Copper	0.4224	0.4000	mg/L	106%		80-120
Lead	0.4525	0.4000	mg/L	113%		80-120
Molybdenum	0.4435	0.4000	mg/L	111%		80-120
Nickel	0.4648	0.4000	mg/L	116%		80-120
Selenium	0.3811	0.4000	mg/L	95%		80-120
Silver	0.2043	0.2000	mg/L	102%		80-120
Thallium	0.4439	0.4000	mg/L	111%		80-120
Vanadium	0.4512	0.4000	mg/L	113%		80-120
Zinc	0.4415	0.4000	mg/L	110%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056738**	**Batch:**	**311216**
Matrix (Source ID):	**Water (482845-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3010A**

QC1056738 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.2914	0.007395	0.4000	mg/L	71%	*	75-125	1
Arsenic	0.4809	0.05667	0.4000	mg/L	106%		75-125	1
Barium	1.583	1.138	0.4000	mg/L	111%		75-125	1
Beryllium	0.3515	ND	0.4000	mg/L	88%		75-125	1
Cadmium	0.4328	0.01419	0.4000	mg/L	105%		75-125	1
Chromium	0.6515	0.2228	0.4000	mg/L	107%		75-125	1
Cobalt	0.5319	0.1027	0.4000	mg/L	107%		75-125	1
Copper	1.673	1.419	0.4000	mg/L	64%	*	75-125	1
Lead	0.8090	0.4493	0.4000	mg/L	90%		75-125	1
Molybdenum	0.4347	0.02814	0.4000	mg/L	102%		75-125	1
Nickel	0.5716	0.1423	0.4000	mg/L	107%		75-125	1
Selenium	0.3681	0.003332	0.4000	mg/L	91%		75-125	1
Silver	0.2115	0.006663	0.2000	mg/L	102%		75-125	1
Thallium	0.3019	ND	0.4000	mg/L	75%		75-125	1
Vanadium	0.6266	0.1952	0.4000	mg/L	108%		75-125	1
Zinc	47.37	47.41	0.4000	mg/L	-12%	NM	75-125	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056739**	**Batch:**	**311216**
Matrix (Source ID):	**Water (482845-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3010A**

QC1056739 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.2783	0.007395	0.4000	mg/L	68%	*	75-125	5	20	1
Arsenic	0.4525	0.05667	0.4000	mg/L	99%		75-125	6	20	1
Barium	1.470	1.138	0.4000	mg/L	83%		75-125	7	20	1
Beryllium	0.3455	ND	0.4000	mg/L	86%		75-125	2	20	1
Cadmium	0.4188	0.01419	0.4000	mg/L	101%		75-125	3	20	1
Chromium	0.6029	0.2228	0.4000	mg/L	95%		75-125	8	20	1
Cobalt	0.4923	0.1027	0.4000	mg/L	97%		75-125	8	20	1
Copper	1.622	1.419	0.4000	mg/L	51%	*	75-125	3	20	1
Lead	0.7207	0.4493	0.4000	mg/L	68%	*	75-125	12	20	1
Molybdenum	0.4069	0.02814	0.4000	mg/L	95%		75-125	7	20	1
Nickel	0.5304	0.1423	0.4000	mg/L	97%		75-125	7	20	1
Selenium	0.3424	0.003332	0.4000	mg/L	85%		75-125	7	20	1
Silver	0.2076	0.006663	0.2000	mg/L	100%		75-125	2	20	1
Thallium	0.2785	ND	0.4000	mg/L	70%	*	75-125	8	20	1
Vanadium	0.5993	0.1952	0.4000	mg/L	101%		75-125	4	20	1
Zinc	43.61	47.41	0.4000	mg/L	-950%	NM	75-125	8	20	10

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056947	Batch: 311291
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1056947 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	04/07/23	04/07/23

Type: Lab Control Sample	Lab ID: QC1056948	Batch: 311291
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1056948 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.622	5.000	ug/L	92%		80-120

Type: Matrix Spike	Lab ID: QC1056949	Batch: 311291
Matrix (Source ID): Water (482854-007)	Method: EPA 7470A	Prep Method: METHOD

QC1056949 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.610	ND	5.000	ug/L	92%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1056950	Batch: 311291
Matrix (Source ID): Water (482854-007)	Method: EPA 7470A	Prep Method: METHOD

QC1056950 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.626	ND	5.000	ug/L	93%		75-125	0	20	1

Type: Blank	Lab ID: QC1056692	Batch: 311201
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1056692 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
GRO C6-C10	ND		mg/L	0.30	04/06/23	04/06/23
DRO C10-C28	ND		mg/L	0.10	04/06/23	04/06/23
ORO C28-C44	ND		mg/L	0.30	04/06/23	04/06/23
Surrogates				**Limits**		
n-Triacontane	61%		%REC	35-130	04/06/23	04/06/23

Type: Lab Control Sample	Lab ID: QC1056693	Batch: 311201
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1056693 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.5089	1.000	mg/L	51%		42-120
Surrogates						
n-Triacontane	0.01080	0.02000	mg/L	54%		35-130

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1056694	Batch: 311201
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1056694 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.5288	1.000	mg/L	53%		42-120	4	36
Surrogates								
n-Triacontane	0.01121	0.02000	mg/L	56%		35-130		

Type: Lab Control Sample	Lab ID: QC1056651	Batch: 311192
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1056651 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	44.68	50.00	ug/L	89%		70-135
MTBE	46.82	50.00	ug/L	94%		70-130
Benzene	46.60	50.00	ug/L	93%		70-130
Trichloroethene	56.64	50.00	ug/L	113%		70-130
Toluene	50.67	50.00	ug/L	101%		70-130
Chlorobenzene	51.29	50.00	ug/L	103%		70-130
Surrogates						
Dibromofluoromethane	52.78	50.00	ug/L	106%		70-140
1,2-Dichloroethane-d4	47.40	50.00	ug/L	95%		70-140
Toluene-d8	53.41	50.00	ug/L	107%		70-140
Bromofluorobenzene	47.17	50.00	ug/L	94%		70-140

Type: Lab Control Sample Duplicate	Lab ID: QC1056652	Batch: 311192
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1056652 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.69	50.00	ug/L	89%		70-135	0	30
MTBE	48.60	50.00	ug/L	97%		70-130	4	30
Benzene	46.99	50.00	ug/L	94%		70-130	1	30
Trichloroethene	57.55	50.00	ug/L	115%		70-130	2	30
Toluene	51.37	50.00	ug/L	103%		70-130	1	30
Chlorobenzene	51.10	50.00	ug/L	102%		70-130	0	30
Surrogates								
Dibromofluoromethane	52.18	50.00	ug/L	104%		70-140		
1,2-Dichloroethane-d4	47.44	50.00	ug/L	95%		70-140		
Toluene-d8	55.06	50.00	ug/L	110%		70-140		
Bromofluorobenzene	46.72	50.00	ug/L	93%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1056655	**Batch:** 311192
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B

QC1056655 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	04/06/23	04/06/23
Freon 12	ND		ug/L	5.0	04/06/23	04/06/23
Chloromethane	ND		ug/L	5.0	04/06/23	04/06/23
Vinyl Chloride	ND		ug/L	5.0	04/06/23	04/06/23
Bromomethane	ND		ug/L	5.0	04/06/23	04/06/23
Chloroethane	ND		ug/L	5.0	04/06/23	04/06/23
Trichlorofluoromethane	ND		ug/L	5.0	04/06/23	04/06/23
Acetone	ND		ug/L	100	04/06/23	04/06/23
Freon 113	ND		ug/L	5.0	04/06/23	04/06/23
1,1-Dichloroethene	ND		ug/L	5.0	04/06/23	04/06/23
Methylene Chloride	ND		ug/L	5.0	04/06/23	04/06/23
MTBE	ND		ug/L	5.0	04/06/23	04/06/23
trans-1,2-Dichloroethene	ND		ug/L	5.0	04/06/23	04/06/23
1,1-Dichloroethane	ND		ug/L	5.0	04/06/23	04/06/23
2-Butanone	ND		ug/L	100	04/06/23	04/06/23
cis-1,2-Dichloroethene	ND		ug/L	5.0	04/06/23	04/06/23
2,2-Dichloropropane	ND		ug/L	5.0	04/06/23	04/06/23
Chloroform	ND		ug/L	5.0	04/06/23	04/06/23
Bromochloromethane	ND		ug/L	5.0	04/06/23	04/06/23
1,1,1-Trichloroethane	ND		ug/L	5.0	04/06/23	04/06/23
1,1-Dichloropropene	ND		ug/L	5.0	04/06/23	04/06/23
Carbon Tetrachloride	ND		ug/L	5.0	04/06/23	04/06/23
1,2-Dichloroethane	ND		ug/L	5.0	04/06/23	04/06/23
Benzene	ND		ug/L	5.0	04/06/23	04/06/23
Trichloroethene	ND		ug/L	5.0	04/06/23	04/06/23
1,2-Dichloropropane	ND		ug/L	5.0	04/06/23	04/06/23
Bromodichloromethane	ND		ug/L	5.0	04/06/23	04/06/23
Dibromomethane	ND		ug/L	5.0	04/06/23	04/06/23
4-Methyl-2-Pentanone	ND		ug/L	5.0	04/06/23	04/06/23
cis-1,3-Dichloropropene	ND		ug/L	5.0	04/06/23	04/06/23
Toluene	ND		ug/L	5.0	04/06/23	04/06/23
trans-1,3-Dichloropropene	ND		ug/L	5.0	04/06/23	04/06/23
1,1,2-Trichloroethane	ND		ug/L	5.0	04/06/23	04/06/23
1,3-Dichloropropane	ND		ug/L	5.0	04/06/23	04/06/23
Tetrachloroethene	ND		ug/L	5.0	04/06/23	04/06/23
Dibromochloromethane	ND		ug/L	5.0	04/06/23	04/06/23
1,2-Dibromoethane	ND		ug/L	5.0	04/06/23	04/06/23
Chlorobenzene	ND		ug/L	5.0	04/06/23	04/06/23
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	04/06/23	04/06/23
Ethylbenzene	ND		ug/L	5.0	04/06/23	04/06/23
m,p-Xylenes	ND		ug/L	10	04/06/23	04/06/23
o-Xylene	ND		ug/L	5.0	04/06/23	04/06/23

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Batch QC

QC1056655 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Styrene	ND		ug/L	5.0	04/06/23	04/06/23
Bromoform	ND		ug/L	5.0	04/06/23	04/06/23
Isopropylbenzene	ND		ug/L	5.0	04/06/23	04/06/23
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	04/06/23	04/06/23
1,2,3-Trichloropropane	ND		ug/L	5.0	04/06/23	04/06/23
Propylbenzene	ND		ug/L	5.0	04/06/23	04/06/23
Bromobenzene	ND		ug/L	5.0	04/06/23	04/06/23
1,3,5-Trimethylbenzene	ND		ug/L	5.0	04/06/23	04/06/23
2-Chlorotoluene	ND		ug/L	5.0	04/06/23	04/06/23
4-Chlorotoluene	ND		ug/L	5.0	04/06/23	04/06/23
tert-Butylbenzene	ND		ug/L	5.0	04/06/23	04/06/23
1,2,4-Trimethylbenzene	ND		ug/L	5.0	04/06/23	04/06/23
sec-Butylbenzene	ND		ug/L	5.0	04/06/23	04/06/23
para-Isopropyl Toluene	ND		ug/L	5.0	04/06/23	04/06/23
1,3-Dichlorobenzene	ND		ug/L	5.0	04/06/23	04/06/23
1,4-Dichlorobenzene	ND		ug/L	5.0	04/06/23	04/06/23
n-Butylbenzene	ND		ug/L	5.0	04/06/23	04/06/23
1,2-Dichlorobenzene	ND		ug/L	5.0	04/06/23	04/06/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	04/06/23	04/06/23
1,2,4-Trichlorobenzene	ND		ug/L	5.0	04/06/23	04/06/23
Hexachlorobutadiene	ND		ug/L	5.0	04/06/23	04/06/23
Naphthalene	ND		ug/L	5.0	04/06/23	04/06/23
1,2,3-Trichlorobenzene	ND		ug/L	5.0	04/06/23	04/06/23
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	04/06/23	04/06/23
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	04/06/23	04/06/23
Xylene (total)	ND		ug/L	5.0	04/06/23	04/06/23
Surrogates				**Limits**		
Dibromofluoromethane	103%		%REC	70-140	04/06/23	04/06/23
1,2-Dichloroethane-d4	96%		%REC	70-140	04/06/23	04/06/23
Toluene-d8	120%		%REC	70-140	04/06/23	04/06/23
Bromofluorobenzene	96%		%REC	70-140	04/06/23	04/06/23

* Value is outside QC limits
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 487720
Report Level: II
Report Date: 07/12/2023

Analytical Report *prepared for:*

Peter Shimer
Roux Associates, Inc.
5150 E. Pacific Coast Hwy.
Suite 450
Long Beach, CA 90804

Project: CMC - BTC III - CMC, 3200.0007L

Authorized for release by:

Diane Galvan

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

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Sample Summary

Peter Shimer
Roux Associates, Inc.
5150 E. Pacific Coast Hwy.
Suite 450
Long Beach, CA 90804

Lab Job #: 487720
Project No: CMC
Location: BTC III - CMC, 3200.0007L
Date Received: 06/29/23

Sample ID	Lab ID	Collected	Matrix
UST-1	487720-001	06/28/23 13:12	Soil
UST-2	487720-002	06/28/23 13:16	Soil
SS-1	487720-003	06/28/23 13:18	Soil

ENTHALPY ANALYTICAL

Case Narrative

Roux Associates, Inc. 5150 E. Pacific Coast Hwy. Suite 450 Long Beach, CA 90804 Peter Shimer	Lab Job Number: 487720 Project No: CMC Location: BTC III - CMC, 3200.0007L Date Received: 06/29/23

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 06/29/23. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- SS-1 (lab # 487720-003) was diluted due to high hydrocarbons.
- No other analytical problems were encountered.

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Chain of Custody Record

Lab No: 487720

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Roux Associates	Name:	BTC III - CMC
Report To:	Peter Shimer	Number:	3200.0007L
Email:	pshimer@rouxinc.com	P.O. #:	
Address:	5150 E Pacific Coast Highway Suite 450	Address:	12451 Arrow Route
	Long Beach, CA 90804		Rancho Cucamonga, CA
Phone:	310-879-4929	Global ID:	
Fax:	915-818-6276	Sampled By:	John Cameron, Peter Shimer

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH (Gas Range C5-C10) 8015B	TPH (Diesel Range C10-C24) 8015B	BTEX (8260B)	Naphthalene, MTBE, TBA (8260B)	Test Instructions / Comments
1	UST-1	06/28/23	1312	Soil	4/misc	misc	X	X	X	X	
2	UST-2	06/28/23	1316	Soil	4/misc	misc	X	X	X	X	
3	SS-1	06/28/23	1318	Soil	4/misc	misc	X	X	X	X	
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Peter Shimer	Peter Shimer	Roux	6-29-23 / 1242
1 Received By:	Don Sampson	Don Sampson	eq	6-29-23 1242
2 Relinquished By:	Don Sampson	Don Sampson	eq	6-29-23 1430
2 Received By:	Angelica Smallcomb	Angelica Smallcomb	EA	6/29/23 1430
3 Relinquished By:				
3 Received By:				

5.8/08

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Roux Associates Project: BTC III - CMC

Date Received: 6/29/23 Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [X] Yes, How many? 1 [ ] No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [X] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 0.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	X		
Are sample IDs present?	X		
Are sampling dates & times present?	X		
Is a relinquished signature present?	X		
Are the tests required clearly indicated on the COC?	X		
Are custody seals present?		X	
If custody seals are present, were they intact?			X
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			X
Did all samples arrive intact? If no, indicate in Section 4 below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were the samples collected in the correct containers for the required tests?	X		
Are the containers labeled with the correct preservatives?	X		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			X
Was a sufficient amount of sample submitted for the requested tests?	X		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 6/29/23

ENTHALPY ANALYTICAL

Analysis Results for 487720

Peter Shimer
Roux Associates, Inc.
5150 E. Pacific Coast Hwy.
Suite 450
Long Beach, CA 90804

Lab Job #: 487720
Project No: CMC
Location: BTC III - CMC, 3200.0007L
Date Received: 06/29/23

Sample ID: UST-1 **Lab ID: 487720-001** **Collected: 06/28/23 13:12**
Matrix: Soil

487720-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5030B									
TPH (C5-C10)	ND		mg/Kg	3.0	1	317458	07/05/23	07/05/23	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	83%		%REC	60-140	1	317458	07/05/23	07/05/23	SXR
Method: EPA 8015M Prep Method: EPA 3580M									
TPH (C10-C24)	**170**		mg/Kg	10	1	317347	06/30/23	07/01/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	1	317347	06/30/23	07/01/23	SME
Method: EPA 8260B Prep Method: EPA 5035									
tert-Butyl Alcohol (TBA)	**14**		ug/Kg	8.8	0.84	317529	07/06/23	07/06/23	EJB
MTBE	ND		ug/Kg	4.2	0.84	317529	07/06/23	07/06/23	EJB
Benzene	ND		ug/Kg	4.2	0.84	317529	07/06/23	07/06/23	EJB
Toluene	ND		ug/Kg	4.2	0.84	317529	07/06/23	07/06/23	EJB
Ethylbenzene	ND		ug/Kg	4.2	0.84	317529	07/06/23	07/06/23	EJB
m,p-Xylenes	ND		ug/Kg	8.4	0.84	317529	07/06/23	07/06/23	EJB
o-Xylene	ND		ug/Kg	4.2	0.84	317529	07/06/23	07/06/23	EJB
Naphthalene	ND		ug/Kg	4.2	0.84	317529	07/06/23	07/06/23	EJB
Xylene (total)	ND		ug/Kg	4.2	0.84	317529	07/06/23	07/06/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	106%		%REC	70-145	0.84	317529	07/06/23	07/06/23	EJB
1,2-Dichloroethane-d4	112%		%REC	70-145	0.84	317529	07/06/23	07/06/23	EJB
Toluene-d8	97%		%REC	70-145	0.84	317529	07/06/23	07/06/23	EJB
Bromofluorobenzene	100%		%REC	70-145	0.84	317529	07/06/23	07/06/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 487720

Sample ID: UST-2	Lab ID: 487720-002	Collected: 06/28/23 13:16
	Matrix: Soil	

487720-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5030B									
TPH (C5-C10)	ND		mg/Kg	3.0	1	317458	07/05/23	07/05/23	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	91%		%REC	60-140	1	317458	07/05/23	07/05/23	SXR
Method: EPA 8015M Prep Method: EPA 3580M									
TPH (C10-C24)	ND		mg/Kg	10	1	317347	06/30/23	07/01/23	BJG
Surrogates				**Limits**					
n-Triacontane	73%		%REC	70-130	1	317347	06/30/23	07/01/23	BJG
Method: EPA 8260B Prep Method: EPA 5035									
tert-Butyl Alcohol (TBA)	ND		ug/Kg	8.9	0.85	317755	07/10/23	07/10/23	ILK
MTBE	ND		ug/Kg	4.3	0.85	317755	07/10/23	07/10/23	ILK
Benzene	ND		ug/Kg	4.3	0.85	317755	07/10/23	07/10/23	ILK
Toluene	ND		ug/Kg	4.3	0.85	317755	07/10/23	07/10/23	ILK
Ethylbenzene	ND		ug/Kg	4.3	0.85	317755	07/10/23	07/10/23	ILK
m,p-Xylenes	ND		ug/Kg	8.5	0.85	317755	07/10/23	07/10/23	ILK
o-Xylene	ND		ug/Kg	4.3	0.85	317755	07/10/23	07/10/23	ILK
Naphthalene	ND		ug/Kg	4.3	0.85	317755	07/10/23	07/10/23	ILK
Xylene (total)	ND		ug/Kg	4.3	0.85	317755	07/10/23	07/10/23	ILK
Surrogates				**Limits**					
Dibromofluoromethane	108%		%REC	70-145	0.85	317755	07/10/23	07/10/23	ILK
1,2-Dichloroethane-d4	116%		%REC	70-145	0.85	317755	07/10/23	07/10/23	ILK
Toluene-d8	101%		%REC	70-145	0.85	317755	07/10/23	07/10/23	ILK
Bromofluorobenzene	101%		%REC	70-145	0.85	317755	07/10/23	07/10/23	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 487720

Sample ID: SS-1	Lab ID: 487720-003	Collected: 06/28/23 13:18
	Matrix: Soil	

487720-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5030B									
TPH (C5-C10)	ND		mg/Kg	3.0	1	317458	07/05/23	07/05/23	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	74%		%REC	60-140	1	317458	07/05/23	07/05/23	SXR
Method: EPA 8015M Prep Method: EPA 3580M									
TPH (C10-C24)	**5,100**		mg/Kg	99	9.9	317347	06/30/23	07/05/23	SME
Surrogates				**Limits**					
n-Triacontane		DO	%REC	70-130	9.9	317347	06/30/23	07/05/23	SME
Method: EPA 8260B Prep Method: EPA 5035									
tert-Butyl Alcohol (TBA)	ND		ug/Kg	450	45	317529	07/06/23	07/06/23	EJB
MTBE	ND		ug/Kg	230	45	317529	07/06/23	07/06/23	EJB
Benzene	ND		ug/Kg	230	45	317529	07/06/23	07/06/23	EJB
Toluene	ND		ug/Kg	230	45	317529	07/06/23	07/06/23	EJB
Ethylbenzene	ND		ug/Kg	230	45	317529	07/06/23	07/06/23	EJB
m,p-Xylenes	ND		ug/Kg	450	45	317529	07/06/23	07/06/23	EJB
o-Xylene	ND		ug/Kg	230	45	317529	07/06/23	07/06/23	EJB
Naphthalene	ND		ug/Kg	230	45	317529	07/06/23	07/06/23	EJB
Xylene (total)	ND		ug/Kg	230	45	317529	07/06/23	07/06/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	101%		%REC	70-145	45	317529	07/06/23	07/06/23	EJB
1,2-Dichloroethane-d4	98%		%REC	70-145	45	317529	07/06/23	07/06/23	EJB
Toluene-d8	103%		%REC	70-145	45	317529	07/06/23	07/06/23	EJB
Bromofluorobenzene	98%		%REC	70-145	45	317529	07/06/23	07/06/23	EJB

DO Diluted Out
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1077577	Batch: 317458
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1077577 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.242	5.000	mg/Kg	105%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2377	0.2000	mg/Kg	119%		60-140

Type: Lab Control Sample Duplicate	Lab ID: QC1077578	Batch: 317458
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1077578 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	5.228	5.000	mg/Kg	105%		70-130	0	20
Surrogates								
Bromofluorobenzene (FID)	0.2225	0.2000	mg/Kg	111%		60-140		

Type: Blank	Lab ID: QC1077579	Batch: 317458
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1077579 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C5-C10)	ND		mg/Kg	75	07/05/23	07/05/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	85%		%REC	60-140	07/05/23	07/05/23

Type: Blank	Lab ID: QC1077580	Batch: 317458
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1077580 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C5-C10)	ND		mg/Kg	3.0	07/05/23	07/05/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	85%		%REC	60-140	07/05/23	07/05/23

Type: Blank	Lab ID: QC1077205	Batch: 317347
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1077205 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C10-C24)	ND		mg/Kg	10	06/30/23	06/30/23
Surrogates				**Limits**		
n-Triacontane	80%		%REC	70-130	06/30/23	06/30/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1077206	Batch: 317347
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1077206 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	250.5	249.4	mg/Kg	100%		76-122
Surrogates						
n-Triacontane	9.795	9.975	mg/Kg	98%		70-130

Type: Matrix Spike	Lab ID: QC1077207	Batch: 317347
Matrix (Source ID): Soil (487691-007)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1077207 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	236.6	34.92	248.5	mg/Kg	81%		62-126	9.9
Surrogates								
n-Triacontane	7.955		9.940	mg/Kg		DO	70-130	9.9

Type: Matrix Spike Duplicate	Lab ID: QC1077208	Batch: 317347
Matrix (Source ID): Soil (487691-007)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1077208 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	255.6	34.92	249.4	mg/Kg	88%		62-126	7	35	10
Surrogates										
n-Triacontane	7.948		9.975	mg/Kg		DO	70-130			10

Type: Lab Control Sample	Lab ID: QC1077787	Batch: 317529
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1077787 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.26	50.00	ug/Kg	107%		70-131
MTBE	50.52	50.00	ug/Kg	101%		69-130
Benzene	50.57	50.00	ug/Kg	101%		70-130
Trichloroethene	54.65	50.00	ug/Kg	109%		70-130
Toluene	52.47	50.00	ug/Kg	105%		70-130
Chlorobenzene	51.04	50.00	ug/Kg	102%		70-130
Surrogates						
Dibromofluoromethane	50.96	50.00	ug/Kg	102%		70-130
1,2-Dichloroethane-d4	48.95	50.00	ug/Kg	98%		70-145
Toluene-d8	51.70	50.00	ug/Kg	103%		70-145
Bromofluorobenzene	53.04	50.00	ug/Kg	106%		70-145

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1077788	Batch: 317529
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1077788 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.70	50.00	ug/Kg	103%		70-131	3	33
MTBE	49.34	50.00	ug/Kg	99%		69-130	2	30
Benzene	49.02	50.00	ug/Kg	98%		70-130	3	30
Trichloroethene	49.89	50.00	ug/Kg	100%		70-130	9	30
Toluene	49.55	50.00	ug/Kg	99%		70-130	6	30
Chlorobenzene	47.42	50.00	ug/Kg	95%		70-130	7	30
Surrogates								
Dibromofluoromethane	51.59	50.00	ug/Kg	103%		70-130		
1,2-Dichloroethane-d4	50.99	50.00	ug/Kg	102%		70-145		
Toluene-d8	50.06	50.00	ug/Kg	100%		70-145		
Bromofluorobenzene	52.39	50.00	ug/Kg	105%		70-145		

Type: Blank	Lab ID: QC1077790	Batch: 317529
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1077790 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
tert-Butyl Alcohol (TBA)	ND		ug/Kg	500	07/06/23	07/06/23
MTBE	ND		ug/Kg	250	07/06/23	07/06/23
Benzene	ND		ug/Kg	250	07/06/23	07/06/23
Toluene	ND		ug/Kg	250	07/06/23	07/06/23
Ethylbenzene	ND		ug/Kg	250	07/06/23	07/06/23
m,p-Xylenes	ND		ug/Kg	500	07/06/23	07/06/23
o-Xylene	ND		ug/Kg	250	07/06/23	07/06/23
Naphthalene	ND		ug/Kg	250	07/06/23	07/06/23
Xylene (total)	ND		ug/Kg	250	07/06/23	07/06/23
Surrogates				**Limits**		
Dibromofluoromethane	99%		%REC	70-130	07/06/23	07/06/23
1,2-Dichloroethane-d4	97%		%REC	70-145	07/06/23	07/06/23
Toluene-d8	104%		%REC	70-145	07/06/23	07/06/23
Bromofluorobenzene	100%		%REC	70-145	07/06/23	07/06/23

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1077791	Batch: 317529
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1077791 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	07/06/23	07/06/23
MTBE	ND		ug/Kg	5.0	07/06/23	07/06/23
Benzene	ND		ug/Kg	5.0	07/06/23	07/06/23
Toluene	ND		ug/Kg	5.0	07/06/23	07/06/23
Ethylbenzene	ND		ug/Kg	5.0	07/06/23	07/06/23
m,p-Xylenes	ND		ug/Kg	10	07/06/23	07/06/23
o-Xylene	ND		ug/Kg	5.0	07/06/23	07/06/23
Naphthalene	ND		ug/Kg	5.0	07/06/23	07/06/23
Xylene (total)	ND		ug/Kg	5.0	07/06/23	07/06/23
Surrogates				**Limits**		
Dibromofluoromethane	103%		%REC	70-130	07/06/23	07/06/23
1,2-Dichloroethane-d4	103%		%REC	70-145	07/06/23	07/06/23
Toluene-d8	104%		%REC	70-145	07/06/23	07/06/23
Bromofluorobenzene	104%		%REC	70-145	07/06/23	07/06/23

Type: Blank	Lab ID: QC1078569	Batch: 317755
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1078569 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	07/10/23	07/10/23
MTBE	ND		ug/Kg	5.0	07/10/23	07/10/23
Benzene	ND		ug/Kg	5.0	07/10/23	07/10/23
Toluene	ND		ug/Kg	5.0	07/10/23	07/10/23
Ethylbenzene	ND		ug/Kg	5.0	07/10/23	07/10/23
m,p-Xylenes	ND		ug/Kg	10	07/10/23	07/10/23
o-Xylene	ND		ug/Kg	5.0	07/10/23	07/10/23
Naphthalene	ND		ug/Kg	5.0	07/10/23	07/10/23
Xylene (total)	ND		ug/Kg	5.0	07/10/23	07/10/23
Surrogates				**Limits**		
Dibromofluoromethane	103%		%REC	70-130	07/10/23	07/10/23
1,2-Dichloroethane-d4	103%		%REC	70-145	07/10/23	07/10/23
Toluene-d8	104%		%REC	70-145	07/10/23	07/10/23
Bromofluorobenzene	98%		%REC	70-145	07/10/23	07/10/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1078570	Batch: 317755
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1078570 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.33	50.00	ug/Kg	107%		70-131
MTBE	44.69	50.00	ug/Kg	89%		69-130
Benzene	44.64	50.00	ug/Kg	89%		70-130
Trichloroethene	58.40	50.00	ug/Kg	117%		70-130
Toluene	48.28	50.00	ug/Kg	97%		70-130
Chlorobenzene	48.43	50.00	ug/Kg	97%		70-130
Surrogates						
Dibromofluoromethane	53.29	50.00	ug/Kg	107%		70-130
1,2-Dichloroethane-d4	48.71	50.00	ug/Kg	97%		70-145
Toluene-d8	52.39	50.00	ug/Kg	105%		70-145
Bromofluorobenzene	50.15	50.00	ug/Kg	100%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1078571	Batch: 317755
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1078571 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.84	50.00	ug/Kg	104%		70-131	3	33
MTBE	45.47	50.00	ug/Kg	91%		69-130	2	30
Benzene	43.33	50.00	ug/Kg	87%		70-130	3	30
Trichloroethene	57.20	50.00	ug/Kg	114%		70-130	2	30
Toluene	46.95	50.00	ug/Kg	94%		70-130	3	30
Chlorobenzene	47.39	50.00	ug/Kg	95%		70-130	2	30
Surrogates								
Dibromofluoromethane	52.84	50.00	ug/Kg	106%		70-130		
1,2-Dichloroethane-d4	48.44	50.00	ug/Kg	97%		70-145		
Toluene-d8	52.57	50.00	ug/Kg	105%		70-145		
Bromofluorobenzene	50.08	50.00	ug/Kg	100%		70-145		

DO Diluted Out
ND Not Detected

Tank Contents Hazardous Waste Disposal Manifest

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAD982361404
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 025090583 JJK

GENERATOR

5. Generator's Name and Mailing Address:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR ST STE 625
NEWPORT BEACH CA 92660
Generator's Phone: 303 953-3847

Generator's Site Address (if different than mailing address):
12459-B ARROW ROUTE
RANCHO CUCAMONGA CA 91739

6. Transporter 1 Company Name: WORLD OIL ENVIRONMENTAL SERVICES
U.S. EPA ID Number: CAD028277036

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
WORLD OIL RECYCLING
2000 NORTH ALAMEDA STREET
COMPTON CA 90222
Facility's Phone: (310)537-7100
U.S. EPA ID Number: CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NON-RCRA HAZARDOUS WASTE, LIQUID (OILY WATER)	001	TT	1400	G	223		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information:
EMERGENCY CONTACT CHEMTREC 1-800-424-9300 WOES TERMINAL COMPTON NAERG# 9B1 171 * PROFILE # 9B1 457025-4/27/23 * APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Agent for BTC III X Jim Ferrante Arrow Route CC LP
Signature: X
Month 05 Day 09 Year 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jose Torres
Signature:
Month 05 Day 09 Year 23

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H039			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: SOPHIE PUN
Signature:
Month 05 Day 10 Year 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

San Bernardino County Fire Protection District UST Closure Permit

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street San Bernardino, CA 92415-0153 (909) 386-8401 Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Section
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Monica S. Ronchetti
Fire Marshal

UST Plan Check Permit

SR0202862

TAMCO
12459 ARROW RTE, B, RANCHO CUCAMONGA, CA 91739
(FA0006582, CERS ID# 10152245)

Permit: **UST Closure**

Approval Date: **June 5, 2023**

Attention: **Daniel Zaragoza (dzaragoza@rouxinc.com)**

The submitted work plan for the above referenced Underground Storage Tank (UST) System has been conditionally approved.

Any other modifications or repairs must have prior approval from this Office. UST systems shall comply with all applicable design, construction, and monitoring requirements described in California Health and Safety Code (CHSC) Chapter 6.7, California Code of Regulations (CCR) Title 23 Chapter 16, and the San Bernardino County Code (SBCC).

SCOPE OF WORK

The conditionally approved scope of work includes (but is not limited to):

- Removal of 4,000 gallon found UST and associated piping.

INSPECTION REQUIREMENTS

The following inspection(s) must be witnessed by this agency:

PRE-FINAL REQUIREMENTS

The following requirements must be met prior to scheduling for a Final Inspection:

- Underground Storage Tank (UST) Closure Requirements included with the removal permit.
- Tank cleaning activities must NOT be conducted more than forty-eight (48) hours prior to the UST Closure Inspection. Failure to abide by this will subject the site to another round of cleaning.
- The attached "Hazardous Waste Tank Closure Notification Form" shall be signed by the individual that will be on site to certify the removal. Complete the attached form and submit to ustclerk@sbcfire.org no less than forty-eight (48) hours prior to tank cleaning/rinsing. Refer to attached instructions for details.
- Cleaning and rinsing activities may go unwitnessed following notification.

FINAL INSPECTION

- Provide rinsate/cleaning documentation to the inspector on site for review.
- The UST owner/operator Certifying Person shall document tank closure on the attached "Hazardous Waste Tank Closure Certification" Form during the inspection.
- The inspector will verify lower explosive levels (LEL) and oxygen readings. Inspector will authorize addition of dry ice and removal of UST.
- Conduct removal of the UST(s).
- Conduct soil sample collection from below the tank and associated piping, dispensers, and

BOARD OF DIRECTORS
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Jesse Armendarez Second District
Dawn Rowe Chair, Third District
Curt Hagman Fourth District
Joe Baca Jr. Fifth District
Leonard X. Hernandez Chief Executive Officer

stockpile per removal guidelines (Included with Permit).
- Additional requirements may be required at the discretion of the inspector.

POST-FINAL REQUIREMENTS

The following requirements must be met after the Final Inspection:

- Submit a UST Closure Report within sixty (60) days of the UST removal/soil sampling date to usttestresults@sbcfire.org. Failure to submit all required documentation within the allotted time frame may result in enforcement action.
- If contamination above detection limits is identified, it is the responsibility of the tank owner/operator to complete an Unauthorized Release Report (URR) and submit to this CUPA within five (5) days.
- All closure documentation will be copied to the Regional Water Quality Control Board for review.

PERMIT EXPIRATION

This permit expires on **06/05/2024**. The final inspection must be completed on or prior to this date. If the project extends beyond this date, contact the UST Front Counter Technician at (909) 386-8464.

INSPECTION SCHEDULING

All UST inspections must be scheduled 10 business days in advance. To schedule an inspection, e-mail ustclerk@sbcfire.org with the facility name, address, FA# / SR#, and type of inspection in the subject line. In the body of the e-mail, list the requested dates and times for the inspection.

TEST RESULTS

All required test results shall be sent to usttestresults@sbcfire.org with a cc to the inspector onsite within 30 days of testing. Failure to provide test results will result in a Notice of Violation.

Adhere to the current installation and testing requirements set forth by the manufacturer and the inspection requirements contained in this letter of approval. Any changes to the conditionally approved construction plans will require As-Built plans prior to the final inspection along with the applicable permit fees. Contractor and Technician certifications shall remain current throughout the project.

Gerrit Kovach, REHS, ICC-UI
Hazardous Materials Specialist
UST Program

CC: (Silverado Contractors, Inc.)

APPENDIX D

Rancho Cucamonga Fire Protection District Permit to Abandon/Remove Hazardous Materials Storage Tank

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730
(909) 477-2770 www.RCFire.org

SPECIAL EVENT PERMIT

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

Permit Number: FSE2023-00031

Issued Date: 07/31/2023
Expiration Date: 07/31/2023

Permitted Operation, Use or Activity:
Hazardous Materials Tank – Remove or Abandon in Place

Special Conditions

In accordance with the terms of application on file with the Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on the condition that all applicable sections of the California Fire Code and other related regulations are complied with. This permit does not take place of any license required by law. This permit is not transferable. Any changes in the use or occupancy of premises shall require a new permit.

Issued To:

Roux Associates, Inc.
12459 ARROW RTE
RANCHO CUCAMONGA, CA 91739

Rancho Cucamonga Fire Protection District

Fire District Standard 57-1

Title: **Hazardous Materials Storage Tank Abandonment/Removal**	
Primary Code Reference: Fire Code Chapters 50 and 57	Effective: Jan. 1999
Number of Pages: 4	Updated: January 2020 for consistency with the 2019 California Fire Code

INTENT

The intent of this Standard is to establish requirements for obtaining a permit to abandon, remove, or modify a hazardous materials storage tank.

AUTHORITY

This Standard is in accordance with Fire District Ordinance FD 57 and the 2019 California Fire Code.

ADOPTED STANDARD

1. **Permit Required.** A Fire District permit is required in order to abandon, remove, or modify any hazardous material storage tank.
   a. **Permit Process/Plan Submittal**
      i. A completed application for permit (Appendix A) and three sets of plans must be submitted to the Fire District for review and approval prior to any work being performed at the site.
      ii. The following is the minimum information, where applicable, that must be included with the plan submittal and the permit application.
      - ❑ Site Information
      - ❑ Property Owner Information
      - ❑ Current Occupant Information
      - ❑ Contractor Information
      - ❑ Consultant Information
      - ❑ Degassing contractor information
      - ❑ Hazardous Waste hauler information
      - ❑ Marine Chemist or Certified Industrial Hygienist information
      - ❑ The scope of work to be performed
      - ❑ The method of abandonment/removal
      - ❑ A soil sampling plan that will determine whether or not regulated products have leaked or otherwise been released into the soil. The plan will include details demonstrating that the sampling will be done in accordance with accepted methods and will provide the name of the California state certified laboratory that will perform the analysis.
      - ❑ Projected job schedule
      - ❑ Work site respiratory protection action levels
      - ❑ Compliance with fire retardant clothing requirement for site workers
      - ❑ A site specific health and safety plan
      - ❑ A detailed and scaled site plan, including location of tank(s), piping, openings, buildings and structures; Property lines; and underground utilities. Provide note about contacting Underground Service Alert (USA) prior to excavation.
      - ❑ Provide note indicating if a Confined Space Entry Permit is required.

iii. The following are the required documents, where applicable, that must be included with the plan submittal and the permit application.
- ☐ Application for Rancho Cucamonga Fire District Hazardous Materials Storage Tank Removal Permit
- ☐ Photocopy of City of Rancho Cucamonga Business License
- ☐ Photocopy of Cal/OSHA excavation permit
- ☐ Photocopies of Worker's Comp and liability insurance policies
- ☐ Photocopy of California contractor's license with hazmat endorsement
- ☐ Proof of tank contents or results of lab samples

b. **Permit Fees.** All required fees shall be paid prior to permit issuance.

2. **Onsite Requirements.** A qualified fire inspector must be present at the site during abandonment/ removal and inerting operations.
   a. The following, where applicable, must be present on-site during operations.
      - ☐ Cal/OSHA qualified person for the excavators
      - ☐ Cal/OSHA annual crane certificate
      - ☐ Marine Chemist or C.I.H. Certification
      - ☐ SCAQMD degassing permit
      - ☐ EPA generator identification number
      - ☐ Copies of employee HAZWOPER training records
      - ☐ Company Safety Plan

   b. The following are additional general site requirements that will be monitored as applicable by the Fire Inspector.
      - ☐ The contractor appearing on the tank removal permit is responsible and accountable for the job site. The contractor shall either perform the work and/or be on site to oversee subcontractors.
      - ☐ All Cal/OSHA excavation regulations are strictly enforced
      - ☐ All Cal/OSHA safety equipment requirements are strictly enforced
      - ☐ All DMV/DOT regulations are strictly enforced
      - ☐ Fire retardant clothing shall be worn while working around flammable/combustible vapors.
      - ☐ Elimination of ignition sources shall be in accordance with nationally recognized standards
      - ☐ Equipment shall be bonded and/or grounded and listed for use in hazardous locations
      - ☐ All work performed on the tank shall be done with non-sparking tools, except work that may be performed in accordance with National Fire Protection Association (NFPA) Standard 306 and under the supervision of a certified Marine Chemist, or tanks which contain 0% LEL constantly monitored by a trained and qualified person with standard tools.
      - ☐ A combustible gas indicator (CGI) and an oxygen meter shall be on site, calibrated and operated by a trained and qualified person (documentation required). Continuous readings shall be taken around the job site, tank, and associated piping and dispensers being removed to detect accumulation of explosive vapors. If 20% LEL is detected, all operations will halt for at least one half hour to allow for the dissipation of vapors.
        Note: Conversion charts or an instrument capable of monitoring the specific tank contents is required. Instruments shall be protected from sensor poisoning from leaded fuels.

- Piping shall be flushed before it is disconnected from the tank; if not, it is subject to being hauled as a hazardous waste.
- A ratio of 25 pounds of dry ice per 1,000 gallons of tank capacity is required to render a tank inert. If instrument readings indicate that a tank has not been fully inerted, additional applications of dry ice at a ratio of 25 pound of dry ice per 1,000 gallons of tank capacity will be required until tank is verified to be inert.
- Tank shall be emptied and rendered inert prior to disturbing tank and surrounding material (i.e. concrete, asphalt, supports, etc.)
- Dispensers which are no longer going to be used shall be removed.

3. **Prohibited Practices.** Where applicable to the particular job, the following items are prohibited:
   - Removing a hazardous materials storage tank from the excavation or site without a Fire Inspector present. Violations may be subject to criminal and/or civil action.
   - Performing any work prior to the arrival of the Fire Inspector as specified above.
   - Exceeding a 30 minute delay in work or from scheduled inspection start time. Violations may result in additional fees, shutdown, or both.
   - Excavating prior to required notification to Cal/OSHA

4. **Reports Required.** Where applicable to the particular job, the following reports shall be provided to the Fire District:
   - California Hazardous Waste Manifest.
   - Name and address of the licensed Treatment, Storage, and Disposal Facility.
   - Applicable chain of custody and disposal documentation.
   - Tank destruction certificate.
   - Soil sampling report.

5. **Acknowledgement**

I/We acknowledge that we have received and understand RCFPD Standard 57-1 Hazardous Materials Storage Tank Abandonment/Removal.

Peter Shimer (Roux Associates, Inc.)
Project Manager's Name


Signature

5/2/2023
Date



Jimmy Saldivar (Silverado Contractors, Inc.)
Contractor's Name

Signature

5/10/2023
Date

Appendix A

Rancho Cucamonga Fire Protection District

Prevention Bureau

10500 Civic Center Dr., Rancho Cucamonga, CA 91729 909-477-2770 fax 909-477-2772

Application for Permit to Abandon/Remove Hazardous Materials Storage Tank

Note: This permit is only issued to licensed California Contractors and Property Owners

Date(s): 04/19/2023 **Time:** 10:30 AM

Site Information

Site Address: 12459 Arrow Route, Rancho Cucamonga, CA 91739 Phone Number: _____

Name of Business: BTC III Arrow Route CC LP Contact Person: Chris Sanford

Applicant Information

Company Name: Roux Associates, Inc. Phone Number: (562) 446-8640

Address: 5150 E PCH Ste. #450, Long Beach, CA 90804 Contact Person: Daniel Zaragoza

Contractor Information

Company Name: Silverado Contractors, Inc. Phone Number: (909) 949-6025

Address: 2855 Mandela Pkwy, Oakland, CA 94608 Contact Person: Jimmy Saldivar

Method of Abandonment (check one)

☑ Triple rinsed, certified, rendered inert, and hauled from site
☐ Hauled as hazardous waste
☐ Triple rinsed, certified, filled with slurry, and abandoned in place

Briefly describe the scope of work to be performed and the number of tanks to be removed/abandoned:

Removal and abandonment of one (1) 4,000 gallon tank and its associated piping. Confirmation soil sampling will be performed according to the soil plan included in the application following removal.

Applicant's Name: Daniel Zaragoza Phone Number: (562) 446-8640

Applicant's Signature: Daniel Zaragoza Date: 05/02/2023

**********FIRE DISTRICT USE ONLY**********

Approved by: _____ Phone Number: _____

Fees Due: _____ Date Paid: _____

APPENDIX E

San Bernardino County Fire Protection District UST Removal Inspection Report

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CUPA COMPLIANCE INSPECTION REPORT

NAME: **TAMCO** FACILITY ID: **FA0006582**

ADDRESS: **12459 ARROW RTE STE B** CERS ID:**10152245**

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** INSPECTION DATE: **6/28/2023**

Consent granted by:

☒ **inspect** ☒ **photograph** **Name:** ROUX/ERM **Title:** PERMIT SR0202862

UST REMOVAL PERMIT SR0202862

PURPOSE:
On site to witness the removal of a found Underground Storage Tanks (UST), all associated piping and to witness associated soil samples. Photos were taken this date.

PERSONS ONSITE:
On Site Contact: Peter Shimer, Roux Senior Geologist
Contractor On Site: Roux, Silverado, ERM
Certifications: Current
Sampling: John Cameron, Roux
CIH: Nancy Carraway, CIH
Other On Site: Tammie Graciano, Rancho Cucamonga Fire Department

REMOVAL OBSERVATIONS/INSPECTION
- All UST removal Contractor certifications on site and reviewed. All appropriate for the work being conducted.
- Roux/ERM rinsed out the UST on site. Manifest generated.
- Roux/ERM used a calibrated CGI and PID and measured 0% LEL.
- Nancy Carraway certified the Tank Closure and provided the Tank Closure Forms.
- UST inerted with Dry Ice prior to transport.
- UST pulled and placed onto truck and transported.
- No staining or smell or signs of contamination observed.

SOIL SAMPLING OBSERVATIONS:
- Three (3) samples were taken. Two (2) below the UST and one (1) Stockpile.
- Lab testing methods from the SBCFD removal guidelines.
- Chain of Custody Reviewed and properly transported.

TANK REMOVAL AND SOIL SAMPLING REQUIREMENTS COMPLETED.
- There were no associated piping or Underground Storage Containments (UDCs).
- Based on dimensions, UST is calculated to be approximately 10,000 gallons.
- Inspection conditions of this permit are verified complete.

Submit a UST Closure Report within sixty (60) days of the UST removal/soil sampling date to mzakhary@sbcfire.org and usttestresults@sbcfire.org.

Update of the California Environmental Reporting System (CERS) required for UST Permanent Closure.
Any questions about this inspection report contact Mary Zakhary at mzakhary@sbcfire.org

A copy of this report will be emailed to csanford@aresmgmt.com; pshimer@rouxinc.com

INSPECTED BY:	RECEIVED BY:
 MARY ZAKHARY ICC-UI 10085641	Signature Date Time: 6/28/23 4:21:38PM LTR:6/28/2023 4:21:23PM
	SENT VIA EMAIL / N/A
	NAME / TITLE
INSPECTION DATE: 06/28/2023	REPORT DATE: 6/28/23 4:22 pm

This report shall serve as a notice to comply for minor violations and a notice of violation for all other violations. THE VIOLATIONS NOTED IN THIS REPORT MUST BE CORRECTED WITHIN 30 DAYS UNLESS OTHERWISE SPECIFIED. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Tank Rinsate Hazardous Waste Manifest

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAD982361404	1	(714) 990-6855	017544670 FLE

GENERATOR

5. Generator's Name and Mailing Address
BTC III Arrow Route CC, LP
4675 MacArthur Street, Suite 625
Newport Beach, CA 92660
Generator's Phone: (949) 892-4811

Generator's Site Address (if different than mailing address)
BTC III Arrow Route CC, LP
12459-B Arrow Route
Rancho Cucamonga, CA 91739

6. Transporter 1 Company Name: Nieto and Sons Trucking, Inc.
U.S. EPA ID Number: CAT080016116

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
World Oil Recycling
2000 N. Alameda Street
Compton, CA 90222
Facility's Phone: (310) 537-7100
U.S. EPA ID Number: CAT080013352

9a. HM	9b: U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.					133
X	UN1203, Gasoline Mixture, 3, PG II	001	TT	800	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Wear All Appropriate Protective Clothing
ERG #128

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Agent for BTC III Jim Ferman Arrow Route CC LP
Signature: Jim Ferman
Month 06 Day 28 Year 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: José Cabrera
Signature:
Month 06 Day 28 Year 23

Transporter 2 Printed/Typed Name: Jose
Signature:
Month Day Year

54

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H039			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: SOPHAL P. SVAY
Signature:
Month 06 Day 30 Year 23

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Hazardous Waste Tank Closure Certification

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

FACILITY ID# 1

TANK OWNER NAME 740: CLEARED LOT - PREVIOUSLY DEVELOPED AS AN INDUSTRIAL SITE

TANK OWNER ADDRESS 741: 12459 ARROW ROUTE

TANK OWNER CITY 742: RANCHO CUCAMONGA | STATE 743: CALIFORNIA | ZIP CODE 744: 91739

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, % LEL – Top	Center	Bottom	Concentration of Oxygen, % – Top	Center	Bottom
1	0628/1 745	0 746a	0 746b	0 746c	20.9 747a	20.9 747b	20.9 747c
2	748	749a	749b	749c	750a	750b	750c
3	751	752a	752b	752c	753a	753b	753c

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinsate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Nancy G. Carraway

NAME OF CERTIFIER (Print) 754: Nancy G. Carraway

TITLE OF CERTIFIER 755: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7681

DATE 759: 06/28/2023

CERTIFICATION TIME: 11:51 am - 12:00 pm

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760

☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761: RANCHO CUCAMONGA FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☒ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763: DIESEL FUEL

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☑ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

INERT TANK INTERIOR BEFORE TORCH CUTTING OR USING SPARKING TOOLS ON OR NEAR TANK. TANK IS NOT SUITABLE FOR FOOD OR POTABLE WATER STORAGE, FOR PERSONNEL ENTRY, OR FOR HOT WORK. TANK IS SUITABLE FOR COLD WORK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

CGI: RKI Eagle, serial number E181203

SINGLE-WALL STEEL TANK, COLLAPSED ON ITSELF; 10,000-GALLON CAPACITY; PREVIOUSLY ASPHALT-COATED

APPENDIX H

UST Recycling Receipt

CERTIFICATE OF DESTRUCTION

NIETO AND SONS TRUCKING, INC.
1281 BREA CANYON ROAD
BREA, CA 92821
(714) 990-6855

COMPANY : **BTC III Arrow Route CC, LP**
JOB SITE : **12459-B Arrow Route**
Rancho Cucamonga, CA 91739

DESCRIPTION : ***1 – 10,000 gallon tank***

TANK HAS BEEN SCRAPPED,
CRUSHED AND DESTROYED
AT THE
SA RECYCLING
13200 EAST FRONTERA STREET
ANAHEIM, CA 92806
On June 29, 2023

SIGNATURE : _____
BY : DAVE NIETO – NIETO AND SONS TRUCKING, INC.
DATE : 06 / 30 / 23

APPENDIX I

Photographic Log

Appendix I. Photo Log



UST as discovered. (06/28/2023)



Soil removed from top of UST. (06/28/2023)



Windows cut and residual fluids removed (06/28/2023).



UST cleaned and residual fluids removed. (06/28/2023)

Appendix G. Photo Log



Industrial hygienest certified UST as clean. (06/28/2023)



Dry ice used to make residual gases inert. (06/28/2023)

Appendix G. Photo Log



Removing the UST (06/28/2023)



UST loaded onto truck for removal from Site. (06/28/2023)

Appendix G. Photo Log



Bottom confirmation samples collected. (06/28/2023)



Soil stock pile post-UST removal. (06/28/2023)

SAN BERNA)INO COUNTY FIRE PROTEC N DISTRICT

620 South "E" Street • San Bernardino, CA 92415-0153 • (909) 386-8401 • Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Michael A. Horton
Fire Marshal/Deputy Fire Warden

November 16, 2021

21090102 Rancho Cucamonga RAL Roux

ROUX ASSOCIATES
5150 E PACIFIC COAST HWY, SUITE 450
LONG BEACH, CA 90804

ATTENTION: **NICOLE SVOBODA**

SUBJECT: **CERTIFIED RECORD SEARCH FINDINGS**
12451, 12455, 12459, 12343, AND 12353 ARROW ROUTE, RANCHO CUCAMONGA, (ETIWANDA), CALIFORNIA
APN#S: 0229-121-34-0000, 0229-121-35-0000, 0229-121-33-0000, 0229-131-19-0000

This is to confirm that the San Bernardino County Hazardous Materials Division has identified records that may pertain to the subject site, as described in your request for records search.

The file(s) shown below have been retrieved for review. If you wish to view the original documents, please e-mail this office at hazmatrecords@sbcfire.org to arrange an appointment.

ACTIVE PERMIT FACILITIES: (Regulatory files for facilities with annual operating permits to maintain underground storage tanks, handle hazardous materials, and/or generate hazardous waste. Files include permits, inspections, reports, test results, correspondence, and related materials. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities still in operation).

CMC (Formerly: Tamco) 12459 Arrow Route – Ste. B Rancho Cucamonga	FA0006582 ~ Est. # 86008874 ~ CERS ID. 10152245 APSA 10,001-100,000 Gal. Fac. Capacity Permit Underground Storage Tank Permits (2) Hazardous Materials 71+ Chemicals Handler Permit RCRA Large Quantity Generator Permit UW Handler w/Another CUPA Permit (Last CERS Submission: 10/13/2021)
SCE – Pipe Substation 12459 Arrow Hwy. Rancho Cucamonga	FA0000434 ~ Est. # 01049315 ~ CERS ID. 10034656 Hazardous Materials 1-3 Chemicals Special Handler Permit APSA Conditionally Exempt Permit (Inactive) (Last CERS Submission: 03/04/2021)
SCE-Ameron Substation 12459 Arrow Hwy. Rancho Cucamonga	FA0000989 ~ Est. # 01049314 ~ CERS ID. 10035409 Hazardous Materials 1-3 Chemicals Special Handler Permit APSA Conditionally Exempt Permit (Inactive) (Last CERS Submission: 02/15/2021)

BOARD OF DIRECTORS

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Leonard X. Hernandez
Chief Executive Officer

TI Wire (Formerly: I.W.P.A.D. Inc.) 12459-B Arrow Route Rancho Cucamonga	FA0003904 ~ Est. # 90020821 ~ CERS ID. 10040527 Hazardous Materials 11-30 Chemicals Handler Permit RCRA Large Quantity Generator Permit (Last CERS Submission: 04/21/2020)
Phoenix Services LLC 12459-B Arrow Route Rancho Cucamonga	FA0018035 ~ CERS ID. 10755790 Hazardous Materials 4-10 Chemicals Handler Permit APSA 1,320 – 10,000 Gal. Fac. Capacity Permit Small Qty. Generator Permit (Last CERS Submission: 02/28/2021)
CMC Rebar Etiwanda (Formerly: Fontana Steel Inc.) 12451 Arrow Route Rancho Cucamonga	FA0003266 ~ Est. #89018295 ~ CERS ID. 10039324 Hazardous Materials 11-30 Chemicals Handler Permit Small Quantity Generator Permit (Last CERS Submission: 10/27/2021)

INACTIVE PERMIT AND/OR NON-PERMIT FACILITIES: (Inactive regulatory files for formerly permitted facilities that maintained underground storage tanks, stored hazardous materials, and/or generated hazardous waste and/or facilities with underground storage tanks removed and/or materials and waste removed. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities no longer operating underground tanks).

Ameron Intl. Water Transmission 12455 Arrow Rte. Rancho Cucamonga	FA0000929 ~ Est. #86008873 ~ CERS ID. 10035301 Hazardous Materials Handler Permit Hazardous Waste Generator Permit EPCRA Facility APSA Permit (Aboveground Petroleum Storage) Underground Storage Tank Permit
Ameron Steel and Wire Division 12459 Arrow Hwy. Etiwanda	Est. # 85004210 Underground Storage Tank Permit
Tervita LLC 12459 Arrow Route Rancho Cucamonga	FA0014680 ~ CERS ID. 10313566 Hazardous Materials 4-10 Chemicals Handler Permit Small Quantity Generator Permit APSA 1,320-10,000 Gal. Fac. Capacity Permit
Tube City IMS 12459 Arrow Route Rancho Cucamonga	FA0005052 ~ Est. # 94032147 ~ CERS ID. 10042600 Special Generator Permit Hazmat Handler Permit APSA 1,320 – 10,000 Gal. Fac. Capacity Permit

PERMITS TO REMOVE/INSTALL/MODIFY UNDERGROUND STORAGE TANKS:

Ameron 12455 Arrow Rte. Rancho Cucamonga	Issued 09/23/1998 Removal (3) Log # 092398-07 ~ Job Card # 5599
Ameron Pipe Division 12455 Arrow Rte.	Issued 09/10/1987 Removal (6)

Rancho Cucamonga	Log # 091087-01 ~ Job Card # 1160
Ameron Steel and Wire Div. 12459 Arrow Route Etiwanda	Issued 11/09/1989 Removal (1) Log # 110989-01 ~ Job Cards #2137 & 2138
Ameron Steel and Wire Div. 12459 Arrow Route Etiwanda	Issued 08/27/1987 Removal Log # 082787-02 ~ Job Card # 1139
Tamco 12459 Arrow Rte. Ste B Rancho Cucamonga	Issued 05/04/2021 Modification w/repair Log # 050421-02 ~ Job Card # 13504
CMC/Tamco 12459 Arrow Rte. Ste. B Rancho Cucamonga	Issued 03/13/2020 Modification Log # 031320-02~ Job Card # 13073
Tamco 12459-B Arrow Rte. Rancho Cucamonga	Issued 08/02/2018 Minor Modification – Expired Log # 080218-01 ~ Job Card # 12444
Tamco 12459-B Arrow Route Rancho Cucamonga	Issued 03/09/2018 Modification Log # 030918-01 ~ Job Card # 12330
Tamco 12459-B Arrow Route Rancho Cucamonga	Issued 02/08/2016 Modification Log # 020816-01 ~ Job Card # 11671
Tamco 12459 Arrow Route Rancho Cucamonga	Issued 04/09/2012 Modification 040912-03 ~ Job Card # 10530
Tamco 12459 Arrow Route Rancho Cucamonga	Issued 11/19/2010 Removal (1) Log # 111910-01 ~ Job Card # 10106
Tamco 12459 Arrow Hwy Rancho Cucamonga	Issued 02/02/2009 Modification Log # 020209-01 ~ Job Card # 09465
Tamco 12459-B Arrow Hwy Rancho Cucamonga	Issued 03/24/2006 Removal (4) Log # 032406-01 ~ Job Card # 8407
Tamco Steel 12459-B Arrow Hwy Rancho Cucamonga	Issued 11/04/1998 Modification Log # 110498-06 ~ Job Card # 5720
Tamco	Issued 09/07/1993

12459 Arrow Hwy. Etiwanda/Rancho Cucamonga	Removal (4) Log # 091393-01 ~ Job Card # 3482
Tamco Steel 12459 Arrow Hwy. Etiwanda	Issued 12/02/1986 Installation Log # 120286-02 ~ Job Card # 491
CMC Rebar-Etiwanda 12451 Arrow Rte. Rancho Cucamonga	Issued 07/09/2014 Removal (1) Log # 070914-01 ~ Job Card # 11232
CMC Rebar – Etiwanda 12451 Arrow Rte. Rancho Cucamonga	Issued 05/12/2014 Modification – cancelled Log # 051214-01 ~ Job Card # 11182
CMC Fontana Steel 12451 Arrow Rte. Rancho Cucamonga	Issued 05/21/2010 Modification Log # 052110-01 ~ Job Card # 09980
CMC Fontana Steel 12451 Arrow Rte. Rancho Cucamonga	Issued 07/15/2009 Modification Log # 071509-01 ~ Job Card # 09693
Fontana Steel 12451 Arrow Hwy. Etiwanda	Issued 03/03/2003 Modification Log # 030303-01 ~ Job Card # 7052
Fontana Steel 12451 Arrow Hwy. Rancho Cucamonga	Issued 02/09/1999 Modification Log # 020999-01 ~ Job Card # 6069
Fontana Steel Inc. 12451 Arrow Hwy. Rancho Cucamonga	Issued 04/19/1989 Installation Log # 041989-01 ~ Job Card # 1892

HAZARDOUS MATERIAL INCIDENT AND/OR COMPLAINT RESPONSE ACTIVITY: (other records of spill notifications and/or complaints not listed below may also exist in facility permit files).

Ameron Arrow Plant 12455 Arrow Rte. Rancho Cucamonga	CO0029232 04/09/2012 500 gallons of water released to storm drain. Water was Used to jeer the concrete pipe. Release is under oversight by Department of Fish & Game.
Ameron Pipe Div, Arrow Plant 12455 Arrow Rte. Rancho Cucamonga	CO0025301 05/05/2008 Release of 50 gallons diesel fuel to ground due to overfilling a truck.
Ameron Steel & Wire Div.	Case # 892100059

12459 Arrow Hwy. Etiwanda	02/17/1989 Line Break- sulfuric acid
Ameron Steel 12459 Arrow Rte Fontana (per report records)	No case # given. 05/29/1985 Complaint – selling radioactive steel – employees exposed
Tamco 12459 Arrow Rte Ste. B Rancho Cucamonga	CO0033414 06/29/2017 Release of 30 gallons of contaminated industrial water With baghouse dust. Spill contained and cleaned up.
Tamco 12459 Arrow Rte. – Ste. B Rancho Cucamonga/Etiwanda	CO0033117 02/09/2017 Chemical dust suppressant. Road Pro NT runoff due to rain Onto neighboring facility. Contractor clean-up performed.
Tamco 12459 Arrow Rte. – Ste. B Rancho Cucamonga	CO0030596 10/15/2013 Release of sulfuric acid
Bulk Transportation/DTI Associates @12459 Arrow Rte – (?)* Rancho Cucamonga	CO0030240 08/31/2007 Release of sulfuric acid

Note: We do not know if this was located at Tamco – Ste. B as no company name nor suite # was mentioned.

Tamco 12459 Arrow Rte. – Ste. B Rancho Cucamonga	CO0024255 03/27/2007 Report of radiation release. Load of heavy melt brought in to Tamco by Main Street Fibers set off radiation alarm. Source Was not able to be located in load and was 2-3 times background. Load was returned to origin under DOT exempt shipment; DOT investigated on 03/28/2007 and also could not determine source.
Tamco 12459 Arrow Hwy. Ste. B Rancho Cucamonga	CO0011029 07/27/2005 Radioactive material OES notification, material returned To source
Tamco 12459 Arrow Hwy. Ste. B Rancho Cucamonga	CO0010952 06/30/2005 Suspicious compressed cylinder found in scrap metal, taken to bomb squad for detonation.

Tamco 12459 Arrow Hwy. Ste. B Rancho Cucamonga	CO0010651 03/04/2005 Load of scrap metal set off rad meters. DOHS notified. Tamco sent the load back to origin to be followed up by State Rad. Health.
Tamco 12459 Arrow Hwy. Rancho Cucamonga	CO0004486 (HMRR99102101BO) 10/21/1999 Request for haz mat assistance – fire
Tamco 12459 Arrow Hwy. Rancho Cucamonga	CO0005671 (HMRR 96061301BO) 06/13/1996 Alleged discharge of cooling tower water mixed with oil and solvents on premises as dust control measure.
Tamco 12459 Arrow Rte. – Ste. B Rancho Cucamonga	Case # 962200149 06/13/1996 Complaint of Tamco disposing of waste oils and solvents in Cooling tower water. Water is then drained into dust Suppression watering trucks and dispensed over dirt areas. Investigation resulted in no evidence. Case closed.
Tamco 12459 Arrow Etiwanda	CO0008373 (Case # 922100266) 07/28/1992 Complaint of dumping and covering slag dumping area. Inspection couldn't substantiate the complaint. Case closed
Tamco 12459 Arrow Rte. Etiwanda	Case # 862200281 08/01/1986 Metal oxide contaminated soils
TI Wire 12459 Arrow Rte. Rancho Cucamonga	CO0026935 11/05/2009 Hydraulic oil leak from equipment due to accident Involving rebar carried by a Tamco forklift.
TI Wire 12459 Arrow Rte. Rancho Cucamonga	CO0025713 08/21/2008 Release of sulfuric acid

SITE REMEDIATION: (Underground Storage Tank Clean-Up under Local Oversight Program or Voluntary Hazardous Waste Clean-Up activity under Local Jurisdiction) (documents may be included in regular active or inactive permit files listed above).

Ameron Steel 12459 Arrow Hwy. Rancho Cucamonga	ID 90047 Reported 09/25/1989 Closed 12/04/1990
Tamco 12459 Arrow Hwy. Rancho Cucamonga	ID 90241 Referred to California Regional Water Quality Board on 09/15/1988 ~ Closed 05/11/1994
Ameron, Inc. 12459 Arrow Hwy. Rancho Cucamonga	ID 91028 Reported 12/06/1991 Referred to California Regional Water Quality Board On 03/02/1995
Tamco 12459 Arrow Hwy Rancho Cucamonga	LOP ID 93063 Leaking UST reported 11/22/1993 Closed on 05/11/1994
Tamco 12459 Arrow Hwy. Rancho Cucamonga	ID 97067 Reported 11/17/1997 Closed 07/02/2002

Records searched include permit database systems for facilities with permits as hazardous waste generators, hazardous materials handlers, and/or underground storage tanks, including inactive and/or out of business records; logs of permits issued for the removal and/or installation of underground storage tanks; records and databases pertaining to illicit dumping and releases; records of non-permitted facilities; sites undergoing remediation for contaminated soil and/or groundwater; and incidents responded to by the hazardous materials emergency response team. Records searched date back to early 1980's. Please note if a facility has completed a submission in CERS, the most recent submission can be made available for review upon request.

Records consist of 17 file(s), 23 volumes, approximately 44" thick, combined. To request a file review appointment or further clarification, please contact this office (909) 386-8468 or by email to hazmatrecords@sbcfire.org.

Donna Juday

DONNA JUDAY
Office Specialist
Office of the Fire Marshal
Hazardous Materials Division

*We will copy up to 40 pre-selected pages from a file at a charge $0.25 per page copied. (Be prepared to make this payment at the time of service). If you want a copy of the entire file, we can refer you to a private copy service. If you prefer to bring a portable copier or camera on site, you may do so. Please let us know your plans in advance so we can make the arrangements.

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street • San Bernardino, CA 92415-0153 • (909) 386-8401 • Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Mark A. Hartwig
Fire Chief/Fire Warden

Michael A. Horton
Fire Marshal

July 2, 2020

20062201 Rancho Cucamonga RAL Environ. Support Svc

ENVIRONMENTAL SUPPORT SERVICES
30251 GOLDEN LANTERN, SUITE #E-305
LAGUNA NIGUEL, CA 92677

ATTENTION: **SHANNON CASTAGNO**

SUBJECT: **CERTIFIED RECORD SEARCH FINDINGS**
12343, 12353, 12451, 12455, AND 12459 ARROW ROUTE, RANCHO CUCAMONGA (ETIWANDA), CALIFORNIA

This is to confirm that the San Bernardino County Hazardous Materials Division has identified records that may pertain to the subject site, as described in your request for records search.

The file(s) shown below have been retrieved for review. If you wish to view the original documents, please e-mail this office at mmolina@sbcfire.org or call the number at the end of this letter to arrange an appointment.

ACTIVE PERMIT FACILITIES: (Regulatory files for facilities with annual operating permits to maintain underground storage tanks, handle hazardous materials, and/or generate hazardous waste. Files include permits, inspections, reports, test results, correspondence, and related materials. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities still in operation).

CMC (Formerly: Tamco) 12459 Arrow Rte. – Ste. B Rancho Cucamonga	FA0006582 ~ Est. # 86008874 ~ CERS ID. 10152256 APSA 10,001-100,000 Gal. Fac. Capacity Permit UST Ownership/Operating Permit(s) Hazardous Materials 71+ Chemicals Handler Permit RCRA Large Quantity Generator Permit UW Handler w/Another CUPA Permit (Last CERS Submission: 03/19/2020)
SCE – Pipe Substation 12459 Arrow Hwy. Rancho Cucamonga	FA0000434 ~ Est. # 01049315 ~ CERS ID. 10034656 Hazardous Materials 1-3 Chemicals Special Handler Permit APSA Conditionally Exempt Permit (Inactive) (Last CERS Submission: 02/17/2020)
SCE- Ameron Substation 12459 Arrow Hwy. Rancho Cucamonga	FA0000989 ~ Est. # 01049314 ~ CERS ID.10035409 Hazardous Materials 1-3 Chemicals Special Handler Permit APSA Conditionally Exempt Permit (Inactive) (Last CERS Submission: 02/14/2020)

BOARD OF DIRECTORS

Robert A. Lovingood, Chairman, First District
Janice Rutherford, Second District
James Ramos, Third District
Curt Hagman, Vice Chairman, Fourth District
Josie Gonzales, Fifth District
Gary McBride, Chief Executive Officer

TI Wire (Formerly: I.W.P.A.D., Inc.) 12459 Arrow Hwy. Rancho Cucamonga	FA0003904 ~ Est. # 90020821 ~ CERS ID. 10040527 Hazardous Materials 11-30 Chemicals Handler Permit RCRA Large Quantity Generator Permit (Last CERS Submission: 04/21/2020)
Phoenix Services LLC 12459- B Arrow Route Rancho Cucamonga	FA0018035 ~ CERS ID. 10755790 APSA 1,320-10,000 Gal Fac Capacity Permit Hazardous Materials 4-10 Chemicals Handler Permit Small Qty Generator Permit (Last CERS Submission: 05/12/2020)
CMC Rebar Etiwanda (Formerly: Fontana Steel Inc.) 12451 Arrow Route Rancho Cucamonga	FA0003266 ~ Est. # 89018295 ~ CERS ID. 10039324 Hazardous Materials 11-30 Chemicals Handler Permit Small Quantity Generator Permit (Last CERS Submission: 04/03/2020)

INACTIVE PERMIT AND/OR NON-PERMIT FACILITIES: (Inactive regulatory files for formerly permitted facilities that maintained underground storage tanks, stored hazardous materials, and/or generated hazardous waste and/or facilities with underground storage tanks removed and/or materials and waste removed. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities no longer operating underground tanks).

Ameron Intl.Water Transmission Group 12455 Arrow Rte. Rancho Cucamonga	FA0000929 ~ Est. # 86008873 ~ CERS ID. 10035301 Hazardous Materials Handler Permit Hazardous Waste Generator Permit EPCRA Facility APSA Permit (Aboveground Petroleum Storage) Underground Storage Tank Permit
Ameron Steel and Wire Division 12459 Arrow Hwy. Etiwanda	Est. # 85004210 Underground Storage Tank Permit
Tervita LLC 12459 Arrow Route Rancho Cucamonga	FA0014680 ~ CERS ID. 10313566 Hazardous Materials 4-10 Chemicals Handler Permit Small Quantity Generator Permit APSA 1,320-10,000 Gal. Fac. Capacity Permit (Last CERS Submission: 07/27/2017)
Tube City IMS 12459 Arrow Route Rancho Cucamonga	FA0005052 ~ Est. # 94032147 ~ CERS ID. 10042600 Special Generator Permit Hazmat Handler Permit APSA 1,320-10,000 Gal. Fac. Capacity Permit

PERMITS TO REMOVE/INSTALL/MODIFY UNDERGROUND STORAGE TANKS:

Ameron 12455 Arrow Rte. Rancho Cucamonga	Issued 09/23/1998 Removal (3) Log # 092398-07 ~ Job Card # 5599

Ameron Pipe Division 12455 Arrow Rte. Rancho Cucamonga	Issued 09/10/1987 Removal (6) Log # 091087-01 ~ Job Card # 1160
Ameron Steel and Wire Div. 12459 Arrow Route Etiwanda	Issued 11/09/1989 Removal (1) Log # 110989-02 ~ Job Cards # 2137 & 2138
Ameron Steel and Wire Div. 12459 Arrow Route Etiwanda	Issued 08/27/1987 Removal Log # 082787-02 ~ Job Card # 1139
CMC/Tamco 12459 Arrow Rte Ste. B Rancho Cucamonga	Issued 03/13/2020 Modification Log # 031320-02 ~ Job Card # 13073
Tamco 12459 – B Arrow Route Rancho Cucamonga	Issued 08/02/2018 Minor Modification - Expired Log # 080218-01 ~ Job Card # 12444
Tamco 12459-B Arrow Route Rancho Cucamonga	Issued 03/09/2018 Modification Log # 030918-01 ~ Job Card # 12330
Tamco 12459-B Arrow Route Rancho Cucamonga	Issued 02/08/2016 Modification Log # 020816-01 ~ Job Card # 11671
Tamco 12459 Arrow Route Rancho Cucamonga	Issued 04/09/2012 Modification Log # 040912-03 ~ Job Card # 10530
Tamco 12459 Arrow Route Rancho Cucamonga	Issued 11/19/2010 Removal (1) Log # 111910-01 ~ Job Card # 10106
Tamco 12459 Arrow Hwy. Rancho Cucamonga	Issued 02/02/2009 Modification Log # 020209-01 ~ Job Card # 09465
Tamco 12459-B Arrow Hwy. Rancho Cucamonga	Issued 03/24/2006 Removal (4) Log # 032406-01 ~ Job Card # 8407
Tamco Steel 12459-B Arrow Hwy. Rancho Cucamonga	Issued 11/04/1998 Modification Log # 110498-06 ~ Job Card # 5720

Tamco 12459 Arrow Hwy. Etiwanda/Rancho Cucamonga	Issued 09/07/1993 Removal (4) Log # 091393-01 ~ Job Card # 3482
Tamco Steel 12459 Arrow Hwy. Etiwanda	Issued 12/02/1986 Installation Log # 120286-02 ~ Job Card # 491
CMC Rebar-Etiwanda 12451 Arrow Rte. Rancho Cucamonga	Issued 07/09/2014 Removal (1) Log # 070914-01 ~ Job Card # 11232
CMC Rebar – Etiwanda 12451 Arrow Rte Rancho Cucamonga	Issued 05/12/2014 Modification - cancelled Log # 051214-01 ~ Job Card # 11182
CMC Fontana Steel 12451 Arrow Rte Rancho Cucamonga	Issued 05/21/2010 Modification Log # 052110-01 ~ Job Card# 09980
CMC Fontana Steel 12451 Arrow Rte Rancho Cucamonga	Issued 07/15/2009 Modification Log # 071509-01 ~ Job Card # 09693
Fontana Steel 12451 Arrow Hwy. Etiwanda	Issued 03/03/2003 Modification Log # 030303-01 ~ Job Card # 7052
Fontana Steel 12451 Arrow Hwy. Rancho Cucamonga	Issued 02/09/1999 Modification Log # 020999-01 ~ Job Card # 6069
Fontana Steel Inc. 12451 Arrow Hwy. Rancho Cucamonga	Issued 04/19/1989 Installation Log # 041989-01 ~ Job Card # 1892

HAZARDOUS MATERIAL INCIDENT AND/OR COMPLAINT RESPONSE ACTIVITY: (other records of spill notifications and/or complaints not listed below may also exist in facility permit files).

Ameron Arrow Plant 12455 Arrow Rte. Rancho Cucamonga	CO0029232 04/09/2012 500 gallons of water released to storm drain. Water was used to jeer the concrete pipe. Release is under oversight by Department of Fish & Game.
Ameron Pipe Div, Arrow Plant 12455 Arrow Rte. Rancho Cucamonga	CO0025301 05/05/2008 Release of 50 gallons diesel fuel to ground due to overfilling a truck

Ameron Steel & Wire Div 12459 Arrow Hwy. Etiwanda	Case # 892100059 02/17/1989 Line Break – sulfuric acid.
Ameron Steel 12459 W. Arrow Hwy. Fontana (per report records)	No case # given. 05/29/1985 Complaint – selling radioactive steel – employees exposed.
Tamco 12459 Arrow Rte Ste B Rancho Cucamonga	CO0033414 06/29/2017 Release of 30 gallons of contaminated industrial water with baghouse dust. Spill contained and cleaned up.
Tamco 12459 Arrow Rte – Ste. B Rancho Cucamonga/Etiwanda	CO0033117 02/09/2017 Chemical dust suppressant Road Pro NT runoff due to rain onto neighboring facility. Contractor clean-up performed.
Tamco 12459 Arrow Rte – Ste. B Rancho Cucamonga	CO0030596 10/15/2013 Release of Sulfuric Acid
Bulk Transportation/DTI Associates @12459 Arrow Rte – (?) * Rancho Cucamonga	CO0030240 08/31/2007 Release of sulfuric acid

Note: We do not know if this was located at Tamco – Ste. B as no company name nor suite # was mentioned.

Tamco 12459 Arrow Rte. – Ste. B Rancho Cucamonga	CO0024255 03/27/2007 Report of radiation release. Load of heavy melt brought in to Tamco by Main Street Fibers set off radiation alarm. Source was not able to be located in load and was 2-3 times background. Load was returned to origin under DOT exempt shipment; DOT investigated on 03/28/2007 and also could not determine source.
Tamco 12459 Arrow Hwy. Ste. B Rancho Cucamonga	CO0011029 07/27/2005 Radioactive material OES notification, material returned to source
Tamco 12459 Arrow Hwy. Ste. B Rancho Cucamonga	CO0010952 06/30/2005 Suspicious compressed cylinder found in scrap metal, taken to bomb squad for detonation
Tamco 12459 Arrow Hwy. Ste. B Rancho Cucamonga	CO0010651 03/04/2005 Load of scrap metal set off rad meters. DOHS notified.

	Tamco sent the load back to origin to be followed up by State Rad. Health.
Tamco 12459 Arrow Hwy. Rancho Cucamonga	CO0004486 (HMRR99102101BO) 10/21/1999 Request for haz mat assistance – fire
Tamco 12459 Arrow Hwy. Rancho Cucamonga	CO0005671 (HMRR96061301BO) 06/13/1996 Alleged discharge of cooling tower water mixed with oil and solvents on premises as dust control measure.
Tamco 12459 Arrow Rte. – Ste. B Rancho Cucamonga	Case # 962200149 06/13/1996 Complaint of Tamco disposing of waste oils and solvents in cooling tower water. Water is then drained into dust suppression watering trucks and dispensed over dirt areas. Investigation resulted in no evidence. Case closed.
Tamco 12459 Arrow Etiwanda	CO0008373 (Case # 922100266) 07/28/1992 Complaint of dumping and covering slag dumping area. Inspection couldn't substantiate the complaint. Case closed.
Tamco 12459 Arrow Hwy. Etiwanda	Case # 862200281 08/01/1986 Metal oxide contaminated soils.
TI Wire 12459 Arrow Rte. Rancho Cucamonga	CO0030795 02/10/2014 Release of Sulfuric Acid/Water Mixture
TI Wire 12459 Arrow Rte. Rancho Cucamonga	CO0026935 11/05/2009 Hydraulic oil leak from equipment due to accident involving rebar carried by a Tamco forklift.
TI Wire 12459 Arrow Rte. Rancho Cucamonga	CO0025713 08/21/2008 Release of sulfuric acid

SITE REMEDIATION: (Underground Storage Tank Clean-Up under Local Oversight Program or Voluntary Hazardous Waste Clean-Up activity under Local Jurisdiction) (documents may be included in regular active or inactive permit files listed above).

Ameron Steel 12459 Arrow Hwy. Rancho Cucamonga	ID 90047 Reported 09/25/1989 Closed 12/04/1990

Tamco 12459 Arrow Hwy. Rancho Cucamonga	ID 90241 Referred to California Regional Water Quality Board on 09/15/1988 ~ Closed 05/11/1994
Ameron, Inc. 12459 Arrow Hwy. Rancho Cucamonga	ID 91028 Reported 12/06/1991 Referred to California Regional Water Quality Board On 03/02/1995
Tamco 12459 Arrow Hwy. Rancho Cucamonga	LOP ID 93063 Leaking UST reported 11/22/1993 Closed on 05/11/1994
Tamco 12459 Arrow Hwy. Rancho Cucamonga	ID 97067 Reported 11/17/1997 Closed 07/02/2002

Records searched include permit database systems for facilities with permits as hazardous waste generators, hazardous materials handlers, and/or underground storage tanks, including inactive and/or out of business records; logs of permits issued for the removal and/or installation of underground storage tanks; records and databases pertaining to illicit dumping and releases; records of non-permitted facilities; sites undergoing remediation for contaminated soil and/or groundwater; and incidents responded to by the hazardous materials emergency response team. Records searched date back to early 1980's. Please note if a facility has completed a submission in CERS, the most recent submission can be made available for review upon request.

Records consist of 17 file(s), 23 volumes, approximately 44" thick, combined. To request a file review appointment or further clarification, please contact this office (909) 386-8468 or by email to mmolina@sbcfire.org.

Donna Juday

DONNA JUDAY
Office Specialist
Office of the Fire Marshal
Hazardous Materials Division

*We will copy pre-selected pages from a file at a charge $0.25 per page copied. (Be prepared to make this payment at the time of service.) We can also refer you to a private copy service. If you prefer to bring a portable copier on site, you may do so. Please let us know your plans in advance so that accommodations can be made.

CUPA
San Bernardino County Fire Protection District • Hazardous Materials Division
620 S. E St., San Bernardino, CA 92415-0153 • (909) 386-8468 FAX (909) 386-8460

REQUEST FOR A CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT

The main focus of a REQUEST FOR A CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT is to determine whether there exists in San Bernardino County Fire Protection District (SBCFPD) any record relating to contamination or reports of spills at a particular site. A Certified Hazardous Materials Records Search Finding Report should reveal whether there are any facilities at the site that are subject to current or past regulatory activity by SBCFPD, such as underground storage tanks, hazardous material handlers, hazardous waste generators, and CalARP facilities, as well as any reports of spills, incidents, complaints, or cleanup activity, which can be a useful tool in providing a history of compliance or non-compliance.

Once SBCFPD has completed its records search, a Certified Hazardous Materials Records Search Finding Report will be prepared and issued. Such report will detail all SBCFPD records associated with a particular site by type, date, location, and status (where applicable). All files identified in a Certified Hazardous Materials Records Search Finding Report can be made available for copies and/or review upon request.

If the completed records search reveals no SBCFPD record of hazardous material activity at the site, a Certified Hazardous Materials Records Search Finding Report will be issued, noting that "no records" were identified.

Please provide a specific site address or location description. If a situs address does not exist or cannot be found, list another type of location identifier such as Assessor Parcel Number (preferable), cross streets or intersections (e.g., NWC 5th Ave. & Main St.), and/or legal description. If possible, please attach a map to this request form.

SITE INFORMATION		
Property Owner or Business Name	Location (Site Address and/or Assessor Parcel No.)	City/Community
CMC/TAMCO/AMERON	12343, 12353, 12451, 12455 & 12459 Arrow Route	Rancho Cucamonga

(SEE ATTACHED MAPS)

Please provide your name, the company you represent, and contact information below.

NAME			(If Individual, leave blank)
MAILING ADDRESS			STATE / ZIP CODE
TELEPHONE	FAX		

Environmental Support Services
Shannon Castagno
30251 Golden Lantern, Suite #E-305
Laguna Niguel, CA 92677
Tel: 949-429-3564 - Fax: 949-429-3563
Shannon@EnvironmentalSupportServices.com

So that we may provide better service, Certified Hazardous Materials Records ... st describe how the findings of the ... operty in question.

PURPOSE OR RELATIONSHIP TO PROPERTY

- [x] 1. Phase I site assessment or due diligence **AT THE SITE**
- [ ] 2. Environmental professional involved with remediation **AT THE SITE**
- [ ] 3. Phase I site assessment or due diligence **NEARBY**
- [ ] 4. Environmental professional involved with remediation **NEARBY**
- [ ] 5. Proposed School Site (1/4 mi. search for AHM)
- [ ] 6. Proposed Drinking Water Well
- [ ] 7. Owner or operator of the facility or property
- [ ] 8. Potential buyer
- [ ] 9. Real Estate Agent, Lender, Appraiser
- [ ] 10. Pending escrow
- [ ] 11. Proposed redevelopment
- [ ] 12. Legal or other reason: _____

AGENCY USE		WK 26
Certified Record Search Finding Report issued: __/__/__		Reference No: 20062201
Certified "No Record" Finding Report issued: __/__/__		Amount Paid:
		Receipt No.:
		Date:

Needs 3 payments
$408

** IMPORTANT –THIS PAGE MUST BE SIGNED PRIOR TO SUBMITTAL **

DISCLAIMER: While all attempts are made to provide accurate, current, and reliable information, San Bernardino County Fire Protection District *(further referred to as SBDFPD)* recognizes the possibility of human error. Therefore, SBCFPD, its officers, employees, agents and volunteers, make no representations as to the accuracy, completeness or suitability of a Certified Hazardous Materials Records Search Finding Report and provides a Certified Hazardous Materials Records Search Finding Report "as is," with no warranties, express or implied, including the implied warranty of fitness for a particular purpose. In no event shall SBCFPD be liable for any damages of any nature whatsoever, arising out of the issuance of a Certified Hazardous Materials Records Search Finding Report. SBCFPD therefore assumes no liability for damages incurred directly or indirectly as a result of any errors, omissions or discrepancies in a Certified Hazardous Materials Records Search Finding Report.

RELEASE AND INDEMNIFICATION: In consideration for the issuance of a Certified Hazardous Materials Records Search Finding Report, I hereby release and forever discharge SBCFPD, its officers, employees, agents and volunteers from any and all claims, actions, losses, damages and/or liability in connection with SBCFPD's issuance of a Certified Hazardous Materials Records Search Finding Report, including, but not limited to, claims that may arise due to the active or passive negligence of SBCFPD, its officers, employees, agents and volunteers.

I am familiar with the provisions of California Civil Code Section 1542, which provides as follows:

"A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor."

I hereby expressly waive any and all rights that I may have there under. I understand and acknowledge the significance and consequence of this specific waiver of California Civil Code Section 1542 and assume full responsibility for any injuries, damages, losses or liabilities that I may hereafter discover as possibly resulting from SBCFPD's issuance of a Certified Hazardous Materials Records Search Finding Report.

In further consideration for SBCFPD's issuance of a Certified Hazardous Materials Records Search Finding Report, I hereby agree, for myself, my heirs, administrators, executors and assigns, that I shall indemnify, defend (with counsel approved by County) and hold harmless SBCFPD, its officers, employees, agents and volunteers from any and all claims, demands, actions or suits arising out of or in connection with SBCFPD's issuance of a Certified Hazardous Materials Records Search Finding Report brought by any third party.

* * *

I have read the above terms and conditions, including the paragraphs entitled "DISCLAIMER" and "RELEASE AND INDEMNIFICATION", and by my signature below, I affirm that I understand these terms and conditions and accept them as part of my REQUEST FOR A CERTIFIED HAZARDOUS MATERIALS RECORDS SEARCH FINDING REPORT.

I hereby request a Certified Hazardous Materials Records Search Finding Report for the location described on Page 1 of this application.

- ☐ **I am including payment of the initial fee of $136.00, for the first hour of research, by check or money order, payable to San Bernardino County Fire Protection District, or by credit card payment taken over the phone. I understand that research exceeding one hour will be billed at the rate of $136.00 for each additional hour spent by SBCFPD in completing this request.**
- ☐ **I have faxed or emailed this request and will forward payment along with the original request form within 48 hours.**

REQUESTOR'S SIGNATURE	
SIGNATURE OF REQUESTOR Shannen Castagno	DATE 6/22/20

Rev. 07/09/2018

SAN BERNARDINO COUNTY
FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

MARK A. HARTWIG
Fire Chief/Fire Warden

October 29, 2014

CMS STEEL FABRICATORS INC
6565 N MACARTHUR BLVD 800
IRVING, TX 75039

SUBJECT: REMOVAL OF UNDERGROUND STORAGE TANK (S)
LOCATED AT CMC REBAR-ETIWANDA
12451 ARROW RTE, RANCHO CUCAMONGA, CA 91739
(LOG#070914-01, SR#0044292, FA#0003266)

This Department has received the closure information including analytical soil sampling results associated with this UST removal. The soil sampling activity and removal of (1) 12,000 gallon double walled fiberglass UST was witnessed by a representative of this Department on August 14, 2014. Soil samples were collected within the tank excavation at approximately 16 feet below grade and from the area where the dispenser was removed at 6 feet below grade. Total petroleum hydrocarbons and volatile organic results were near or below detection limits.

Based on the information in the above referenced report and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action is required. Please be advised that this no further action determination does not relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which are a nuisance, cause or threaten to cause pollution, or otherwise pose a threat to water quality or public health.

This notice is pursuant to the permanent closure requirements contained in Section 2672 of Title 23 of the California Code of Regulations and Section 25298 (c) of the California Health and Safety Code.

If you have any questions, please contact the undersigned at (909) 386-8464 or email tcongdon@sbcfire.org.

THERESA CONGDON
Hazardous Materials Specialist, REHS, ICC-UI
Underground Storage Tank Program

CC: Dennis Rock Construction

GREGORY C. DEVEREAUX
Chief Executive Officer

Board of Supervisors
ROBERT A. LOVINGOOD .....First District
JANICE RUTHERFORD.....Second District
JOSIE GONZALES.....Fifth District
JAMES RAMOS .....Third District
GARY C. OVITT.....Fourth District

Associated Laboratories
806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com

ACCREDITED IN ACCORDANCE WITH nelac
04232CA

Client: Dennis D. Rock Construction/1st Alert
Address: 923 Chippewa
Anaheim, CA 92801

Attn: Dennis D. Rock

Comments: 12451 Arrow Rte., Rancho Cucamunga

Lab Request: 344869
Report Date: 08/21/2014
Date Received: 08/14/2014
Client ID: 2320

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
344869-001	T1-S
344869-002	T1-N
344869-003	T1-D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Nina Prasad
President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 45 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Matrix: Solid **Client:** Dennis D. Rock Construction/1st Alert **Collector:** Client
Sampled: 08/14/2014 09:42 **Site:**
Sample #: 344869-001 **Client Sample #:** T1-S **Sample Type:**

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B NELAC	**Prep Method:** EPA 3545					**QCBatchID:**	QC1148750
TPH Diesel	**1.26**	1	1	mg/Kg	08/18/14	lyt	
Surrogate	*% Recovery*		*Limits*	*Notes*			
Triacontane (SUR)	*126*		*60-140*				
Method: EPA 8260B NELAC	**Prep Method:** EPA 5035					**QCBatchID:**	QC1148786
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,1-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromoethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,4-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
2,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Butanone (MEK)	ND	1	100	ug/Kg	08/15/14	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Isopropyltoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	08/15/14	nicollez	
Acetone	ND	1	100	ug/Kg	08/15/14	nicollez	
Allyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Benzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromochloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromodichloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromoform	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Carbon Tetrachloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorodibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroform	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Dibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	

Matrix:	Solid	**Client:**	Dennis D. Rock Construction/1st Alert	**Collector:**	Client
Sampled:	08/14/2014 09:42	**Site:**			
Sample #:	344869-001	**Client Sample #:**	T1-S	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Dichlorodifluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Hexachlorobutadiene	ND	1	5	ug/Kg	08/15/14	nicollez	
Isopropylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
m and p-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Methylene chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Naphthalene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-propylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
o-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Sec-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Styrene	ND	1	5	ug/Kg	08/15/14	nicollez	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg	08/15/14	nicollez	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg	08/15/14	nicollez	
Tert-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Tetrachloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Toluene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,2-dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichlorofluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Vinyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Xylenes (Total)	ND	1	5	ug/Kg	08/15/14	nicollez	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*82*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromodifluoromethane (SUR)	*90*	*70-145*	
Toluene-d8 (SUR)	*100*	*70-145*	

Matrix: Solid **Client:** Dennis D. Rock Construction/1st Alert **Collector:** Client
Sampled: 08/14/2014 09:53 **Site:**
Sample #: 344869-002 **Client Sample #:** T1-N **Sample Type:**

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B NELAC	**Prep Method:** EPA 3545					**QCBatchID:**	QC1148750
TPH Diesel	1.02	1	1	mg/Kg	08/18/14	lyt	
Surrogate	*% Recovery*		*Limits*	*Notes*			
Triacontane (SUR)	*89*		*60-140*				
Method: EPA 8260B NELAC	**Prep Method:** EPA 5035					**QCBatchID:**	QC1148786
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,1-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromoethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,4-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
2,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Butanone (MEK)	ND	1	100	ug/Kg	08/15/14	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Isopropyltoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	08/15/14	nicollez	
Acetone	ND	1	100	ug/Kg	08/15/14	nicollez	
Allyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Benzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromochloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromodichloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromoform	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Carbon Tetrachloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorodibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroform	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Dibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	

Matrix: Solid **Client:** Dennis D. Rock Construction/1st Alert **Collector:** Client
Sampled: 08/14/2014 09:53 **Site:**
Sample #: 344869-002 **Client Sample #:** T1-N **Sample Type:**

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Dichlorodifluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Hexachlorobutadiene	ND	1	5	ug/Kg	08/15/14	nicollez	
Isopropylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
m and p-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Methylene chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Naphthalene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-propylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
o-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Sec-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Styrene	ND	1	5	ug/Kg	08/15/14	nicollez	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg	08/15/14	nicollez	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg	08/15/14	nicollez	
Tert-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Tetrachloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Toluene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,2-dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichlorofluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Vinyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Xylenes (Total)	ND	1	5	ug/Kg	08/15/14	nicollez	

Surrogate	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromodifluoromethane (SUR)	*91*	*70-145*	
Toluene-d8 (SUR)	*103*	*70-145*	

Matrix: Solid **Client:** Dennis D. Rock Construction/1st Alert **Collector:** Client
Sampled: 08/14/2014 09:59 **Site:**
Sample #: 344869-003 **Client Sample #:** T1-D **Sample Type:**

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B NELAC	**Prep Method:** EPA 3545					**QCBatchID:**	QC1148750
TPH Diesel	**1.52**	1	1	mg/Kg	08/18/14	lyt	
Surrogate	*% Recovery*		*Limits*	*Notes*			
Triacontane (SUR)	*99*		*60-140*				
Method: EPA 8260B NELAC	**Prep Method:** EPA 5035					**QCBatchID:**	QC1148786
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,1-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,1-Dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,3-Trichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dibromoethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
1,3-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
1,4-Dichlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
2,2-Dichloropropane	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Butanone (MEK)	ND	1	100	ug/Kg	08/15/14	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	08/15/14	nicollez	
2-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Chlorotoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Isopropyltoluene	ND	1	5	ug/Kg	08/15/14	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	08/15/14	nicollez	
Acetone	ND	1	100	ug/Kg	08/15/14	nicollez	
Allyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Benzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromochloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromodichloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromoform	ND	1	5	ug/Kg	08/15/14	nicollez	
Bromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Carbon Tetrachloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorobenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Chlorodibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloroform	ND	1	5	ug/Kg	08/15/14	nicollez	
Chloromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Dibromomethane	ND	1	5	ug/Kg	08/15/14	nicollez	

Matrix: Solid	**Client:** Dennis D. Rock Construction/1st Alert		**Collector:** Client		
Sampled: 08/14/2014 09:59	**Site:**				
Sample #: 344869-003	**Client Sample #:** T1-D		**Sample Type:**		

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Dichlorodifluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Hexachlorobutadiene	ND	1	5	ug/Kg	08/15/14	nicollez	
Isopropylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
m and p-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Methylene chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg	08/15/14	nicollez	
Naphthalene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
N-propylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
o-Xylene	ND	1	5	ug/Kg	08/15/14	nicollez	
Sec-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Styrene	ND	1	5	ug/Kg	08/15/14	nicollez	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg	08/15/14	nicollez	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg	08/15/14	nicollez	
Tert-butylbenzene	ND	1	5	ug/Kg	08/15/14	nicollez	
Tetrachloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Toluene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,2-dichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,3-dichloropropene	ND	1	5	ug/Kg	08/15/14	nicollez	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichloroethene	ND	1	5	ug/Kg	08/15/14	nicollez	
Trichlorofluoromethane	ND	1	5	ug/Kg	08/15/14	nicollez	
Vinyl Chloride	ND	1	5	ug/Kg	08/15/14	nicollez	
Xylenes (Total)	ND	1	5	ug/Kg	08/15/14	nicollez	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*91*	*70-145*	
4-Bromofluorobenzene (SUR)	*109*	*70-145*	
Dibromodifluoromethane (SUR)	*86*	*70-145*	
Toluene-d8 (SUR)	*100*	*70-145*	

QCBatchID: QC1148750	**Analyst:** lytagas	**Method:** EPA 8015B	
Matrix: Solid	**Analyzed:** 08/15/2014	**Instrument:** SVOA-GC (group)	

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1148750MB1					
TPH (C10 to C22)	ND	mg/Kg		3	
TPH (C22 to C36)	ND	mg/Kg		5	
TPH (C6 to C10)	ND	mg/Kg		3	
TPH Diesel	ND	mg/Kg		1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1148750LCS1											
TPH Diesel	25		17.6		mg/Kg	70			70-130		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1148750MS1, QC1148750MSD1												**Source: 344869-001**
TPH Diesel	1.26	25	25	26.0	25.7	mg/Kg	99	98	1.2	70-130	30	

QCBatchID: QC1148786	**Analyst:** nicollez	**Method:** EPA 8260B	
Matrix: Solid	**Analyzed:** 08/15/2014	**Instrument:** VOA-MS (group)	

Blank Summary

Analyte	Blank Result	Units		RDL	Notes	
QC1148786MB1						
1,1,1,2-Tetrachloroethane	ND	ug/Kg		5		
1,1,1-Trichloroethane	ND	ug/Kg		5		
1,1,2,2-Tetrachloroethane	ND	ug/Kg		5		
1,1,2-Trichloroethane	ND	ug/Kg		5		
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg		5		
1,1-Dichloroethane	ND	ug/Kg		5		
1,1-Dichloroethene	ND	ug/Kg		5		
1,1-Dichloropropene	ND	ug/Kg		5		
1,2,3-Trichlorobenzene	ND	ug/Kg		5		
1,2,3-Trichloropropane	ND	ug/Kg		5		
1,2,4-Trichlorobenzene	ND	ug/Kg		5		
1,2,4-Trimethylbenzene	ND	ug/Kg		5		
1,2-Dibromo-3-chloropropane	ND	ug/Kg		5		
1,2-Dibromoethane	ND	ug/Kg		5		
1,2-Dichlorobenzene	ND	ug/Kg		5		
1,2-Dichloroethane	ND	ug/Kg		5		
1,2-Dichloropropane	ND	ug/Kg		5		
1,3,5-Trimethylbenzene	ND	ug/Kg		5		
1,3-Dichlorobenzene	ND	ug/Kg		5		
1,3-Dichloropropane	ND	ug/Kg		5		
1,4-Dichlorobenzene	ND	ug/Kg		5		
2,2-Dichloropropane	ND	ug/Kg		5		
2-Butanone (MEK)	ND	ug/Kg		100		
2-Chloroethyl Vinyl Ether	ND	ug/Kg		5		
2-Chlorotoluene	ND	ug/Kg		5		
4-Chlorotoluene	ND	ug/Kg		5		
4-Isopropyltoluene	ND	ug/Kg		5		
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg		5		
Acetone	ND	ug/Kg		100		
Allyl Chloride	ND	ug/Kg		5		
Benzene	ND	ug/Kg		5		
Bromobenzene	ND	ug/Kg		5		
Bromochloromethane	ND	ug/Kg		5		
Bromodichloromethane	ND	ug/Kg		5		
Bromoform	ND	ug/Kg		5		
Bromomethane	ND	ug/Kg		5		
Carbon Tetrachloride	ND	ug/Kg		5		
Chlorobenzene	ND	ug/Kg		5		
Chlorodibromomethane	ND	ug/Kg		5		
Chloroethane	ND	ug/Kg		5		
Chloroform	ND	ug/Kg		5		
Chloromethane	ND	ug/Kg		5		
cis-1,2-Dichloroethene	ND	ug/Kg		5		
cis-1,3-dichloropropene	ND	ug/Kg		5		
cis-1,4-dichloro-2-butene	ND	ug/Kg		5		
Dibromomethane	ND	ug/Kg		5		
Dichlorodifluoromethane	ND	ug/Kg		5		
Di-isopropyl ether (DIPE)	ND	ug/Kg		5		
Ethylbenzene	ND	ug/Kg		5		
Ethyl-tertbutylether (ETBE)	ND	ug/Kg		5		

QCBatchID: QC1148786	Analyst: nicollez	Method: EPA 8260B
Matrix: Solid	Analyzed: 08/15/2014	Instrument: VOA-MS (group)

Analyte	Blank Result	Units		RDL	Notes
QC1148786MB1					
Hexachlorobutadiene	ND	ug/Kg		5	
Isopropylbenzene	ND	ug/Kg		5	
m and p-Xylene	ND	ug/Kg		5	
Methylene chloride	ND	ug/Kg		5	
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg		5	
Naphthalene	ND	ug/Kg		5	
N-butylbenzene	ND	ug/Kg		5	
N-propylbenzene	ND	ug/Kg		5	
o-Xylene	ND	ug/Kg		5	
Sec-butylbenzene	ND	ug/Kg		5	
Styrene	ND	ug/Kg		5	
t-Butyl alcohol (TBA)	ND	ug/Kg		10	
Tert-amylmethylether (TAME)	ND	ug/Kg		5	
Tert-butylbenzene	ND	ug/Kg		5	
Tetrachloroethene	ND	ug/Kg		5	
Toluene	ND	ug/Kg		5	
TPH Gasoline	ND	ug/Kg		100	
trans-1,2-dichloroethene	ND	ug/Kg		5	
trans-1,3-dichloropropene	ND	ug/Kg		5	
trans-1,4-dichloro-2-butene	ND	ug/Kg		5	
Trichloroethene	ND	ug/Kg		5	
Trichlorofluoromethane	ND	ug/Kg		5	
Vinyl Chloride	ND	ug/Kg		5	
Xylenes (Total)	ND	ug/Kg		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1148786LCS1											
1,1-Dichloroethene	50		54		ug/Kg	108			59-172		
Benzene	50		51		ug/Kg	102			62-137		
Chlorobenzene	50		55		ug/Kg	110			60-133		
Methyl-t-butyl Ether (MTBE)	50		44		ug/Kg	88			62-137		
Toluene	50		54		ug/Kg	108			59-139		
TPH Gasoline	500				ug/Kg				60-140		
Trichloroethene	50		57		ug/Kg	114			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1148786MS1, QC1148786MSD1												**Source: 344869-002**
1,1-Dichloroethene	ND	50	50	48	47	ug/Kg	96	94	2.1	59-172	22	
Benzene	ND	50	50	47	46	ug/Kg	94	92	2.2	62-137	24	
Chlorobenzene	ND	50	50	50	51	ug/Kg	100	102	2.0	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	41	42	ug/Kg	82	84	2.4	62-137	21	
Toluene	ND	50	50	47	47	ug/Kg	94	94	0.0	59-139	21	
Trichloroethene	ND	50	50	48	49	ug/Kg	96	98	2.1	66-142	21	

Data Qualifiers and Definitions

Qualifiers

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
B1	Analyte was present in an associated method blank greater than MDL but less than DRL. Associated sample data was reported with qualifier.
BQ1	No valid test replicates. Result may be greater. Best result was reported with qualifier. Sample toxicity possible.
BQ2	No valid test replicates.
BQ3	Minimum DO is less than 1.0 mg/L. Result may be greater and reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
Q1	Analyte Calibration Verification exceeds criteria and the result was reported with qualifier.
Q2	Analyte calibration was not verified and the result was estimated and reported with qualifier.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated and reported with qualifier.
Q4	Analyte result out of calibration range and was reported with qualifier
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
TIC	Tentatively Identified Compounds

Definitions

DF	Dilution Factor
MDL	Method Detection Limit
ND	Analyte was not detected or was less than the detection limit.
RDL	Reporting Detection Limit

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

(✓) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name TAMCO

Address 12451 Arrow Route

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

The removal of underground storage tank shall conducted in accordance UFC, Article 79, 2001 Edition (4) 12000 gallon Tanks)

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name X Ecology Control Ind Phone X (310) 628-4258

Applicant's Signature X [signature] Date X 5/3/06

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED (✓)
DENIED ( )

[signature] 5/4/06
(Signature) (Date)

P&I
(Title)

RON NEE
FIRE AGENCY REPRESENTATIVE

TELEPHONE (909) 477-2770

Fee Due $_____ Date Paid_____

Rev. 3/92

4879

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE SAFETY DIVISION

PERMIT

NAME OF BUSINESS: **TAMCO** DATE: **5/3/2006**

ADDRESS: **12451 Arrow Route** PHONE: **310-628-4258**

TO: (Type of permitted use / activity)

Underground Storage Tanks: Removal of UST in accordance with CFC Articles 52 & 79, 2001 Edition

AT: (Location of permitted use / activity) **12451 Arrow Route** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: **(4) 12,000 gallon fuel oil tanks**

This permit does not take place of any license required by law. This permit isnot transferable. Any change in the use or occupancy of premises shall require a new permit

Expiration Date: INDEFINITE

Issued By: **Ron Nee** W. Nee

Title: **Sr. Plans Examiner/FSD** RCFPP Set

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2004

1 ADMINISTRATION BUILDING

OCCUPANCY B-2

CONST TYPE II-n SPRINKLERED

ACTUAL AREA 14,000 S.F.

PERMITTED AREA:
2 HR WALL PER
SECTION 505

AREA AMENDED
AS ONE UNDER
SEC 503 (a) EXCEPTION
506 (b).

2 FAB. SHOP / STORAGE

OCCUPANCY

CONST TYPE II-n

AREA JUSTIFICATION

BASIC ALLOWABLE AREA 18,000 S.F.

INCREASE 4 60' SIDE YARDS
UNLIMITED AREA WITHOUT SPRINKLERS
PER 85 UBC SEC. 506 b

PROPOSED AREA SHOP: 70,515
OFFICE 14,000
TOTAL = 84,515 S.F.

PARKING

REQUIRED TOTAL 161 STALLS

FABR. MANUF. 1/500 = 69 STALLS
(69,875 S.F.)

STORAGE, MAINT 1/1000 = 24 STALLS
(24,640 S.F.)

ADMINISTRATION 1/250 = 56 STALLS
(14,000 S.F.)

PROVIDED TOTAL 171 STALLS

STANDARD 127 STALLS

20% COMPACT 38 STALLS

HANDICAP 4 STALLS

SITE PLAN

RECEIVED

FOOTHILL FIRE PROTECTION DISTRICT
☐ 1. APPROVED AS SUBMITTED
☐ 2. APPROVED AS NOTED. RESUBMISSION NOT NECESSARY
X 3. UNACCEPTABLE RESUBMIT WITH CORRECTIONS
☐ 4. OTHER COUNTER CHECK 6/23/89
ITEMS CORRECTED IB
THIS APPROVAL DOES NOT CONSTITUTE APPROVAL FOR REQUIREMENTS OTHER THAN THOSE OF THE FIRE DISTRICT AND DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH ALL REGULATIONS.
DATE 6/13/89 REVIEWED BY [illegible]
FIRE DEPT 20/6

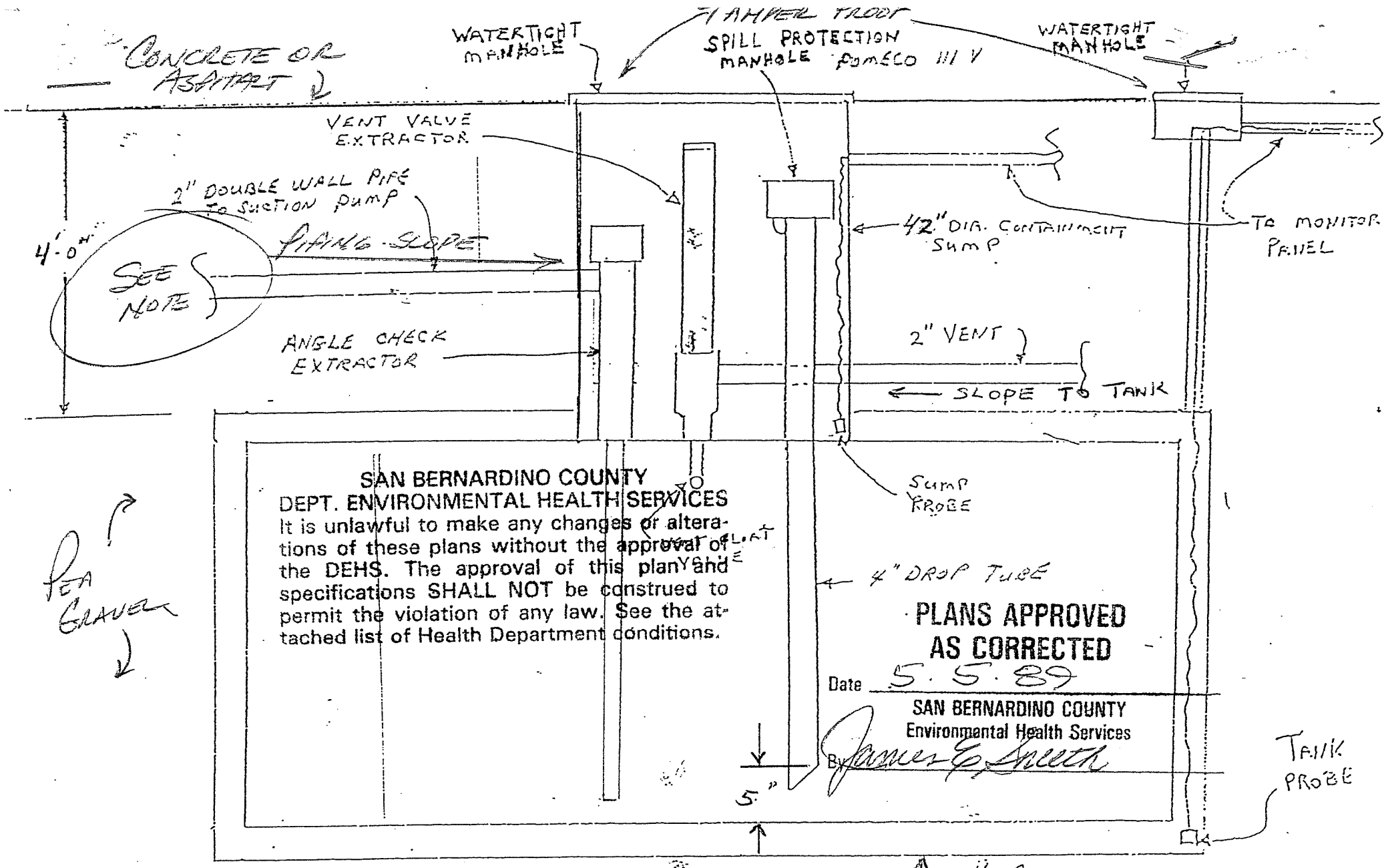
McAlpin Constructors
15703 LAMAR AVENUE, PARAMOUNT, CA 90723

RECEIVED
JUN 9 1989
BRYAN & ASSOCIATES

FONTANA STEEL, INC.
12451 ARROW ROUTE
RANCHO CUCAMONGA, CA 91730

FIRE & LIFE SAFETY PLAN REVIEW
PLANS NOT RECOMMENDED FOR APPROVAL
Refer to Plan Review Report for Corrections
ADDITIONAL PLANS REQUIRED
☐ ORIGINAL SET MARKED WITH CORRECTIONS
☐ SPRINKLER SYSTEM
☐ FIRE ALARM SYSTEM
☐ SPRINKLER ALARM MONITORING
☐ OTHER:
☐ HYDRANT / WATER SYSTEM
☐ LANDSCAPING
☐ GRADING
INITIALS:

PROJECT NO.
BY
CHECKED BY
DATE
SHEET



12,000 GAL OWENS-CORNING DOUBLE WALL DIESEL TANK
2" A.O. SMITH FRP PRODUCT LINE
3" "TOTAL CONTAINMENT" SECONDARY CONTAINMENT PIPE
LEAK-A-LERT MONITOR SYSTEM
PEA GRAVEL BACKFILL
NOTE: SECONDARY CONTAINMENT MUST CONTINUE TO ABOVE GRADE AT DISPENSER

FONTANA STEEL INC.
RANCHO CUCAMONGA, CA.

HY-SERCO INC.
15528 ROSALES ALLEY
PARAMOUNT, CA 90723
213 - 531 7232

County of San Bernardino — Environmental Public Works Agency
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES

UNDERGROUND STORAGE TANK INSPECTION FORM

FACILITY NAME Fontana Steel CONTACT PERSON Eugene

SITUS ADDRESS 12451 Foothill Blvd OTHERS PRESENT

MAILING ADDRESS Same PO. 2219 RAC. 91729-2219 PHONE NUMBER (714) 899-2142

LEAK DETECTION/MONITORING METHOD D-Tech NUMBER OF TANKS 1

ALL VIOLATIONS ARE INDICATED BY A CHECKED BOX AND MUST BE CORRECTED IMMEDIAT

Violation		GENERAL REQUIREMENTS (All Tanks)	Sweeps
	1.	TANK/HANDLER PERMITS CURRENT?	1
	2.	VISUAL SIGNS OF LEAKAGE? (FILL BOX/TURBINE/DISPENSERS)	
	3.	PRODUCT CHANGES? (TANK COMPATABILITY/ BUSINESS PLAN)?	3
	4.	CORROSION PROTEC./MAINT. CERT. AVAILABLE?	
	5.	PRECISION TEST RECORDS AVAILABLE?	13
	6.	FUEL DISPENSERS CALIBRATED? (EVERY 6 MONTHS)	
	7.	NOTIFICATION PROCEDURE SIGNS POSTED?	25
	8.	BUSINESS PLAN SUBMITTED/APPROVED/CURRENT?	
		TANKS INSTALLED PRIOR TO 1/1/84	
	9.	MONITORING PROPOSAL SUBMITTED AND APPROVED?	9
	10.	QTLY. REPORTS SUBMITTED AND AVAILABLE?	
	11.	INVENTORY REC. RECORDS COMPLETE/TAKEN DAILY/ AVAILABLE?	15
	12.	INVENTORY RECORDS CORRECTLY RECONCILED?	21
	13.	PRODUCT LOSS EXCEEDS LIMITS?	27
	14.	DIPSTICK IN GOOD CONDITION? INDICATOR PASTE USED?	23

Violation		TANKS INSTALLED
	15.	TANK AND PIPING
	16.	ELECTRONIC INVEN
	17.	AUDIBLE/VISUAL A
	18.	IN ALARM? PIPELIN PRESENT/OPERATI
	19.	MON. FREQ. APPR ANNUAL MAINT. C
	20.	LEAK DETECTION
		MONITORING WEL
	21.	MON. WELLS PRO
	22.	WATER SAMPLE A CONT. ELEC. MON
	23.	VADOSE WELLS-P 6 MO. MAINT. CE
		WASTE TANKS ONLY
	24.	CONTENTS VERIFIED? MANIFESTS AVAILABLE?
	25.	MEASUREMENTS TAKEN AT BEGINNING AND END OF WORKDAY?

1- 12,000 gallon tank, diesel - D-Tech monitoring system. automatic inventory for fuel readings Job card not signed off on site. Ok in folder.

Est. #8901S295 - need to change mailing address to P.O. Box 2219 Rancho Cucamonga 91729-2219.

No discrepancies noted during inspection

Diane Miller
Inspector

Eugene Kaney
Received By

06/18/90
Date

12720

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
PERMIT

NAME OF BUSINESS: **CMC Rebar Etiwanda** DATE ISSUED: **08-07-2014**

ADDRESS: **12451 Arrow Rte, Rancho Cucamonga** PHONE: **714-920-2123**

TO: (Type of permitted use / activity)

Hazardous Materials Tnk Removal
Inspection required prior to removal
Date 8-14-14 8:00am

AT: (Location of permitted use / activity) **12451 Arrow Rte, Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

Contact: Dennis Rock 714-920-2123 cell

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **08-14-2014**

Issued By: **Rob Ball**

Title: **Fire Marshal**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive • Rancho Cucamonga, California 91730 • (909) 477-2770

NOTICE OF PAYMENT DUE / APPLICATION FOR PERMIT 7616

NTC # _____ Page ___ of ___

Business Name: Dennis D. Rock Construction — Date: Aug 6, 2014

Business Address: 12451 Arrow Rte - CMC Rebar — Phone: (714) 920-2123

Applicant's / Responsible Party's Name: Dennis D Rock

Address: _____ — Phone: _____

City: _____ — State: _____ Zip: _____

☐ Inspection Fee(s) Only; Permit Not Required ☐ Permit and Inspection Fees ☐ Permit Fee(s) Only

☐ The Applicant named above hereby applies for an Operational Permit pursuant to Chapter 1, Section 105 of the California Fire Code as amended. The Applicant certifies that permitted operations shall at all times be in accordance with the Fire Code and applicable Fire District Standards and Regulations. The premises where the permitted operations are conducted are subject at all times to inspections to ensure compliance with the conditions of the permit. Issued permits are subject to revocation for cause as allowed by the Fire Code. Approval of this permit application and/or issuance of an Operational Permit does not imply approval of any Zoning, Planning, or Building Code provision, requirement, or regulation.

Permit Code	Inspection and/or Permit Category / Subcategory	Fee
	Hazardous Materials Tank Removal	$1,128
	Inspection required prior to Removal	
	* date requested Aug 14th	
	• SB County sch @ 8 AM	
	* contact Dennis Rock - (714) 920-2123	
	Total Due	$1,128

☐ Annual Permit ☒ Single Use Permit ☐ Non-Profit Organiztion Fee Reduction Applied ☐ Fee Waived per District Policy

Applicant's Signature _____ **Date** _____

By signing, Applicant acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include invoice number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order along with the Remittance Copy to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807**. Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Dr. Payments are considered past due at 30 days from the date of the Notice of Payment Due. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating. Approved permits will not be issued until all Fire Code violations have been corrected and permit fees have been paid. Conducting regulated operations without a permit could result in the issuance of an Administrative Citation.

Inspector: Jessica Estrella (Printed Name) _____ (Signature) Aug 6, 2014 (Date)

**********FIRE DISTRICT USE ONLY**********

APPLICATION IS: APPROVED ( ) DENIED ( ) Reason for Denial: _____

Date Paid: 8-6-14 Payment Amount: 1128 Payment Method: Cash Credit Card (Check #) 3891

Form: FIB 01; Revised Nov 2010

Distribution: White – Fire Administration; Yellow – Remittance Copy; Pink – Applicant's Copy

Appendix A

Rancho Cucamonga Fire Protection District

Prevention Bureau

10500 Civic Center Dr., Rancho Cucamonga, CA 91729 909-477-2770 fax 909-477-2772

Application for Permit to Abandon/Remove Hazardous Materials Storage Tank

Note: This permit is only issued to licensed California Contractors and Property Owners

Date(s): 8/11/14 & 8/14/14 **Time:** 7AM

Site Information

Site Address: 12451 ARROW ROUTE Phone Number: 9098031518

Name of Business: CMC REBAR-ETIWANDA Contact Person: Tim Folsom

Applicant Information

Company Name: _____ Phone Number: _____

Address: _____ Contact Person: _____

Contractor Information

Company Name: LENSARO INC. dba 1ST ALERT/DENNIS D. ROCK CONSTRUCTION Phone Number: 7147761581

Address: 923 CHIPPEWA, ANAHEIM CA. 92801 Contact Person: DENNIS D. ROCK

Method of Abandonment (check one)

- [X] Triple rinsed, certified, rendered inert, and hauled from site
- [ ] Hauled as hazardous waste
- [ ] Triple rinsed, certified, filled with slurry, and abandoned in place

Briefly describe the scope of work to be performed and the number of tanks to be removed/abandoned:

REMOVAL of ONE 12,000 gal fg diesel TANK

Applicant's Name: DENNIS D. ROCK CONST Phone Number: 7147761581

Applicant's Signature: Dennis D. Rock Date: 8/6/14

**********FIRE DISTRICT USE ONLY**********

Approved by: Jessica Estrella Phone Number: (909) 477-2770

Fees Due: $1,128 Date Paid: 8/6/14

RCFPD Standard # 57-1

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ 515.00 First Tank

$ _____ Each Additional Tank Number of Tanks this Application 1

JOB LOCATION

Facility Name	Contact Person	Phone No.
CMC REBAR	TIM FALCONE	909 803 1515
Situs Address	**City**	**Zip Code**
12457 ARROW ROUTE	RANCHO CUCAMONGA	91739
Water/Sewer Agency	**Fire**	

PROPERTY OWNER

Name	Phone No.
CMC STEEL	909 803 1515
Mailing Address	**City** / **Zip Code**
12457 ARROW ROUTE	91739
Owner's Representative	**Phone No.**

TANK CONTENTS

DIESEL

LEVEL 1/2 FULL

CONTRACTOR

Company Name	Contact Person	Phone No.
DENNIS D. ROCK CONSTRUCTION	DENNIS D. ROCK	714 776 1581
Mailing Address	**City**	**Zip Code**
923 CHIPPEWA	ANAHEIM	92801
Workman's Comp Insurance Carrier	**Policy No.**	
STATE FUND	1864904-14	
State Contractor's License No.	**Types of Licenses**	**Expiration Date**
578191 & 776174	A, B, HAZ	7/31/2015 & 6/30/15

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Print Name Clearly	Phone
DENNIS D. ROCK	714 776 1581
Signature	**Date**
	7/9/14

OFFICE USE ONLY

Under Permit ☐ No ☒ Yes — Facility I.D. Number

Number of Tanks: 1

Fees Current ☐ No — Delinquent Amount

☒ Yes — Expiration Date 12-31-2014

Permit Fee Paid THIS Application: 515.00 / Receipt Number: 7093

Check Number: 1001

Date Paid: 7-9-14

Taken by: [illegible]

Log Number: 11-2058 Job Card Number

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

LOG # Closure-81 JOB CARD No. 11232

INSTALL _____ REMOVE _____

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name Cable Kerber - Etiwanda
Address 12451 Arrow Rte Rancho Cucamonga
Contractor Vasco Knight
Address/Phone _____

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X	1 - 12,000 gallon Steel UST	
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements	3 Samples 8260 & 8015M diesel	
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks: Witnessed UST Removal & Soil Sampling
8/14/14

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 10 days

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 9-30-14

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: *White — County Fire Department*
Green — Contractor/Owner

11647

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: **CMC Rebar** DATE ISSUED: **08-05-2013**

ADDRESS: **12451 Arrow Rte, Rancho Cucamonga** PHONE: **909-803-1500**

TO: (Type of permitted use / activity)

Operate a Motor Vehicle Fuel-Dispensing station dispensing flammable and/or combustible liquids, liquefied petroleum gases, compressed natural gases, or similar substances intended for use as a motor vehicle fuel in accordance with Chapter 22 of the 2010 California Fire Code. Unattended self serve diesel 8,000 gallon UST.

AT: (Location of permitted use / activity) **12451 Arrow Rte, Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **02-28-2014**

Issued By: **Shane Adams**

Title: **FPSII**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

11649

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: **CMC Rebar** DATE ISSUED: **08-05-2013**

ADDRESS: **12451 Arrow Rte, Rancho Cucamonga** PHONE: **909-803-1500**

TO: (Type of permitted use / activity)

Store, handle, and/or dispense Liquefied Petroleum Gas in accordance with Chapters 27 and 38 of the 2010 California Fire Code. Propane 1,150 gallon tank.

AT: (Location of permitted use / activity) **12451 Arrow Rte, Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **02-28-2014**

Issued By: **Shane Adams**

Title: **FPSII**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive • Rancho Cucamonga, California 91730 • (909) 477-2770

NOTICE OF PAYMENT DUE / APPLICATION FOR PERMIT

6096

NTC # 19573 Page ___ of ___

Business Name: CMC REBAR

Date: FEBRUARY 25, 2013

Business Address: 12451 ARROW ROUTE

Phone: 909-803-1500

Applicant's / Responsible Party's Name: ~~DE~~ ED MEDINA

Address: _____ Phone: _____

City: _____ State: _____ Zip: _____

☐ Inspection Fee(s) Only; Permit Not Required ☐ Permit and Inspection Fees ☒ Permit Fee(s) Only

☒ The Applicant named above hereby applies for an Operational Permit pursuant to Chapter 1, Section 105 of the California Fire Code as amended. The Applicant certifies that permitted operations shall at all times be in accordance with the Fire Code and applicable Fire District Standards and Regulations. The premises where the permitted operations are conducted are subject at all times to inspections to ensure compliance with the conditions of the permit. Issued permits are subject to revocation for cause as allowed by the Fire Code. Approval of this permit application and/or issuance of an Operational Permit does not imply approval of any Zoning, Planning, or Building Code provision, requirement, or regulation.

Permit Code	Inspection and/or Permit Category / Subcategory	Fee
MVFD	MOTOR VEHICLE FUEL DISPENSING.	330.00
	UNATTENDED, SELFSERVE DIESEL.	
	18,000 GALLON UST.	
HW	HOT WORK PROGRAM	165.00
LPG	PROPANE. 1,150 GALLON TANK	220.00
	Total Due	715.00

☒ Annual Permit ☐ Single Use Permit ☐ Non-Profit Organiztion Fee Reduction Applied ☐ Fee Waived per District Policy

Applicant's Signature MAILED **Date** _____

By signing, Applicant acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include invoice number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order along with the Remittance Copy to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807**. Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Dr. Payments are considered past due at 30 days from the date of the Notice of Payment Due. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating. Approved permits will not be issued until all Fire Code violations have been corrected and permit fees have been paid. Conducting regulated operations without a permit could result in the issuance of an Administrative Citation.

Inspector: SHANE ADAMS (Printed Name) _____ (Signature) FEBRUARY 25, 2013 (Date)

**********FIRE DISTRICT USE ONLY**********

APPLICATION IS: APPROVED ( ) DENIED ( ) Reason for Denial: _____

Date Paid: 4-2-13 Payment Amount: 715— Payment Method: Cash Credit Card Check # 543728

Form: FIB 01; Revised Nov 2010

Distribution: White – Fire Administration; Yellow – Remittance Copy; Pink – Applicant's Copy

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION — FIELD SERVICES/ENVIRONMENTAL PROTECTION
620 South E Street, San Bernardino, CA 92415-0153

UNDERGROUND TANK CONSTRUCTION/ MODIFICATION APPLICATION

$ _____ First Tank

$ _____ Each Additional Tank

TANK INSTALLATION ☐
PIPING ONLY ☐
MODIFICATION ☐

JOB LOCATION

Facility Name and Contact Person | Phone No.

Situs Address | City | Zip Code

Fire | Water/Sewer Agency

PROPERTY OWNER

Name | Phone No.

Mailing Address | City | Zip Code

Owner's Representative | Phone No.

TANK OWNER

Name | Phone No.

Mailing Address | City | Zip Code

TANK DATA

Construction	Size	Contents	U.L. Number

CONTRACTOR

Company Name | Contact Person | Phone No.

Mailing Address | City | Zip Code

Workman's Comp Insurance Carrier | Policy No.

State Contractor's License No. | Types of Licenses | Expiration Date

Print Name Clearly | Phone

Signature | Date

OFFICE USE ONLY

New Facility ☐

Permitted Facility ☒ Yes ☐ No

Facility ID Number

Number of Tanks

Permits Current ☒ Yes ☐ No

Expiration Date

Permit Fee Paid / Receipt Number

Check Number

Date Paid

Taken by

Log Number | Job Card Number

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive • Rancho Cucamonga, California 91730 (909) 477-2770

NOTICE TO CORRECT / INSPECTION REPORT

18843

Business Name: CMC AMERICAS Contact: ED MEDINA Inspection Date: FEB 14, 2012

Business Address: 12451 ARROW ROUTE Phone: 909-803-1500

Owner/Property Management: Phone:

Address: City: State: Zip:

No.	✓	REQUIRED CORRECTIONS
		ACCESS
1		Maintain fire lane free of obstructions.
2		Provide fire lane identification.
3		Provide approved address numbers/building identification.
4		Provide approved key box/lock/switch and/or keys for fire department access.
		EXITING
5		Remove obstructions at exits, doors, aisles, corridors, stairways, etc.
6		Exit door to open without a key or any special knowledge/effort.
7		Provide sign over main exit door - "This door to remain unlocked during business hours".
8		Repair non-operable exit door hardware.
9		Remove obstructions from door required to be closed.
10		Remove locks/latches from doors with panic hardware.
11		Remove storage from unprotected stairway.
12		Provide/maintain exit sign/emergency lighting.
		FIRE EXTINGUISHERS
13		Have fire extinguisher(s) serviced and tagged.
14		Provide/install fire extinguisher(s) as indicated.
15		Provide clear access to fire extinguisher(s).
16		Provide an approved means of indicating fire extinguisher location.
		FIRE PROTECTION EQUIPMENT
17		Maintain, repair, paint, inspect, and/or test sprinkler/standpipe system/hydrant/FDC/PIV.
18		Maintain 3 ft. minimum clearance for access/use of fire appliances/equipment.
19		Secure all system control valves in the open position.
20		Replace damaged/painted/missing sprinkler heads/FDC caps.
21		Provide 5 year certification test for sprinkler/standpipe system.
22		Provide sprinkler coverage in unprotected areas.
23		Provide spare sprinkler heads (min. 6) and/or compatible wrench.
24		Hood and duct extinguishing system to be serviced and tagged.
25		Remove grease from hood, duct, and filters. (KEEP CLEAN)
		FIRE ALARM SYSTEMS
26		Maintain, repair, inspect, and/or test fire alarm system. Provide a copy of the report.
27		Provide/maintain operable smoke detectors in each dwelling unit.
		FIRE SEPARATIONS
28		Repair damage to required fire resistive construction.
29		Provide/repair self or automatic closing fire rated assemblies.
30		Keep attic access and scuttle openings closed.
		ELECTRICAL
31		Discontinue use of extension cords.
32		Install permanent wiring for fixed and stationary appliances.
33		Provide cover plates for all junction boxes. Provide blanks for electrical panel.
34		Remove exposed wiring or protect in approved conduit.
35		Provide a 30x36 inch clear space to and in front of electrical panel.
36		Maintain wiring in good condition and protect from damage.
		FLAMMABLE LIQUIDS • COMPRESSED GASES
37		Provide a flammable liquid storage cabinet or reduce storage to 10 gallons or less.
38		Remove all flammable liquids not used for maintenance purposes.
39		Store flammable liquids away from exits, stairs, or corridors.
40		Clean up spilled flammable liquid.
41		Replace lids on all flammable liquid storage containers not in immediate use.
42		Remove all fueled vehicles from dwelling units.
43		Secure compressed gas cylinders. Identify product name.
		STORAGE • HOUSEKEEPING
44		Arrange storage in an orderly manner to provide access/egress.
45		Remove combustible storage from boiler, mechanical, and electrical room.
46		Reduce storage to 24 inches below ceiling or 18 inches below sprinkler heads.
47		Provide metal or approved non-combustible trash container with lid.
48		Remove lint/debris from behind washers and dryers.
49		Remove waste/rubbish materials from the premises.
50		Keep dumpsters 5 feet away from combustible walls, eaves, or openings.
51		Provide required clearance from combustible materials and/or vegetation.
		MISCELLANEOUS
52		Other violations and comments.

NO VIOLATIONS NOTED - Thank you for helping to keep our community safe!

NO.	LOCATION / REMARKS
52	IT APPEARS THAT THE LPG TANK HAS BEEN REMOVED AND REINSTALLED FROM ITS PREVIOUSLY APPROVED LOCATION. SUBMIT PLANS AND OBTAIN PERMITS AND APPROVALS WITHIN 90 DAYS, OR PROVIDE PLANS, PERMITS, AND DOCUMENTATION FOR THE RE-INSTALLATION.
43	SECURE ALL COMPRESSED GAS CYLINDERS IN AN APPROVED MANNER.
43	STORE LPG CYLINDERS OUT SIDE OF SEA CONTAINERS.
52	REPLACE ALL SIGNAGE FOR DIESEL PUMPS, INCLUDING SHUT-OFF AND SIGNAGE IN ACCORDANCE WITH 2010 CFC SECTION 2204.3.5 AND 22056

INITIAL INSPECTION DATE	INSPECTOR'S NAME (PRINT)

Occupancy Class: Page _____ of _____

By order of the Fire Chief, you are hereby required to immediately make the corrections listed in this report and any attached continuation sheets or show cause why you should not be required to do so. Willful failure to comply with this notice is an infraction or misdemeanor. Violations which are not corrected immediately and/or remain after the re-inspection may be processed as a criminal and/or civil offense or administrative citations may be issued. Referenced code sections are listed on the reverse side of this form.

A re-inspection will be conducted on or after 1 MONTH.

Signature of Recipient: Eduardo Ortiz

☐ Owner ☑ Manager ☐ Employee ☐ Other

Inspecting Officer: SHANE ADAMS

☐ *Updated Emergency Contact Information Form Attached*

Re-Inspection(s)

Date	Date	Date	Date
Date	Date	Date	Date

FPB Form NTC

Distribution: White – File; Yellow – Inspector; Pink – Owner/Occupant

Rev. 03/07/2010

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
PERMIT

Sign

6393

EXP 3/31/13 Per MED

NAME OF BUSINESS: CMC Fabricators DATE ISSUED:

ADDRESS: 12541 Arrow Rte, Rancho Cucamonga PHONE: 760-617-3801

TO: (Type of permitted use / activity)

Install (1) 1,150 Gallon Propane Storage Tank and Remove (1) 15,000 Gallon Propane Storage Tank in accordance with 2007 CFC; Chapter 22 and 38, the RCFPD Ordinance FD46, the 2007 CEC; Article 500 and the 2007 CBC. See the approved plans.

AT: (Location of permitted use / activity) 12541 Arrow Rte Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.This permit shall expire on the last day of the month one year from the application date

Expiration Date:

Issued By:

Title:

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 3/2008

6393

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
PERMIT

NAME OF BUSINESS: CMC Fabricators DATE ISSUED:

ADDRESS: 12541 Arrow Rte, Rancho Cucamonga PHONE: 760-617-3801

TO: (Type of permitted use / activity)

Install (1) 1,150 Gallon Propane Storage Tank and Remove (1) 15,000 Gallon Propane Storage Tank in accordance with 2007 CFC; Chapter 22 and 38, the RCFPD Ordinance FD46, the 2007 CEC; Article 500 and the 2007 CBC. See the approved plans.

AT: (Location of permitted use / activity) 12541 Arrow Rte Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.This permit shall expire on the last day of the month one year from the application date

Expiration Date:

Issued By:

Title:

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 3/2008

PERMIT EXPIRED
WORK DONE IN LAST 180 DAYS
__/__/__

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

(X) Conduct Operations ( ) Manufacture (X) Store (X) Install

( ) Other (Specify)_____

At: Business Name CMC FABRICATORS

Address 12541 ARROW ROUTE, ETIWANDA, CA. 91729

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

INSTALL (1) 1,150 GALLON PROPANE STORAGE TANK.
REMOVE (1) 15,000 GALLON PROPANE STORAGE TANK
IN ACCORDANCE WITH THE 2007 CA FIRE CODE
CHAPTERS 22 AND 38, THE RCFPD ORDINANCE FD46
THE 2007 CA ELECTRICAL CODE ARTICLE 500 AND
THE 2007 CA BLDG. CODE. SEE THE APPROVED PLANS.

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name DOUGLAS R. LOCATELLI Phone 760-617-3801

Applicant's Signature [signature] Date 2-24-09

* FOR FIRE AGENCY USE ONLY * * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED (X) DENIED ( )

[signature] 2/26/09
(Signature) (Date)

Sr. Fire Plans Examiner
(Title)

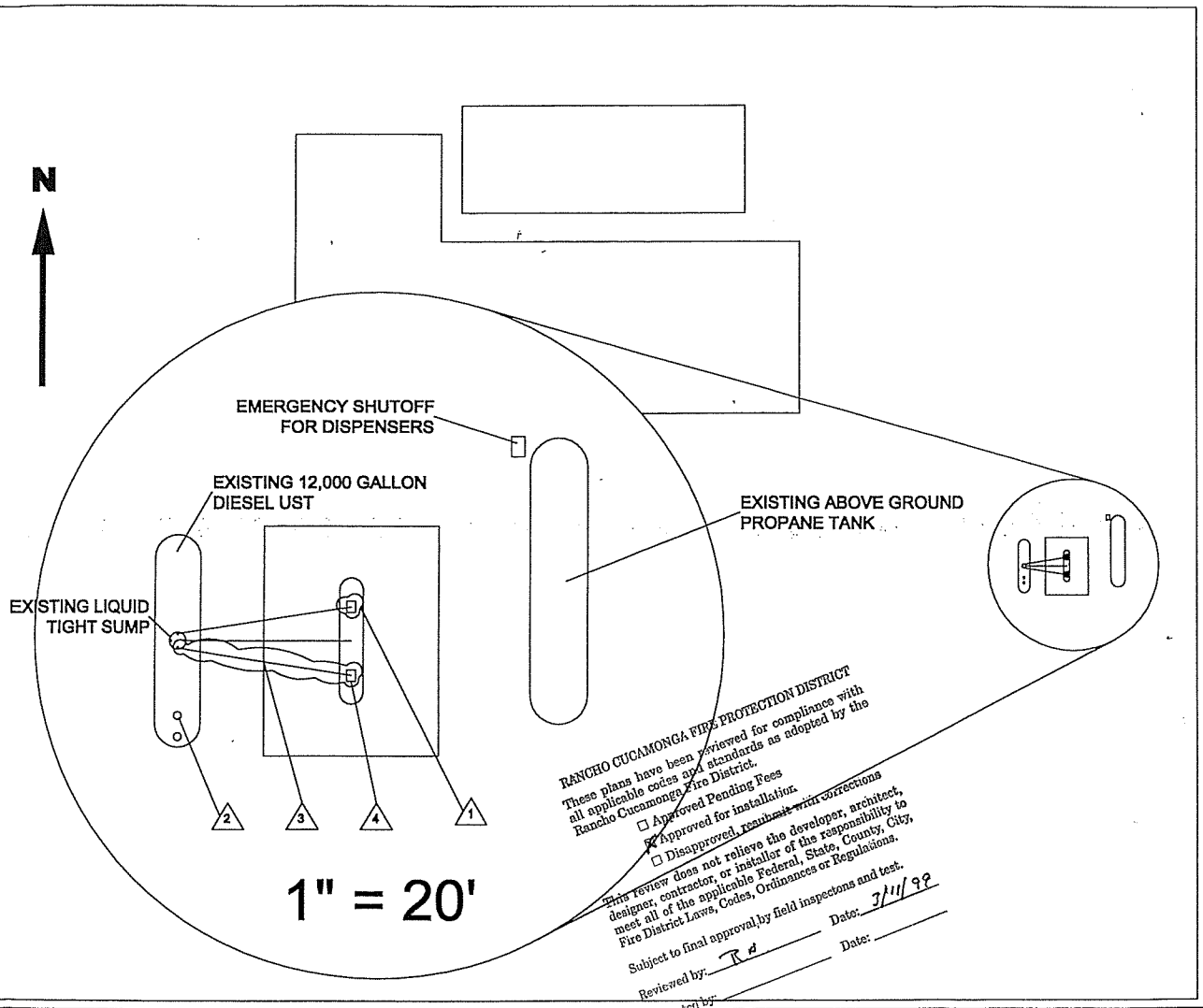
MOISES ESKENAZI
FIRE AGENCY REPRESENTATIVE

TELEPHONE X4209.

Fee Due $240.12 Date Paid_____

Rev. 3/92 Per Resolution FD 06-015.

ARROW HIGHWAY



RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
These plans have been reviewed for compliance with all applicable codes and standards as adopted by the Rancho Cucamonga Fire District.
☐ Approved Pending Fees
☐ Approved for installation.
☐ Disapproved, resubmit with corrections
This review does not relieve the developer, architect, designer, contractor, or installer of the responsibility to meet all of the applicable Federal, State, County, City, Fire District Laws, Codes, Ordinances or Regulations.
Subject to final approval by field inspections and test.
Reviewed by: TR Date: 3/11/99
Inspected by: Date:

GENERAL REQUIREMENTS

1. Contractor shall comply with all Cal OSHA excavation requirements.

2. A competent person (as required by Cal OSHA) shall be on site during excavations 5 feet or greater.

3. The fire inspector shall be on site for excavation, degassing, cutting, washing, inerting, certifying tanks clean, pulling tanks.

4. Appropriate fire safety equipment shall be utilized at all times.

5. The contractor appearing on the FSD permit is responsible and accountable for the job site. The contractor shall either perform the work and/or be on site to oversee subcontractors.

6. Contractor shall post NO SMOKING signs and prohibit smoking and other ignition sources a minimum of 50 feet from the job site.

UPGRADE NOTES

1. INSTALL NEW BRAVO BOX UNDER THE NORTH DISPENSER. (SEE DETAIL A ON SHEET 2)
2. INSTALL NEW OVERFILL DROP TUBE VALVE AND TANK BOTTOM PROTECTOR ON THE DIESEL FILL. (SEE DETAIL B ON SHEET 2)
3. FLUSH, CLEAN, SLURRY-FILL, CAP & ABANDON IN PLACE EXISTING UNDERGROUND PIPING
4. REMOVE DISPENSER AND PATCH ISLAND WITH CONCRETE TO MATCH TOP OF ISLAND SURFACE

7. A combustible gas indicator and an oxygen meter shall be on site, calibrated, and operated by a trained and qualified person (documentation required). Continuous readings shall be taken around the job site to detect accumulation of explosive vapors. If 20% LEL is detected, all operations will halt and the contractor will have a half hour for the dissipation of vapors or the job will be shut down. NOTE: Conversion charts or an instrument capable of monitoring the specific tank contents is required. Instruments shall be protected from sensor poisoning from leaded fuels.

8. Contractor shall test existing primary and secondary piping for integrity.

9. Contractor shall remove dispensers and stow them for reinstallation.

10. Contractor shall sawcut islands and break concrete to facilitate installation of new dispenser pans.

11. Contractor shall install new Bravo boxes and connect existing Red Thread fiberglass pipe to new dispenser pans.

12. Contractor shall install new EBW overfill prevention drop tubes in the diesel fill port.

13. Contractor shall retest the primary and secondary piping to verify its integrity.

14. Contractor shall replace broken concrete to match existing concrete.

15. Contractor shall reinstall the North dispenser.

SITE INFORMATION

COMPANY CONTACT: Mr. Mike Campbell, Plant Manager,
Fontana Steel

ON-SITE TELEPHONE: (909) 899-9993, FAX: 899-9799

CONTRACTOR: ENCON
Environmental, Engineering and Construction Services
4010 Watson Plaza Dr., Suite 225
Lakewood, CA 90712

(562) 982-0273

LICENSE #: 748576

PROJECT MANAGER:
Michael Zimmer

SCOPE OF WORK

Contractor shall provide all necessary services to remove the South dispenser and properly abandon the associated suction piping and install a new drop tube overfill prevention valve, tank bottom protector, (striker plate), and North dispenser pan for the existing diesel UST system. The new dispenser containment will be connected to the existing Red Thread fiberglass pipe with a UL listed flex connector with a protective boot.

ENCON
ENGINEERING SERVICES
4010 Watson Plaza Drive, Suite 225
Lakewood, California 90712

UNDERGROUND STORAGE TANK UPGRADES
FONTANA STEEL
12451 Arrow Hwy., Rancho Cucamonga, CA

SIZE	DATE	DWG NO.	REV
B	1/8/99	FST01089-1	01
SCALE 1"=80'	JWM	SHEET	1 OF 2

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name FONTANA STEEL INC.

Address 12451 ARROW RT., ETIWANDA CA 91739

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

THE STORAGE, USE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH UFC, ARTICLE 79, 1994 EDITION
TYPE: UGST INSTALLATION, DIESEL
QUANTITY: (12,000) GALLONS

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name TOM OVERSTREET Phone (909)899-9993

Applicant's Signature Tom Overstreet Date 5-27-98

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED (✓)
DENIED ( )

Kevin W. Nee 9.10.98
(Signature) (Date)

(Title)

RON NEE
FIRE AGENCY REPRESENTATIVE

TELEPHONE X 2242

Fee Due $ 121.00 Date Paid 5.27-98

#18935

Rev. 3/92

NO: 3512

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — **FIRE SAFETY DIVISION** — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel, Inc. DATE: September 22,1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type UGST Installation, Diesel Quantity: 12,000

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY: 9/98.

TITLE: Senior Plans Examiner

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

---

NO: 3357

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — **FIRE SAFETY DIVISION** — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel, Inc. DATE: May 27, 1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type: Fuel Dispenser, Diesel Quantity: 11,000 Gallons

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY:

TITLE:

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name FONTANA STEEL INC.

Address 12451 ARROW RT., ETIWANDA CA 91739

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

THE STORAGE, USE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH UFC, ARTICLE 79, 1994 EDITION
TYPE: FUEL DISPENCER, DIESEL
QUANTITY: (11,000) GALLONS

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name TOM OVERSTREET Phone (909) 899-9993

Applicant's Signature Tom Overstreet Date 5-27-98

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED (✓)
DENIED ( )

Kevin W. Reed 9/10/98
(Signature) (Date)

F.P.E.
(Title)

RON NEE
FIRE AGENCY REPRESENTATIVE

TELEPHONE X 2242

Fee Due $ 95.00 Date Paid 5-28-98

#18235

Rev. 3/92

NO: 3509

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel DATE: September 10, 1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type: Diesel Quantity: 12,000 Gallons

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY: [signature] 9/15/98

TITLE: Senior Bldg Insp.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

(✓) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name FONTANA STEEL

Address 12451 ARROW ROUTE

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

THE STORAGE, USE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH UFC, ARTICLE 79, 1994 EDITION
TYPE: Diesel
QUANTITY: 12,000 GALLONS

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name X JOHN WARE Phone X 909-899-9993

Applicant's Signature X John Ware Date X 9-8-98

* * * * * * * * * * * * * * * * * * * FOR FIRE AGENCY USE ONLY * * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED (✓) DENIED ( )

(Signature) 9-8-98 (Date)

(Title) Plans Examiner I

RON NEE
FIRE AGENCY REPRESENTATIVE

TELEPHONE X 2242

PLANS APPROVED
6/28/89
P.B.

Fee Due $ 95.00 Date Paid 9-8-98

#019240

Rev. 3/92

ORIGINAL

Rancho Cucamonga Fire District --- Construction Division

CONSTRUCTION INSPECTION REPORT

Date 9/15/98 Start Time 3:30 End Time 4pm. Report # 11025

File # A-2. Project Name Fontana Steel.

Project Address 12951 Arrow.

Inspected With (Name) Mike Campbell Ph 899.9953.

Representing (Company) F.S.

A (No.) 4 Inspection For Permit Issuance.

Resulted in the Following:

- (X) No Non Compliance Observed
- ( ) Corrections Essential as Explained Below
- ( ) Stop Work per Posted Notice
- ( ) Will Examine at Next Inspection
- ( ) Do Not Conceal Until Reinspected
- ( ) Notice of Violation

NOTE: A COPY OF THIS NOTICE MUST BE READILY AVAILABLE AT THE JOB SITE UNTIL CORRECTIONS HAVE BEEN APPROVED BY THE FIRE INSPECTOR

1. Use Permit #3309 for flam. & Comb liq ISSUED! for DIESEL. 12,000 GAL.
2. ~~FS~~ UCST INSTALL PERMIT ISSUED for DIESEL PERMIT #3356
3. Use Permit for OXYGEN #3354, ISSUED
4. Use Permit for ACETYLENE #3355, ISSUED
5. PERMIT #3357 IS A DUPLICATE OF 3309 AND YOUR FEE WILL BE REFUNDED TO YOU
6. THANK YOU FOR YOUR COOPERATION!

Call (909) 477-2730 for Re-Inspection When ALL of the Above Items Have Been Corrected.
FAX (909) 477-2847.

Inspector

X2207.

Extension

FSD 3 (02/96) White-File Canary-Inspector Pink-Numeric Goldenrod-Job Site

NO: 3355

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel, Inc. DATE: May 27, 1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Compressed Gases. Type: Acytelene Quantity: 1050 cu. ft.

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 74, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY: [signature] 9/15/98

TITLE: Senior Bldg Insp.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

NO: 3354

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel Inc. DATE: May 27, 1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Compressed Gases. Type: Oxygen Quantity: 10,500 cu. ft.

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 74, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY: [signature] 9/15/98

TITLE: Senior Bldg Insp.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date 1/30/92

Name: Fontana Steel

Address: 12451 Arrow, Rancho Cucamonga

To: store and use 15,000 gallon LPG

At: 12451 Arrow, Rancho Cucamonga California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By:

Title: FIRE INSPECTOR

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

FOOTHILL FIRE DISTRICT
6623 AMETHYST STREET
RANCHO CUCAMONGA, CA 91701

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE 6/22/89

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Use (X) Install
( ) Other (Specify) _____

At: Business Name: Fontana Steel

Address: 12451 Arrow

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" for all substances used or manufactured.

to store, use & install 12,000 gallon diesel tank

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name: X JAMES FINNEGAN Phone: 213 - 5317232

Applicant's Signature: X James Finnegan

* * * * * * * * * * * * * * * * * * * *FOR FIRE AGENCY USE ONLY* * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED ( ) DENIED ( )	
Signature Date	
TITLE	

FIRE AGENCY REPRESENTATIVE (PRINT NAME) _____

TELEPHONE _____

FEE DUE $ 115.00 DATE PAID _____

APPLICATION FOR FIRE AGENCY PERMIT

FOOTHILL FIRE DISTRICT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: 6/15/89

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

( ) MANUFACTURE
(✓) STORE
(✓) USE
(✓) INSTALL
(✓) CONDUCT OPERATIONS
( ) OTHER (Describe) _____

AT: FONTANA STEEL
(Name of Business)

12451 ARROW ROUTE (Address) RANCHO CUCAMONGA (City)

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide hazardous materials safety data sheets for all substances used or manufactured.

LPG TANK 18000 GALLON CAPACITY, FILLING OPERATIONS FOR mobile & fixed equipment with fixed LPG fuel tanks.

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance of those regulations or any conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions that are in effect at the time of the inspection. This permit is not approved insofar as Zoning, Planning and/or Building Regulations are concerned.

PETROLANE GAS SERV. (714) 391-3488
Please print applicant's name Telephone

Jerry Marvin
Applicant's Signature

FOR FIRE AGENCY USE ONLY

THIS APPLICATION IS:	APPROVED ( ) DENIED ( )
Signature	Date
Title	

RON NEE
FIRE AGENCY REPRESENTATIVE
6623 Amethyst
STREET ADDRESS
Rancho Cucamonga 987-2535
CITY TELEPHONE

Fee Due_____
Fee Paid_____
Date Paid_____

APPLICATION FOR FIRE AGENCY PERMIT

FOOTHILL FIRE DISTRICT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: 4-27-89

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

( ) MANUFACTURE
(✓) STORE
(✓) USE
(✓) INSTALL
( ) CONDUCT OPERATIONS
( ) OTHER (Describe) _____

AT: Fontana Steel
(Name of Business)

12451 Arrow
(Address) (City)

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide hazardous materials safety data sheets for all substances used or manufactured.

Store & use 15,000 gallons LPG 1 tank

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance of those regulations or any conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions that are in effect at the time of the inspection. This permit is not approved insofar as Zoning, Planning and/or Building Regulations are concerned.

PETROLANE GAS SERVICE L.P. — 1-714-391-3488
Please print applicant's name — Telephone

Bill Reicher
Applicant's Signature

FOR FIRE AGENCY USE ONLY

THIS APPLICATION IS: APPROVED ( ) DENIED ( )	FIRE AGENCY REPRESENTATIVE
Signature Date	STREET ADDRESS
Title	CITY TELEPHONE

Fee Due_____
Fee Paid_____
Date Paid_____

California Environmental Reporting System (CERS) — Underground Storage Tank - Facility Information

Facility/Site

CMC Rebar Etiwanda
12451 ARROW RTE
RANCHO CUCAMONGA, CA 91739

CERS ID
10039324

Submittal Status

Submitted on 4/3/2020 by *Kaniz Rahman* of CMC Rebar Southern CA (Etiwanda, CA)
Comments by submitter: Proxy Submittal by Regulator to Properly report UST closure from 2014.
Submittal was ***Accepted***; Processed on 4/3/2020 by *Theresa Congdon* for San Bernardino County Fire Department
Comments by regulator: Accepted pending field verification. If you have any questions, please contact Theresa Congdon at tcongdon@sbcfire.org or (909) 386-8401.

Type of Action

Permanent Facility Closure

Facility Information

CMC Rebar Etiwanda
12451 ARROW RTE
RANCHO CUCAMONGA, CA 91739

Facility Type
Motor Vehicle Fueling

Board of Equalization Account Number
44111111

Is the facility located on Indian Reservation/Trust lands?
No

Tank Operator

Fontana Steel Inc.
(909) 899-9993
P.O. Box 2219
Rancho Cucamonga, CA 91729-9172

Property Owner

Fontana Steel Inc.
(909) 899-9993
P.O. Box 2219
Rancho Cucamonga, CA 91729-9172

Tank Owner

Fontana Steel Inc.
(909) 899-9993
P.O. Box 2219
Rancho Cucamonga, CA 91729-9172

Tank Owner Type
Non-Government

Permit Holder Information

Permit Holder Notification Information
Facility Owner

Supervisor of Division, Section, or Office (Required for Public Agencies Only)

Financial Responsibility Mechanism(s)

Indicate which approved mechanism(s) are being used to show financial responsibility either as contained in the federal regulations (40 CFR, Part 280, Subpart H, Sections 280.93 through 280.107) or CCR, Title 23, Division 3, Chapter 18, Section 2808.1.

Self-Insured	Surety Bond	State Fund and CFO Letter Yes	Other Mechanism
Guarantee	Letter of Credit	State Fund and CD	
Insurance	Exemption	Local Government Mechanism	

California Environmental Reporting System (CERS) — Underground Storage Tank - Tank Information

Facility/Site

CMC Rebar Etiwanda
12451 ARROW RTE
RANCHO CUCAMONGA, CA 91739

CERS ID
10039324
Tank ID#: 1 CERS Tank ID: 10039324-001

Submittal Status

Submitted on 4/3/2020 by *Kaniz Rahman* of CMC Rebar Southern CA (Etiwanda, CA)
Comments by submitter: Proxy Submittal by Regulator to Properly report UST closure from 2014.
Submittal was ***Accepted***; Processed on 4/3/2020 by *Theresa Congdon* for San Bernardino County Fire Department
Comments by regulator: Accepted pending field verification. If you have any questions, please contact Theresa Congdon at tcongdon@sbcfire.org or (909) 386-8401.

Type of Action

Type of Action (UST Tank)
UST Removal

Facility Information

CMC Rebar Etiwanda
12451 ARROW RTE
RANCHO CUCAMONGA, CA 91739

Tank Description

Tank ID# / CERS Tank ID#	Date UST System Installed	Tank Configuration
1 / 10039324-001	6/1/1989	A Stand-alone Tank
Tank Manufacturer	**Date Existing UST Discovered**	**Number of Compartments in the Unit**
Owens Corning		1
Tank Capacity In Gallons	**Date UST Permanently Closed**	**Additional Description**
12000	8/14/2014	

Tank Use and Contents

Tank Use
Motor Vehicle Fueling

Tank Contents
Diesel

Other Petroleum Contents

Other Non-Petroleum Contents

Tank Construction

Type of Tank
Double Wall

Primary Containment	Secondary Containment
Unknown	Unknown

Overfill Protection
- Audible/Visual Alarms
- Ball Float
- Fill Tube Shut-Off Valve
- Exempt

Product / Waste Piping Construction

Piping Construction	Primary Containment	Secondary Containment	Piping/Turbine Containment Sump
Other			
Piping System Type			
Conventional Suction			

Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction

Primary Containment	Vapor Recovery Primary Containment	Riser Pipe Primary Containment	Vent Piping Transition Sumps
			Fill Components Installed
Secondary Containment	**Vapor Recovery Secondary Containment**	**Riser Pipe Secondary Containment**	Spill Bucket
			Striker Plate/Bottom Protector
			Containment Sump

Under Dispenser Containment (UDC)

Construction Type
No Dispensers

Construction Material

Corrosion Protection

- Sacrificial Anode
- Impressed Current
- Isolation

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
East end of Fabrication shop & East wall of Maintencance bldg

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Oxygen	**Cu. Feet**	**18750**	**250**	10000		- Physical Gas Under Pressure - Physical Explosive - Physical Oxidizer	Oxygen	100 %		7782447
	CAS No 7782447 Grid: D-3, G-4	State Gas Type Pure	Storage Container Cylinder Days on Site: 365		Pressue > Ambient Temperature > Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
East Outside wall of maintenance bldg

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Acetylene CAS No 74862 Grid: G-4	**Cu. Feet** State Gas Type Pure	**750** Storage Container Cylinder Days on Site: 365	**150**	750 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Physical SelfReactive - Health Simple Asphyxiant	Acetylene	100 %		74862
	Propane CAS No 74986 Grid: A-3, G-4	**Cu. Feet** State Gas Type Pure	**10000** Storage Container Aboveground Tank Days on Site: 365	**1000**	7000 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant	Propane	100 %		74986

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
In a covered barrel at wash rack

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Sludge	**Gallons**	**55**	**55**	27	55					
	CAS No	State	Storage Container		Pressue	Waste Code					
	352	Solid	Steel Drum			352					
	Grid: G-4	Type			Temperature						
		Waste	Days on Site: 365								

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Inside fence west end of property by maintenance dept.

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Diesel Fuel CAS No 68476-30-2 Grid: G-3	**Gallons** State Liquid Type Mixture	**500** Storage Container Belowground Tank Days on Site: 365	**500**	300 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Diesel	100 %		68476-30-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Storage building west side of maintenance

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Ethylene Glycol CAS No 135 Grid: G-4	**Gallons** State Liquid Type Pure	**55** Storage Container Steel Drum Days on Site: 365	**55**	27 Pressue Ambient Temperature Ambient	55 Waste Code 135	- Health Carcinogenicity - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity	Ethylene Glycol	100 %		135
	Used oil CAS No 221 Grid: G-4	**Gallons** State Liquid Type Waste	**300** Storage Container Steel Drum Days on Site: 365	**250**	100 Pressue > Ambient Temperature > Ambient	1200 Waste Code 221	- Physical Hazard Not Otherwise Classified - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Germ Cell Mutagenicity - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Used oil	100 %		221

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Vehicle Maintenance Building

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Motor Oil	**Gallons**	**370**	**55**	220		- Physical Flammable - Health Respiratory Skin Sensitization - Health Hazard Not Otherwise Classified	Motor oil	100 %		8020835
	CAS No 8020835 Grid: G-3	State Liquid Type Pure	Storage Container Steel Drum Days on Site: 365		Pressue Ambient Temperature Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **East end of Fabrication shop & East wall of Maintencance bldg**

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 10/27/2021 3:03 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Oxygen	**Cu. Feet**	**2500**	**250**	1500		- Physical Gas Under Pressure - Physical Explosive - Physical Oxidizer	Oxygen	100%		7782447
	CAS No 7782447 Grid: D-3, G-4	State Gas Type Pure	Storage Container Cylinder Days on Site: 365		Pressue > Ambient Temperature > Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **East Outside wall of maintenance bldg**

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 10/27/2021 3:03 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Acetylene CAS No 74862 Grid: G-4	**Cu. Feet** State Gas Type Pure	**750** Storage Container Cylinder Days on Site: 365	**150**	750 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Physical SelfReactive - Health Simple Asphyxiant	Acetylene	100%		74862

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **In a covered barrel at wash rack**

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 10/27/2021 3:03 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Waste Sludge	**Gallons**	**55**	**55**	10	55					
	CAS No 352 Grid: G-4	State Solid Type Waste	Storage Container Steel Drum Days on Site: 365		Pressue Ambient Temperature Ambient	Waste Code 352					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **Inside fence west end of property by maintenance dept.**

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 10/27/2021 3:03 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Diesel Fuel CAS No 68476-30-2 Grid: G-3	**Gallons** State Liquid Type Mixture	**200** Storage Container Aboveground Tank Days on Site: 365	**200**	150 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Diesel	100%		68476-30-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **Storage building west side of maintenance**

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 10/27/2021 3:03 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Ethylene Glycol CAS No 135 Grid: G-4	**Gallons** State Liquid Type Pure	**55** Storage Container Steel Drum Days on Site: 365	**55**	27 Pressue Ambient Temperature Ambient	55 Waste Code 135	- Health Carcinogenicity - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity	Ethylene Glycol	100%		135
	Oil Filters CAS No Grid: G-4	**Gallons** State Solid Type Waste	**55** Storage Container Steel Drum Days on Site: 365	**55**	10 Pressue Ambient Temperature Ambient	55 Waste Code					
	Rags CAS No Grid: G-4	**Gallons** State Solid Type Waste	**55** Storage Container Steel Drum Days on Site: 365	**55**	25 Pressue Ambient Temperature Ambient	55 Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **Storage building west side of maintenance**

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 10/27/2021 3:03 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Used oil CAS No 221 Grid: G-4	**Gallons** State Liquid Type Waste	**250** Storage Container Steel Drum Days on Site: 365	**250**	100 Pressue > Ambient Temperature > Ambient	500 Waste Code 221	- Physical Hazard Not Otherwise Classified - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Germ Cell Mutagenicity - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Used oil	100%		221
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Waste Aerosols Liquid** CAS No Grid: G-4	**Gallons** State Liquid Type Waste	**55** Storage Container Steel Drum Days on Site: 365	**55**	25 Pressue Ambient Temperature Ambient	55 Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Vehicle Maintenance Building

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 10/27/2021 3:03 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Motor Oil CAS No 8020835 Grid: G-3	**Gallons** State Liquid Type Pure	**275** Storage Container Steel Drum Days on Site: 365	**55**	220 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Respiratory Skin Sensitization - Health Hazard Not Otherwise Classified	Motor oil	100%		8020835

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **East end of Fabrication shop & East wall of Maintencance bldg**

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 5/25/2021 8:56 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Oxygen CAS No 7782447 Grid: D-3, G-4	**Cu. Feet** State Gas Type Pure	**18750** Storage Container Cylinder Days on Site: 365	**250**	10000 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Gas Under Pressure - Physical Explosive - Physical Oxidizer	Oxygen	100 %		7782447

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
East Outside wall of maintenance bldg

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 5/25/2021 8:56 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Acetylene CAS No 74862 Grid: G-4	**Cu. Feet** State Gas Type Pure	**750** Storage Container Cylinder Days on Site: 365	**150**	750 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Physical SelfReactive - Health Simple Asphyxiant	Acetylene	100 %		74862
	Propane CAS No 74986 Grid: A-3, G-4	**Cu. Feet** State Gas Type Pure	**10000** Storage Container Aboveground Tank Days on Site: 365	**1000**	7000 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant	Propane	100 %		74986

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
In a covered barrel at wash rack

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 5/25/2021 8:56 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Sludge	**Gallons**	**55**	**55**	10	55					
	CAS No 352 Grid: G-4	State Solid Type Waste	Storage Container Steel Drum Days on Site: 365		Pressue Ambient Temperature Ambient	Waste Code 352					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Inside fence west end of property by maintenance dept.

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 5/25/2021 8:56 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Diesel Fuel CAS No 68476-30-2 Grid: G-3	**Gallons** State Liquid Type Mixture	**700** Storage Container Aboveground Tank Days on Site: 365	**500**	300 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Diesel	100 %		68476-30-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Storage building west side of maintenance

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 5/25/2021 8:56 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Ethylene Glycol CAS No 135 Grid: G-4	**Gallons** State Liquid Type Pure	**55** Storage Container Steel Drum Days on Site: 365	**55**	27 Pressue Ambient Temperature Ambient	55 Waste Code 135	- Health Carcinogenicity - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity	Ethylene Glycol	100 %		135
	Oil Filters CAS No Grid: G-4	**Gallons** State Solid Type Waste	**55** Storage Container Steel Drum Days on Site: 365	**55**	10 Pressue Ambient Temperature Ambient	55 Waste Code					
	Rags CAS No Grid: G-4	**Gallons** State Solid Type Waste	**55** Storage Container Steel Drum Days on Site: 365	**55**	25 Pressue Ambient Temperature Ambient	55 Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Storage building west side of maintenance

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 5/25/2021 8:56 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Used oil CAS No 221 Grid: G-4	**Gallons** State Liquid Type Waste	**250** Storage Container Steel Drum Days on Site: 365	**250**	100 Pressue > Ambient Temperature > Ambient	500 Waste Code 221	- Physical Hazard Not Otherwise Classified - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Germ Cell Mutagenicity - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Used oil	100 %		221
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Waste Aerosols Liquid** CAS No Grid: G-4	**Gallons** State Liquid Type Waste	**55** Storage Container Steel Drum Days on Site: 365	**55**	25 Pressue Ambient Temperature Ambient	55 Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Vehicle Maintenance Building

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 5/25/2021 8:56 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Motor Oil	**Gallons**	**275**	**55**	220		- Physical Flammable - Health Respiratory Skin Sensitization - Health Hazard Not Otherwise Classified	Motor oil	100 %		8020835
	CAS No 8020835 Grid: G-3	State Liquid Type Pure	Storage Container Steel Drum Days on Site: 365		Pressue Ambient Temperature Ambient	Waste Code					

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

(✓) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name TAMCO

Address 12451 Arrow Route

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

The removal of underground storage tank shall conducted in accordance UFC, Article 79, 2001 Edition (4) 12000 gallon Tanks)

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name X Ecology Control Ind Phone X (310) 628-4258

Applicant's Signature X [signature] Date X 5/3/06

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED (✓)
DENIED ( )

[signature] 5/4/06
(Signature) (Date)

P&I
(Title)

RON NEE
FIRE AGENCY REPRESENTATIVE

TELEPHONE (909) 477-2770

Fee Due $_____ Date Paid_____

Rev. 3/92

4879

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE SAFETY DIVISION

PERMIT

NAME OF BUSINESS: **TAMCO** DATE: **5/3/2006**

ADDRESS: **12451 Arrow Route** PHONE: **310-628-4258**

TO: (Type of permitted use / activity)

Underground Storage Tanks: Removal of UST in accordance with CFC Articles 52 & 79, 2001 Edition

AT: (Location of permitted use / activity) **12451 Arrow Route** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: **(4) 12,000 gallon fuel oil tanks**

This permit does not take place of any license required by law. This permit isnot transferable. Any change in the use or occupancy of premises shall require a new permit

Expiration Date: INDEFINITE

Issued By: **Ron Nee** W. Nee

Title: **Sr. Plans Examiner/FSD** RCFPP Set

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2004

1 ADMINISTRATION BUILDING

OCCUPANCY B-2

CONST TYPE II-n SPRINKLERED

ACTUAL AREA 14,000 S.F.

PERMITTED AREA:
2 HR WALL PER
SECTION 505

AREA AMENDED
AS ONE UNDER
SEC 503 (a) EXCEPTION
506 (b).

2 FAB. SHOP / STORAGE

OCCUPANCY

CONST TYPE II-n

AREA JUSTIFICATION

BASIC ALLOWABLE AREA 18,000 S.F.

INCREASE 4 60' SIDE YARDS
UNLIMITED AREA WITHOUT SPRINKLERS
PER 85 UBC SEC. 506 b

PROPOSED AREA SHOP: 70,515
OFFICE 14,000
TOTAL = 84,515 S.F.

PARKING

REQUIRED TOTAL 161 STALLS

FABR. MANUF. 1/500 = 69 STALLS
(69,875 S.F.)

STORAGE, MAINT 1/1000 = 24 STALLS
(24,640 S.F.)

ADMINISTRATION 1/250 = 56 STALLS
(14,000 S.F.)

PROVIDED TOTAL 171 STALLS

STANDARD 127 STALLS

20% COMPACT 38 STALLS

HANDICAP 4 STALLS

SITE PLAN

RECEIVED

FOOTHILL FIRE PROTECTION DISTRICT
☐ 1. APPROVED AS SUBMITTED
☐ 2. APPROVED AS NOTED. RESUBMISSION NOT NECESSARY
X 3. UNACCEPTABLE RESUBMIT WITH CORRECTIONS
☐ 4. OTHER COUNTER CHECK 6/23/89
ITEMS CORRECTED IB
THIS APPROVAL DOES NOT CONSTITUTE APPROVAL FOR REQUIREMENTS OTHER THAN THOSE OF THE FIRE DISTRICT AND DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH ALL REGULATIONS.
DATE 6/13/89 REVIEWED BY [illegible]
FIRE DEPT 20/6

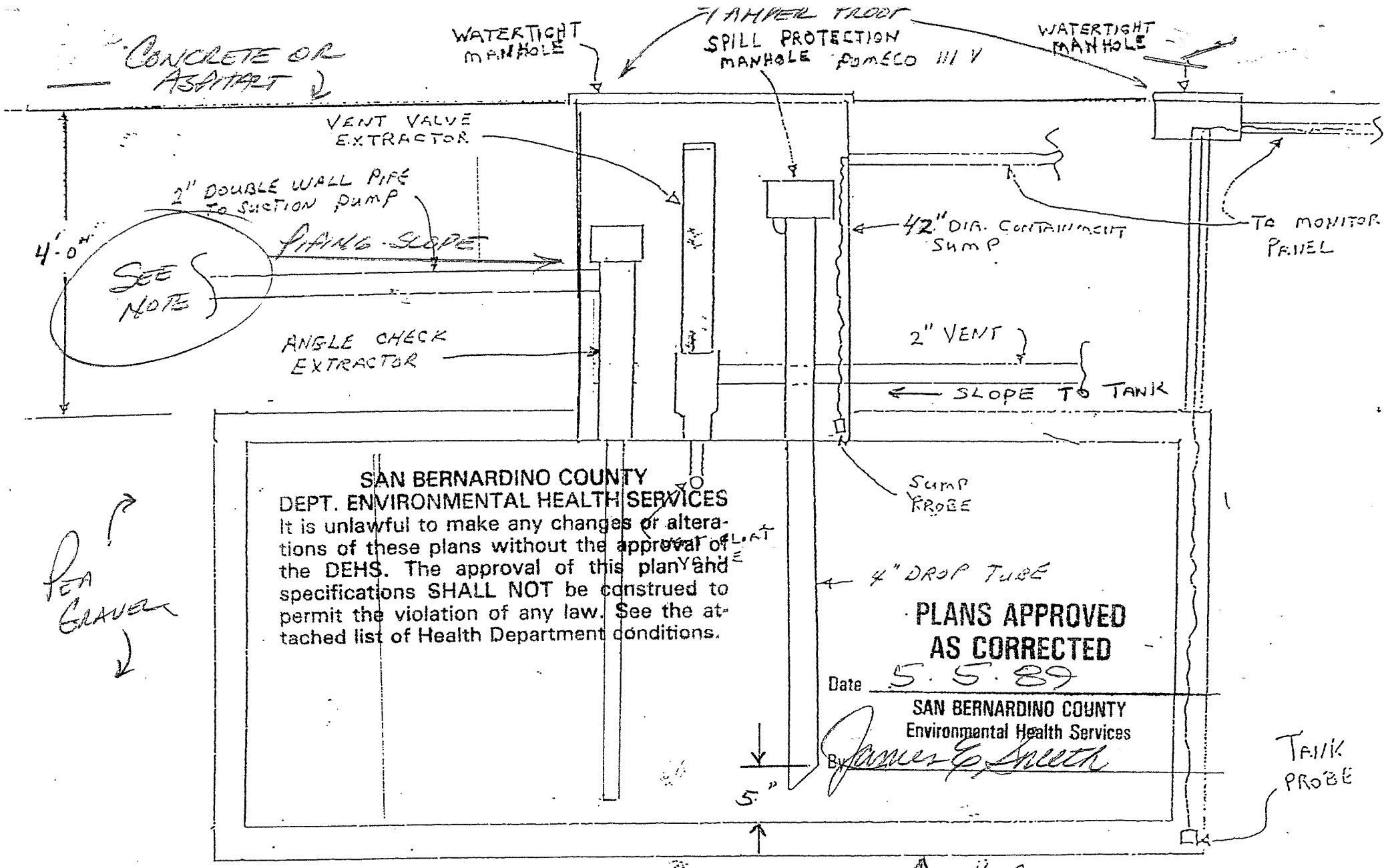
McAlpin Constructors
15703 LAMAR AVENUE, PARAMOUNT, CA 90723

RECEIVED
JUN 9 1989
BRYAN & ASSOCIATES

FONTANA STEEL, INC.
12451 ARROW ROUTE
RANCHO CUCAMONGA, CA 91730

FIRE & LIFE SAFETY PLAN REVIEW
PLANS NOT RECOMMENDED FOR APPROVAL
Refer to Plan Review Report for Corrections
ADDITIONAL PLANS REQUIRED
☐ ORIGINAL SET MARKED WITH CORRECTIONS
☐ SPRINKLER SYSTEM
☐ FIRE ALARM SYSTEM
☐ SPRINKLER ALARM MONITORING
☐ OTHER:
☐ HYDRANT / WATER SYSTEM
☐ LANDSCAPING
☐ GRADING
INITIALS:

PROJECT NO.
BY
CHECKED BY
DATE
SHEET



12,000 GAL OWENS-CORNING DOUBLE WALL DIESEL TANK
2" A.O. SMITH FRP PRODUCT LINE
3" "TOTAL CONTAINMENT" SECONDARY CONTAINMENT PIPE
LEAK-A-LERT MONITOR SYSTEM
PEA GRAVEL BACKFILL
NOTE: SECONDARY CONTAINMENT MUST CONTINUE TO ABOVE GRADE AT DISPENSER

FONTANA STEEL INC.
RANCHO CUCAMONGA, CA.

HY-SERCO INC.
15528 ROSALES ALLEY
PARAMOUNT, CA 90723
213 - 531 7232

County of San Bernardino — Environmental Public Works Agency
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES

UNDERGROUND STORAGE TANK INSPECTION FORM

FACILITY NAME Fontana Steel CONTACT PERSON Eugene

SITUS ADDRESS 12451 Foothill Blvd OTHERS PRESENT

MAILING ADDRESS Same PO. 2219 RAC. 91729-2219 PHONE NUMBER (714) 899-2142

LEAK DETECTION/MONITORING METHOD D-Tech NUMBER OF TANKS 1

ALL VIOLATIONS ARE INDICATED BY A CHECKED BOX AND MUST BE CORRECTED IMMEDIAT

Violation		GENERAL REQUIREMENTS (All Tanks)	Sweeps
	1.	TANK/HANDLER PERMITS CURRENT?	1
	2.	VISUAL SIGNS OF LEAKAGE? (FILL BOX/TURBINE/DISPENSERS)	
	3.	PRODUCT CHANGES? (TANK COMPATABILITY/ BUSINESS PLAN)?	3
	4.	CORROSION PROTEC./MAINT. CERT. AVAILABLE?	
	5.	PRECISION TEST RECORDS AVAILABLE?	13
	6.	FUEL DISPENSERS CALIBRATED? (EVERY 6 MONTHS)	
	7.	NOTIFICATION PROCEDURE SIGNS POSTED?	25
	8.	BUSINESS PLAN SUBMITTED/APPROVED/CURRENT?	
		TANKS INSTALLED PRIOR TO 1/1/84	
	9.	MONITORING PROPOSAL SUBMITTED AND APPROVED?	9
	10.	QTLY. REPORTS SUBMITTED AND AVAILABLE?	
	11.	INVENTORY REC. RECORDS COMPLETE/TAKEN DAILY/ AVAILABLE?	15
	12.	INVENTORY RECORDS CORRECTLY RECONCILED?	21
	13.	PRODUCT LOSS EXCEEDS LIMITS?	27
	14.	DIPSTICK IN GOOD CONDITION? INDICATOR PASTE USED?	23

Violation		TANKS INSTALLED
	15.	TANK AND PIPING
	16.	ELECTRONIC INVEN
	17.	AUDIBLE/VISUAL A
	18.	IN ALARM? PIPELIN PRESENT/OPERATI
	19.	MON. FREQ. APPR ANNUAL MAINT. C
	20.	LEAK DETECTION
		MONITORING WEL
	21.	MON. WELLS PRO
	22.	WATER SAMPLE A CONT. ELEC. MON
	23.	VADOSE WELLS-P 6 MO. MAINT. CE
		WASTE TANKS ONLY
	24.	CONTENTS VERIFIED? MANIFESTS AVAILABLE?
	25.	MEASUREMENTS TAKEN AT BEGINNING AND END OF WORKDAY?

1- 12,000 gallon tank, diesel - D-Tech monitoring system. automatic inventory for fuel readings Job card not signed off on site. Ok in folder.

Est. #8901S295 - need to change mailing address to P.O. Box 2219 Rancho Cucamonga 91729-2219.

No discrepancies noted during inspection

Diane Miller
Inspector

Eugene Kaney
Received By

06/18/90
Date

12720

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
PERMIT

NAME OF BUSINESS: **CMC Rebar Etiwanda** DATE ISSUED: **08-07-2014**

ADDRESS: **12451 Arrow Rte, Rancho Cucamonga** PHONE: **714-920-2123**

TO: (Type of permitted use / activity)

Hazardous Materials Tnk Removal
Inspection required prior to removal
Date 8-14-14 8:00am

AT: (Location of permitted use / activity) **12451 Arrow Rte, Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

Contact: Dennis Rock 714-920-2123 cell

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **08-14-2014**

Issued By: **Rob Ball**

Title: **Fire Marshal**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive • Rancho Cucamonga, California 91730 • (909) 477-2770

NOTICE OF PAYMENT DUE / APPLICATION FOR PERMIT 7616

NTC # _____ Page ___ of ___

Business Name: Dennis D. Rock Construction — Date: Aug 6, 2014

Business Address: 12451 Arrow Rte - CMC Rebar — Phone: (714) 920-2123

Applicant's / Responsible Party's Name: Dennis D Rock

Address: _____ — Phone: _____

City: _____ — State: _____ Zip: _____

☐ Inspection Fee(s) Only; Permit Not Required ☐ Permit and Inspection Fees ☐ Permit Fee(s) Only

☐ The Applicant named above hereby applies for an Operational Permit pursuant to Chapter 1, Section 105 of the California Fire Code as amended. The Applicant certifies that permitted operations shall at all times be in accordance with the Fire Code and applicable Fire District Standards and Regulations. The premises where the permitted operations are conducted are subject at all times to inspections to ensure compliance with the conditions of the permit. Issued permits are subject to revocation for cause as allowed by the Fire Code. Approval of this permit application and/or issuance of an Operational Permit does not imply approval of any Zoning, Planning, or Building Code provision, requirement, or regulation.

Permit Code	Inspection and/or Permit Category / Subcategory	Fee
	Hazardous Materials Tank Removal	$1,128
	Inspection required prior to Removal	
	* date requested Aug 14th	
	• SB County sch @ 8 AM	
	* contact Dennis Rock - (714) 920-2123	
	Total Due	$1,128

☐ Annual Permit ☒ Single Use Permit ☐ Non-Profit Organiztion Fee Reduction Applied ☐ Fee Waived per District Policy

Applicant's Signature _____ **Date** _____

By signing, Applicant acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include invoice number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order along with the Remittance Copy to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807**. Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Dr. Payments are considered past due at 30 days from the date of the Notice of Payment Due. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating. Approved permits will not be issued until all Fire Code violations have been corrected and permit fees have been paid. Conducting regulated operations without a permit could result in the issuance of an Administrative Citation.

Inspector: Jessica Estrella (Printed Name) _____ (Signature) Aug 6, 2014 (Date)

**********FIRE DISTRICT USE ONLY**********

APPLICATION IS: APPROVED ( ) DENIED ( ) Reason for Denial: _____

Date Paid: 8-6-14 Payment Amount: 1128 Payment Method: Cash Credit Card (Check #) 3891

Form: FIB 01; Revised Nov 2010

Distribution: White – Fire Administration; Yellow – Remittance Copy; Pink – Applicant's Copy

Appendix A

Rancho Cucamonga Fire Protection District

Prevention Bureau

10500 Civic Center Dr., Rancho Cucamonga, CA 91729 909-477-2770 fax 909-477-2772

Application for Permit to Abandon/Remove Hazardous Materials Storage Tank

Note: This permit is only issued to licensed California Contractors and Property Owners

Date(s): 8/11/14 & 8/14/14 **Time:** 7AM

Site Information

Site Address: 12451 ARROW ROUTE Phone Number: 9098031518

Name of Business: CMC REBAR-ETIWANDA Contact Person: Tim Folsom

Applicant Information

Company Name: _____ Phone Number: _____

Address: _____ Contact Person: _____

Contractor Information

Company Name: LENSARO INC. dba 1ST ALERT/DENNIS D. ROCK CONSTRUCTION Phone Number: 7147761581

Address: 923 CHIPPEWA, ANAHEIM CA. 92801 Contact Person: DENNIS D. ROCK

Method of Abandonment (check one)

- [X] Triple rinsed, certified, rendered inert, and hauled from site
- [ ] Hauled as hazardous waste
- [ ] Triple rinsed, certified, filled with slurry, and abandoned in place

Briefly describe the scope of work to be performed and the number of tanks to be removed/abandoned:

REMOVAL of ONE 12,000 gal fg diesel TANK

Applicant's Name: DENNIS D. ROCK CONST Phone Number: 7147761581

Applicant's Signature: Dennis D. Rock Date: 8/6/14

**********FIRE DISTRICT USE ONLY**********

Approved by: Jessica Estrella Phone Number: (909) 477-2770

Fees Due: $1,128 Date Paid: 8/6/14

RCFPD Standard # 57-1

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ 515.00 First Tank

$ _____ Each Additional Tank Number of Tanks this Application 1

JOB LOCATION

Facility Name	Contact Person	Phone No.
CMC REBAR	TIM FALCONE	909 803 1515
Situs Address	**City**	**Zip Code**
12457 ARROW ROUTE	RANCHO CUCAMONGA	91739
Water/Sewer Agency	**Fire**	

PROPERTY OWNER

Name	Phone No.
CMC STEEL	909 803 1515
Mailing Address	**City** / **Zip Code**
12457 ARROW ROUTE	91739
Owner's Representative	**Phone No.**

TANK CONTENTS

DIESEL

LEVEL 1/2 FULL

CONTRACTOR

Company Name	Contact Person	Phone No.
DENNIS D. ROCK CONSTRUCTION	DENNIS D. ROCK	714 776 1581
Mailing Address	**City**	**Zip Code**
923 CHIPPEWA	ANAHEIM	92801
Workman's Comp Insurance Carrier	**Policy No.**	
STATE FUND	1864904-14	
State Contractor's License No.	**Types of Licenses**	**Expiration Date**
578191 & 776174	A, B, HAZ	7/31/2015 & 6/30/15

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Print Name Clearly	Phone
DENNIS D. ROCK	714 776 1581
Signature	**Date**
	7/9/14

OFFICE USE ONLY

Under Permit ☐ No ☒ Yes — Facility I.D. Number

Number of Tanks: 1

Fees Current ☐ No — Delinquent Amount

☒ Yes — Expiration Date 12-31-2014

Permit Fee Paid THIS Application: 515.00 / Receipt Number: 7093

Check Number: 1001

Date Paid: 7-9-14

Taken by: [illegible]

Log Number: 11-2058 Job Card Number

POST THIS CARD AT JOB SITE

SAN BERNARDINO COUNTY FIRE DEPARTMENT/CUPA
OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 SOUTH "E" STREET
SAN BERNARDINO, CA 92415-0153

LOG # Closure-81 JOB CARD No. 11232

INSTALL _____ REMOVE _____

CONSTRUCTION AND/OR REMOVAL OF UNDERGROUND STORAGE FACILITY

Site Name Cable Kerber - Etiwanda
Address 12451 Arrow Rte Rancho Cucamonga
Contractor Vasco Knight
Address/Phone _____

	INSPECTION RECORD	APPROVED	DATE
FIRST INSPECTION	Excavation Clean, Approved Slope		
	Bedding		
	Holiday/Soap Test, Tanks Set X		
	Manufacturer's UL #		
	Additional Requirements		
	DO NOT BACKFILL UNTIL ABOVE APPROVED		
SECOND INSPECTION	Tank Air Test 5 PSI/30 Minutes		
	Vent/Vapor Lines		
	Products Lines 75 PSI/30 Minutes		
	Product Line Containment		
	Metal Piping Wrapped		
	Sumps, Dispenser Pans Water Test		
THIRD INSPECTION	Approved Fill Boxes		
	Concrete or AC Paving 12" Beyond		
	Leak Detectors/Monitors		
	Lockable Fluid-Tight Access for Monitoring		
	Precision Test Results		
	Dispenser Containment		
	Emergency Shut-off		
	Additional Requirements		
REQUIRED PRIOR TO OPERATING	Business Plan		
	Monitoring Plan		
	Financial Responsibility		

FINAL APPROVAL AND CURRENT OPERATING PERMITS MUST BE OBTAINED PRIOR TO PLACING THESE TANKS INTO SERVICE ($5,000.00 FINE FOR NONCOMPLIANCE)

TANK REMOVAL INSPECTION	Tank(s) Removed X	1 - 12,000 gallon Steel UST	
	Required Samples: 8020, 8015, MTBE, 418.1		
	Lead (pb) 7421 or ICP 6010, Metals EPA PP13		
	Additional Test Requirements	3 Samples 8260 & 8015M diesel	
	Removals Cannot be Finaled Until a Signed Copy of the Sample Results Have Been Received and Approved by this Department.		
	Final — Approved for Backfill		

Remarks: Witnessed UST Removal & Soil Sampling
8/14/14

FAILURE TO PROTECT AND MAINTAIN THIS CARD MAY RESULT IN JOB DELAY.
PRESERVE THIS RECORD OF INSPECTIONS. 10 days

FOR INSPECTION CALL ~~48 HOURS~~ IN ADVANCE AT (909) 386-8464

THIS PERMIT EXPIRES 9-30-14

☐ PETROLEUM ☐ WASTE OIL ☐ OTHER

14-16867-670 Rev. 2/03

DISTRIBUTION: *White — County Fire Department*
Green — Contractor/Owner

11647

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: **CMC Rebar** DATE ISSUED: **08-05-2013**

ADDRESS: **12451 Arrow Rte, Rancho Cucamonga** PHONE: **909-803-1500**

TO: (Type of permitted use / activity)

Operate a Motor Vehicle Fuel-Dispensing station dispensing flammable and/or combustible liquids, liquefied petroleum gases, compressed natural gases, or similar substances intended for use as a motor vehicle fuel in accordance with Chapter 22 of the 2010 California Fire Code. Unattended self serve diesel 8,000 gallon UST.

AT: (Location of permitted use / activity) **12451 Arrow Rte, Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **02-28-2014**

Issued By: **Shane Adams**

Title: **FPSII**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

11649

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: **CMC Rebar** DATE ISSUED: **08-05-2013**

ADDRESS: **12451 Arrow Rte, Rancho Cucamonga** PHONE: **909-803-1500**

TO: (Type of permitted use / activity)

Store, handle, and/or dispense Liquefied Petroleum Gas in accordance with Chapters 27 and 38 of the 2010 California Fire Code. Propane 1,150 gallon tank.

AT: (Location of permitted use / activity) **12451 Arrow Rte, Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **02-28-2014**

Issued By: **Shane Adams**

Title: **FPSII**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive • Rancho Cucamonga, California 91730 • (909) 477-2770

NOTICE OF PAYMENT DUE / APPLICATION FOR PERMIT

6096

NTC # 19573 Page ___ of ___

Business Name: CMC REBAR

Date: FEBRUARY 25, 2013

Business Address: 12451 ARROW ROUTE

Phone: 909-803-1500

Applicant's / Responsible Party's Name: ~~DE~~ ED MEDINA

Address: _____ Phone: _____

City: _____ State: _____ Zip: _____

☐ Inspection Fee(s) Only; Permit Not Required ☐ Permit and Inspection Fees ☒ Permit Fee(s) Only

☒ The Applicant named above hereby applies for an Operational Permit pursuant to Chapter 1, Section 105 of the California Fire Code as amended. The Applicant certifies that permitted operations shall at all times be in accordance with the Fire Code and applicable Fire District Standards and Regulations. The premises where the permitted operations are conducted are subject at all times to inspections to ensure compliance with the conditions of the permit. Issued permits are subject to revocation for cause as allowed by the Fire Code. Approval of this permit application and/or issuance of an Operational Permit does not imply approval of any Zoning, Planning, or Building Code provision, requirement, or regulation.

Permit Code	Inspection and/or Permit Category / Subcategory	Fee
MVFD	MOTOR VEHICLE FUEL DISPENSING.	330.00
	UNATTENDED, SELFSERVE DIESEL.	
	18,000 GALLON UST.	
HW	HOT WORK PROGRAM	165.00
LPG	PROPANE. 1,150 GALLON TANK	220.00
	Total Due	715.00

☒ Annual Permit ☐ Single Use Permit ☐ Non-Profit Organiztion Fee Reduction Applied ☐ Fee Waived per District Policy

Applicant's Signature MAILED **Date** _____

By signing, Applicant acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include invoice number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order along with the Remittance Copy to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807**. Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Dr. Payments are considered past due at 30 days from the date of the Notice of Payment Due. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating. Approved permits will not be issued until all Fire Code violations have been corrected and permit fees have been paid. Conducting regulated operations without a permit could result in the issuance of an Administrative Citation.

Inspector: SHANE ADAMS (Printed Name) _____ (Signature) FEBRUARY 25, 2013 (Date)

**********FIRE DISTRICT USE ONLY**********

APPLICATION IS: APPROVED ( ) DENIED ( ) Reason for Denial: _____

Date Paid: 4-2-13 Payment Amount: 715— Payment Method: Cash Credit Card Check # 543728

Form: FIB 01; Revised Nov 2010

Distribution: White – Fire Administration; Yellow – Remittance Copy; Pink – Applicant's Copy

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION — FIELD SERVICES/ENVIRONMENTAL PROTECTION
620 South E Street, San Bernardino, CA 92415-0153

UNDERGROUND TANK CONSTRUCTION/ MODIFICATION APPLICATION

$ _____ First Tank

$ _____ Each Additional Tank

TANK INSTALLATION ☐
PIPING ONLY ☐
MODIFICATION ☐

JOB LOCATION

Facility Name and Contact Person | Phone No.

Situs Address | City | Zip Code

Fire | Water/Sewer Agency

PROPERTY OWNER

Name | Phone No.

Mailing Address | City | Zip Code

Owner's Representative | Phone No.

TANK OWNER

Name | Phone No.

Mailing Address | City | Zip Code

TANK DATA

Construction	Size	Contents	U.L. Number

CONTRACTOR

Company Name | Contact Person | Phone No.

Mailing Address | City | Zip Code

Workman's Comp Insurance Carrier | Policy No.

State Contractor's License No. | Types of Licenses | Expiration Date

Print Name Clearly | Phone

Signature | Date

OFFICE USE ONLY

New Facility ☐

Permitted Facility ☒ Yes ☐ No

Facility ID Number

Number of Tanks

Permits Current ☒ Yes ☐ No

Expiration Date

Permit Fee Paid / Receipt Number

Check Number

Date Paid

Taken by

Log Number | Job Card Number

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive • Rancho Cucamonga, California 91730 (909) 477-2770

NOTICE TO CORRECT / INSPECTION REPORT

18843

Business Name: CMC AMERICAS Contact: ED MEDINA Inspection Date: FEB 14, 2012

Business Address: 12451 ARROW ROUTE Phone: 909-803-1500

Owner/Property Management: Phone:

Address: City: State: Zip:

No.	✓	REQUIRED CORRECTIONS
		ACCESS
1		Maintain fire lane free of obstructions.
2		Provide fire lane identification.
3		Provide approved address numbers/building identification.
4		Provide approved key box/lock/switch and/or keys for fire department access.
		EXITING
5		Remove obstructions at exits, doors, aisles, corridors, stairways, etc.
6		Exit door to open without a key or any special knowledge/effort.
7		Provide sign over main exit door - "This door to remain unlocked during business hours".
8		Repair non-operable exit door hardware.
9		Remove obstructions from door required to be closed.
10		Remove locks/latches from doors with panic hardware.
11		Remove storage from unprotected stairway.
12		Provide/maintain exit sign/emergency lighting.
		FIRE EXTINGUISHERS
13		Have fire extinguisher(s) serviced and tagged.
14		Provide/install fire extinguisher(s) as indicated.
15		Provide clear access to fire extinguisher(s).
16		Provide an approved means of indicating fire extinguisher location.
		FIRE PROTECTION EQUIPMENT
17		Maintain, repair, paint, inspect, and/or test sprinkler/standpipe system/hydrant/FDC/PIV.
18		Maintain 3 ft. minimum clearance for access/use of fire appliances/equipment.
19		Secure all system control valves in the open position.
20		Replace damaged/painted/missing sprinkler heads/FDC caps.
21		Provide 5 year certification test for sprinkler/standpipe system.
22		Provide sprinkler coverage in unprotected areas.
23		Provide spare sprinkler heads (min. 6) and/or compatible wrench.
24		Hood and duct extinguishing system to be serviced and tagged.
25		Remove grease from hood, duct, and filters. (KEEP CLEAN)
		FIRE ALARM SYSTEMS
26		Maintain, repair, inspect, and/or test fire alarm system. Provide a copy of the report.
27		Provide/maintain operable smoke detectors in each dwelling unit.
		FIRE SEPARATIONS
28		Repair damage to required fire resistive construction.
29		Provide/repair self or automatic closing fire rated assemblies.
30		Keep attic access and scuttle openings closed.
		ELECTRICAL
31		Discontinue use of extension cords.
32		Install permanent wiring for fixed and stationary appliances.
33		Provide cover plates for all junction boxes. Provide blanks for electrical panel.
34		Remove exposed wiring or protect in approved conduit.
35		Provide a 30x36 inch clear space to and in front of electrical panel.
36		Maintain wiring in good condition and protect from damage.
		FLAMMABLE LIQUIDS • COMPRESSED GASES
37		Provide a flammable liquid storage cabinet or reduce storage to 10 gallons or less.
38		Remove all flammable liquids not used for maintenance purposes.
39		Store flammable liquids away from exits, stairs, or corridors.
40		Clean up spilled flammable liquid.
41		Replace lids on all flammable liquid storage containers not in immediate use.
42		Remove all fueled vehicles from dwelling units.
43		Secure compressed gas cylinders. Identify product name.
		STORAGE • HOUSEKEEPING
44		Arrange storage in an orderly manner to provide access/egress.
45		Remove combustible storage from boiler, mechanical, and electrical room.
46		Reduce storage to 24 inches below ceiling or 18 inches below sprinkler heads.
47		Provide metal or approved non-combustible trash container with lid.
48		Remove lint/debris from behind washers and dryers.
49		Remove waste/rubbish materials from the premises.
50		Keep dumpsters 5 feet away from combustible walls, eaves, or openings.
51		Provide required clearance from combustible materials and/or vegetation.
		MISCELLANEOUS
52		Other violations and comments.

NO VIOLATIONS NOTED - Thank you for helping to keep our community safe!

NO.	LOCATION / REMARKS
52	IT APPEARS THAT THE LPG TANK HAS BEEN REMOVED AND REINSTALLED FROM ITS PREVIOUSLY APPROVED LOCATION. SUBMIT PLANS AND OBTAIN PERMITS AND APPROVALS WITHIN 90 DAYS, OR PROVIDE PLANS, PERMITS, AND DOCUMENTATION FOR THE RE-INSTALLATION.
43	SECURE ALL COMPRESSED GAS CYLINDERS IN AN APPROVED MANNER.
43	STORE LPG CYLINDERS OUT SIDE OF SEA CONTAINERS.
52	REPLACE ALL SIGNAGE FOR DIESEL PUMPS, INCLUDING SHUT-OFF AND SIGNAGE IN ACCORDANCE WITH 2010 CFC SECTION 2204.3.5 AND 22056

INITIAL INSPECTION DATE	INSPECTOR'S NAME (PRINT)

Occupancy Class: Page _____ of _____

By order of the Fire Chief, you are hereby required to immediately make the corrections listed in this report and any attached continuation sheets or show cause why you should not be required to do so. Willful failure to comply with this notice is an infraction or misdemeanor. Violations which are not corrected immediately and/or remain after the re-inspection may be processed as a criminal and/or civil offense or administrative citations may be issued. Referenced code sections are listed on the reverse side of this form.

A re-inspection will be conducted on or after 1 MONTH.

Signature of Recipient: Eduardo Ortiz

☐ Owner ☑ Manager ☐ Employee ☐ Other

Inspecting Officer: SHANE ADAMS

☐ *Updated Emergency Contact Information Form Attached*

Re-Inspection(s)

Date	Date	Date	Date
Date	Date	Date	Date

FPB Form NTC

Distribution: White – File; Yellow – Inspector; Pink – Owner/Occupant

Rev. 03/07/2010

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
PERMIT

Sign

6393

EXP 3/31/13 Per MED

NAME OF BUSINESS: CMC Fabricators DATE ISSUED:

ADDRESS: 12541 Arrow Rte, Rancho Cucamonga PHONE: 760-617-3801

TO: (Type of permitted use / activity)

Install (1) 1,150 Gallon Propane Storage Tank and Remove (1) 15,000 Gallon Propane Storage Tank in accordance with 2007 CFC; Chapter 22 and 38, the RCFPD Ordinance FD46, the 2007 CEC; Article 500 and the 2007 CBC. See the approved plans.

AT: (Location of permitted use / activity) 12541 Arrow Rte Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.This permit shall expire on the last day of the month one year from the application date

Expiration Date:

Issued By:

Title:

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 3/2008

6393

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
PERMIT

NAME OF BUSINESS: CMC Fabricators DATE ISSUED:

ADDRESS: 12541 Arrow Rte, Rancho Cucamonga PHONE: 760-617-3801

TO: (Type of permitted use / activity)

Install (1) 1,150 Gallon Propane Storage Tank and Remove (1) 15,000 Gallon Propane Storage Tank in accordance with 2007 CFC; Chapter 22 and 38, the RCFPD Ordinance FD46, the 2007 CEC; Article 500 and the 2007 CBC. See the approved plans.

AT: (Location of permitted use / activity) 12541 Arrow Rte Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.This permit shall expire on the last day of the month one year from the application date

Expiration Date:

Issued By:

Title:

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 3/2008

PERMIT EXPIRED
WORK DONE IN LAST 180 DAYS
__/__/__

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

(X) Conduct Operations ( ) Manufacture (X) Store (X) Install

( ) Other (Specify)_____

At: Business Name CMC FABRICATORS

Address 12541 ARROW ROUTE, ETIWANDA, CA. 91729

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

INSTALL (1) 1,150 GALLON PROPANE STORAGE TANK.
REMOVE (1) 15,000 GALLON PROPANE STORAGE TANK
IN ACCORDANCE WITH THE 2007 CA FIRE CODE
CHAPTERS 22 AND 38, THE RCFPD ORDINANCE FD46
THE 2007 CA ELECTRICAL CODE ARTICLE 500 AND
THE 2007 CA BLDG. CODE. SEE THE APPROVED PLANS.

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name DOUGLAS R. LOCATELLI Phone 760-617-3801

Applicant's Signature [signature] Date 2-24-09

* FOR FIRE AGENCY USE ONLY * * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED (X) DENIED ( )

[signature] 2/26/09
(Signature) (Date)

Sr. Fire Plans Examiner
(Title)

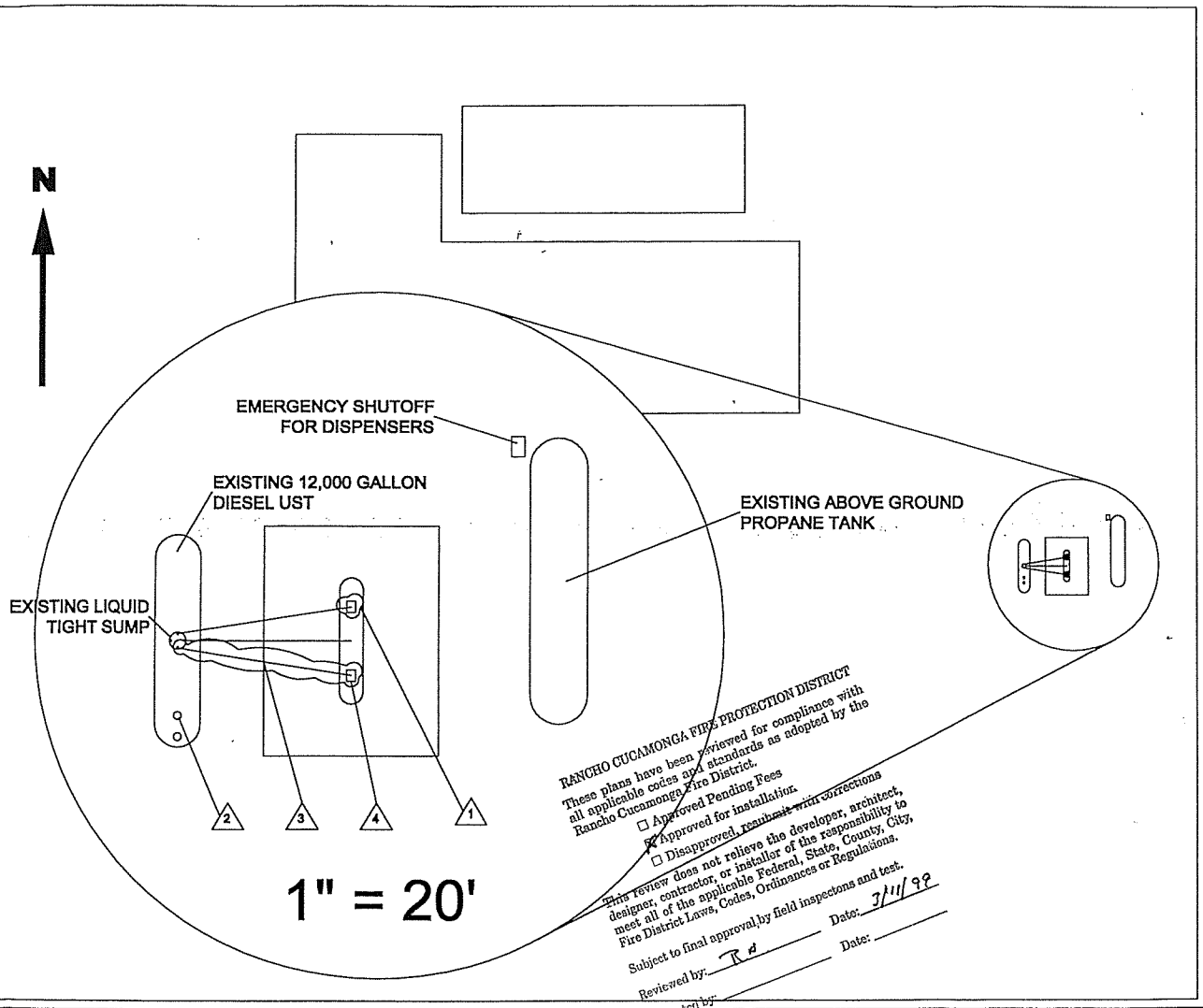
MOISES ESKENAZI
FIRE AGENCY REPRESENTATIVE

TELEPHONE X4209.

Fee Due $240.12 Date Paid_____

Rev. 3/92 Per Resolution FD 06-015.

ARROW HIGHWAY



RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
These plans have been reviewed for compliance with all applicable codes and standards as adopted by the Rancho Cucamonga Fire District.
☐ Approved Pending Fees
☐ Approved for installation.
☐ Disapproved, resubmit with corrections
This review does not relieve the developer, architect, designer, contractor, or installer of the responsibility to meet all of the applicable Federal, State, County, City, Fire District Laws, Codes, Ordinances or Regulations.
Subject to final approval by field inspections and test.
Reviewed by: TR Date: 3/11/99
Inspected by: Date:

GENERAL REQUIREMENTS

1. Contractor shall comply with all Cal OSHA excavation requirements.

2. A competent person (as required by Cal OSHA) shall be on site during excavations 5 feet or greater.

3. The fire inspector shall be on site for excavation, degassing, cutting, washing, inerting, certifying tanks clean, pulling tanks.

4. Appropriate fire safety equipment shall be utilized at all times.

5. The contractor appearing on the FSD permit is responsible and accountable for the job site. The contractor shall either perform the work and/or be on site to oversee subcontractors.

6. Contractor shall post NO SMOKING signs and prohibit smoking and other ignition sources a minimum of 50 feet from the job site.

UPGRADE NOTES

1. INSTALL NEW BRAVO BOX UNDER THE NORTH DISPENSER. (SEE DETAIL A ON SHEET 2)
2. INSTALL NEW OVERFILL DROP TUBE VALVE AND TANK BOTTOM PROTECTOR ON THE DIESEL FILL. (SEE DETAIL B ON SHEET 2)
3. FLUSH, CLEAN, SLURRY-FILL, CAP & ABANDON IN PLACE EXISTING UNDERGROUND PIPING
4. REMOVE DISPENSER AND PATCH ISLAND WITH CONCRETE TO MATCH TOP OF ISLAND SURFACE

7. A combustible gas indicator and an oxygen meter shall be on site, calibrated, and operated by a trained and qualified person (documentation required). Continuous readings shall be taken around the job site to detect accumulation of explosive vapors. If 20% LEL is detected, all operations will halt and the contractor will have a half hour for the dissipation of vapors or the job will be shut down. NOTE: Conversion charts or an instrument capable of monitoring the specific tank contents is required. Instruments shall be protected from sensor poisoning from leaded fuels.

8. Contractor shall test existing primary and secondary piping for integrity.

9. Contractor shall remove dispensers and stow them for reinstallation.

10. Contractor shall sawcut islands and break concrete to facilitate installation of new dispenser pans.

11. Contractor shall install new Bravo boxes and connect existing Red Thread fiberglass pipe to new dispenser pans.

12. Contractor shall install new EBW overfill prevention drop tubes in the diesel fill port.

13. Contractor shall retest the primary and secondary piping to verify its integrity.

14. Contractor shall replace broken concrete to match existing concrete.

15. Contractor shall reinstall the North dispenser.

SITE INFORMATION

COMPANY CONTACT: Mr. Mike Campbell, Plant Manager,
Fontana Steel

ON-SITE TELEPHONE: (909) 899-9993, FAX: 899-9799

CONTRACTOR: ENCON
Environmental, Engineering and Construction Services
4010 Watson Plaza Dr., Suite 225
Lakewood, CA 90712

(562) 982-0273

LICENSE #: 748576

PROJECT MANAGER:
Michael Zimmer

SCOPE OF WORK

Contractor shall provide all necessary services to remove the South dispenser and properly abandon the associated suction piping and install a new drop tube overfill prevention valve, tank bottom protector, (striker plate), and North dispenser pan for the existing diesel UST system. The new dispenser containment will be connected to the existing Red Thread fiberglass pipe with a UL listed flex connector with a protective boot.

ENCON
ENGINEERING SERVICES
4010 Watson Plaza Drive, Suite 225
Lakewood, California 90712

UNDERGROUND STORAGE TANK UPGRADES
FONTANA STEEL
12451 Arrow Hwy., Rancho Cucamonga, CA

SIZE	DATE	DWG NO.	REV
B	1/8/99	FST01089-1	01
SCALE 1"=80'	JWM	SHEET	1 OF 2

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name FONTANA STEEL INC.

Address 12451 ARROW RT., ETIWANDA CA 91739

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

THE STORAGE, USE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH UFC, ARTICLE 79, 1994 EDITION
TYPE: UGST INSTALLATION, DIESEL
QUANTITY: (12,000) GALLONS

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name TOM OVERSTREET Phone (909)899-9993

Applicant's Signature Tom Overstreet Date 5-27-98

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED (✓)
DENIED ( )

Kevin W. Nee 9.10.98
(Signature) (Date)

(Title)

RON NEE
FIRE AGENCY REPRESENTATIVE

TELEPHONE X 2242

Fee Due $ 121.00 Date Paid 5.27-98

#18935

Rev. 3/92

NO: 3512

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — **FIRE SAFETY DIVISION** — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel, Inc. DATE: September 22,1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type UGST Installation, Diesel Quantity: 12,000

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY: 9/98.

TITLE: Senior Plans Examiner

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

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NO: 3357

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — **FIRE SAFETY DIVISION** — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel, Inc. DATE: May 27, 1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type: Fuel Dispenser, Diesel Quantity: 11,000 Gallons

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY:

TITLE:

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name FONTANA STEEL INC.

Address 12451 ARROW RT., ETIWANDA CA 91739

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

THE STORAGE, USE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH UFC, ARTICLE 79, 1994 EDITION
TYPE: FUEL DISPENCER, DIESEL
QUANTITY: (11,000) GALLONS

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name TOM OVERSTREET Phone (909) 899-9993

Applicant's Signature Tom Overstreet Date 5-27-98

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED (✓)
DENIED ( )

Kevin W. Reed 9/10/98
(Signature) (Date)

F.P.E.
(Title)

RON NEE
FIRE AGENCY REPRESENTATIVE

TELEPHONE X 2242

Fee Due $ 95.00 Date Paid 5-28-98

#18235

Rev. 3/92

NO: 3509

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel DATE: September 10, 1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type: Diesel Quantity: 12,000 Gallons

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY: [signature] 9/15/98

TITLE: Senior Bldg Insp.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

(✓) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name FONTANA STEEL

Address 12451 ARROW ROUTE

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

THE STORAGE, USE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH UFC, ARTICLE 79, 1994 EDITION
TYPE: Diesel
QUANTITY: 12,000 GALLONS

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name X JOHN WARE Phone X 909-899-9993

Applicant's Signature X John Ware Date X 9-8-98

* * * * * * * * * * * * * * * * * * * FOR FIRE AGENCY USE ONLY * * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED (✓) DENIED ( )

(Signature) 9-8-98 (Date)

(Title) Plans Examiner I

RON NEE
FIRE AGENCY REPRESENTATIVE

TELEPHONE X 2242

PLANS APPROVED
6/28/89
P.B.

Fee Due $ 95.00 Date Paid 9-8-98

#019240

Rev. 3/92

ORIGINAL

Rancho Cucamonga Fire District --- Construction Division

CONSTRUCTION INSPECTION REPORT

Date 9/15/98 Start Time 3:30 End Time 4pm. Report # 11025

File # A-2. Project Name Fontana Steel.

Project Address 12951 Arrow.

Inspected With (Name) Mike Campbell Ph 899.9953.

Representing (Company) F.S.

A (No.) 4 Inspection For Permit Issuance.

Resulted in the Following:

- (X) No Non Compliance Observed
- ( ) Corrections Essential as Explained Below
- ( ) Stop Work per Posted Notice
- ( ) Will Examine at Next Inspection
- ( ) Do Not Conceal Until Reinspected
- ( ) Notice of Violation

NOTE: A COPY OF THIS NOTICE MUST BE READILY AVAILABLE AT THE JOB SITE UNTIL CORRECTIONS HAVE BEEN APPROVED BY THE FIRE INSPECTOR

1. Use Permit #3309 for flam. & Comb liq ISSUED! for DIESEL. 12,000 GAL.
2. ~~FS~~ UCST INSTALL PERMIT ISSUED for DIESEL PERMIT #3356
3. Use Permit for OXYGEN #3354, ISSUED
4. Use Permit for ACETYLENE #3355, ISSUED
5. PERMIT #3357 IS A DUPLICATE OF 3309 AND YOUR FEE WILL BE REFUNDED TO YOU
6. THANK YOU FOR YOUR COOPERATION!

Call (909) 477-2730 for Re-Inspection When ALL of the Above Items Have Been Corrected.
FAX (909) 477-2847.

Inspector

X2207.

Extension

FSD 3 (02/96) White-File Canary-Inspector Pink-Numeric Goldenrod-Job Site

NO: 3355

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel, Inc. DATE: May 27, 1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Compressed Gases. Type: Acytelene Quantity: 1050 cu. ft.

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 74, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY: [signature] 9/15/98

TITLE: Senior Bldg Insp.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

NO: 3354

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Fontana Steel Inc. DATE: May 27, 1998

ADDRESS: 12451 Arrow PHONE: (909) 899-9993

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Compressed Gases. Type: Oxygen Quantity: 10,500 cu. ft.

AT: (Location of Permitted Use/Activity) 12451 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 74, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date:

BY: [signature] 9/15/98

TITLE: Senior Bldg Insp.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date 1/30/92

Name: Fontana Steel

Address: 12451 Arrow, Rancho Cucamonga

To: store and use 15,000 gallon LPG

At: 12451 Arrow, Rancho Cucamonga California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By:

Title: FIRE INSPECTOR

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

FOOTHILL FIRE DISTRICT
6623 AMETHYST STREET
RANCHO CUCAMONGA, CA 91701

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE 6/22/89

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Use (X) Install
( ) Other (Specify) _____

At: Business Name: Fontana Steel

Address: 12451 Arrow

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" for all substances used or manufactured.

to store, use & install 12,000 gallon diesel tank

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name: X JAMES FINNEGAN Phone: 213 - 5317232

Applicant's Signature: X James Finnegan

* * * * * * * * * * * * * * * * * * * *FOR FIRE AGENCY USE ONLY* * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED ( ) DENIED ( )	
Signature Date	
TITLE	

FIRE AGENCY REPRESENTATIVE (PRINT NAME) _____

TELEPHONE _____

FEE DUE $ 115.00 DATE PAID _____

APPLICATION FOR FIRE AGENCY PERMIT

FOOTHILL FIRE DISTRICT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: 6/15/89

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

( ) MANUFACTURE
(✓) STORE
(✓) USE
(✓) INSTALL
(✓) CONDUCT OPERATIONS
( ) OTHER (Describe) _____

AT: FONTANA STEEL
(Name of Business)

12451 ARROW ROUTE (Address) RANCHO CUCAMONGA (City)

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide hazardous materials safety data sheets for all substances used or manufactured.

LPG TANK 18000 GALLON CAPACITY, FILLING OPERATIONS FOR mobile & fixed equipment with fixed LPG fuel tanks.

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance of those regulations or any conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions that are in effect at the time of the inspection. This permit is not approved insofar as Zoning, Planning and/or Building Regulations are concerned.

PETROLANE GAS SERV. (714) 391-3488
Please print applicant's name Telephone

Jerry Marvin
Applicant's Signature

FOR FIRE AGENCY USE ONLY

THIS APPLICATION IS:	APPROVED ( ) DENIED ( )
Signature	Date
Title	

RON NEE
FIRE AGENCY REPRESENTATIVE
6623 Amethyst
STREET ADDRESS
Rancho Cucamonga 987-2535
CITY TELEPHONE

Fee Due_____
Fee Paid_____
Date Paid_____

APPLICATION FOR FIRE AGENCY PERMIT

FOOTHILL FIRE DISTRICT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: 4-27-89

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

( ) MANUFACTURE
(✓) STORE
(✓) USE
(✓) INSTALL
( ) CONDUCT OPERATIONS
( ) OTHER (Describe) _____

AT: Fontana Steel
(Name of Business)

12451 Arrow
(Address) (City)

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide hazardous materials safety data sheets for all substances used or manufactured.

Store & use 15,000 gallons LPG 1 tank

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance of those regulations or any conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions that are in effect at the time of the inspection. This permit is not approved insofar as Zoning, Planning and/or Building Regulations are concerned.

PETROLANE GAS SERVICE L.P. — 1-714-391-3488
Please print applicant's name — Telephone

Bill Reicher
Applicant's Signature

FOR FIRE AGENCY USE ONLY

THIS APPLICATION IS: APPROVED ( ) DENIED ( )	FIRE AGENCY REPRESENTATIVE
Signature Date	STREET ADDRESS
Title	CITY TELEPHONE

Fee Due_____
Fee Paid_____
Date Paid_____

California Environmental Reporting System (CERS) — Underground Storage Tank - Facility Information

Facility/Site

CMC Rebar Etiwanda
12451 ARROW RTE
RANCHO CUCAMONGA, CA 91739

CERS ID
10039324

Submittal Status

Submitted on 4/3/2020 by *Kaniz Rahman* of CMC Rebar Southern CA (Etiwanda, CA)
Comments by submitter: Proxy Submittal by Regulator to Properly report UST closure from 2014.
Submittal was ***Accepted***; Processed on 4/3/2020 by *Theresa Congdon* for San Bernardino County Fire Department
Comments by regulator: Accepted pending field verification. If you have any questions, please contact Theresa Congdon at tcongdon@sbcfire.org or (909) 386-8401.

Type of Action

Permanent Facility Closure

Facility Information

CMC Rebar Etiwanda
12451 ARROW RTE
RANCHO CUCAMONGA, CA 91739

Facility Type
Motor Vehicle Fueling

Board of Equalization Account Number
44111111

Is the facility located on Indian Reservation/Trust lands?
No

Tank Operator

Fontana Steel Inc.
(909) 899-9993
P.O. Box 2219
Rancho Cucamonga, CA 91729-9172

Property Owner

Fontana Steel Inc.
(909) 899-9993
P.O. Box 2219
Rancho Cucamonga, CA 91729-9172

Tank Owner

Fontana Steel Inc.
(909) 899-9993
P.O. Box 2219
Rancho Cucamonga, CA 91729-9172

Tank Owner Type
Non-Government

Permit Holder Information

Permit Holder Notification Information
Facility Owner

Supervisor of Division, Section, or Office (Required for Public Agencies Only)

Financial Responsibility Mechanism(s)

Indicate which approved mechanism(s) are being used to show financial responsibility either as contained in the federal regulations (40 CFR, Part 280, Subpart H, Sections 280.93 through 280.107) or CCR, Title 23, Division 3, Chapter 18, Section 2808.1.

Self-Insured	Surety Bond	State Fund and CFO Letter Yes	Other Mechanism
Guarantee	Letter of Credit	State Fund and CD	
Insurance	Exemption	Local Government Mechanism	

California Environmental Reporting System (CERS) — Underground Storage Tank - Tank Information

Facility/Site

CMC Rebar Etiwanda
12451 ARROW RTE
RANCHO CUCAMONGA, CA 91739

CERS ID
10039324
Tank ID#: 1 CERS Tank ID: 10039324-001

Submittal Status

Submitted on 4/3/2020 by *Kaniz Rahman* of CMC Rebar Southern CA (Etiwanda, CA)
Comments by submitter: Proxy Submittal by Regulator to Properly report UST closure from 2014.
Submittal was ***Accepted***; Processed on 4/3/2020 by *Theresa Congdon* for San Bernardino County Fire Department
Comments by regulator: Accepted pending field verification. If you have any questions, please contact Theresa Congdon at tcongdon@sbcfire.org or (909) 386-8401.

Type of Action

Type of Action (UST Tank)
UST Removal

Facility Information

CMC Rebar Etiwanda
12451 ARROW RTE
RANCHO CUCAMONGA, CA 91739

Tank Description

Tank ID# / CERS Tank ID#	Date UST System Installed	Tank Configuration
1 / 10039324-001	6/1/1989	A Stand-alone Tank
Tank Manufacturer	**Date Existing UST Discovered**	**Number of Compartments in the Unit**
Owens Corning		1
Tank Capacity In Gallons	**Date UST Permanently Closed**	**Additional Description**
12000	8/14/2014	

Tank Use and Contents

Tank Use
Motor Vehicle Fueling

Tank Contents
Diesel

Other Petroleum Contents

Other Non-Petroleum Contents

Tank Construction

Type of Tank
Double Wall

Primary Containment	Secondary Containment
Unknown	Unknown

Overfill Protection
- Audible/Visual Alarms
- Ball Float
- Fill Tube Shut-Off Valve
- Exempt

Product / Waste Piping Construction

Piping Construction	Primary Containment	Secondary Containment	Piping/Turbine Containment Sump
Other			
Piping System Type			
Conventional Suction			

Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction

Primary Containment	Vapor Recovery Primary Containment	Riser Pipe Primary Containment	Vent Piping Transition Sumps
			Fill Components Installed
Secondary Containment	**Vapor Recovery Secondary Containment**	**Riser Pipe Secondary Containment**	Spill Bucket
			Striker Plate/Bottom Protector
			Containment Sump

Under Dispenser Containment (UDC)

Construction Type
No Dispensers

Construction Material

Corrosion Protection

- Sacrificial Anode
- Impressed Current
- Isolation

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
East end of Fabrication shop & East wall of Maintencance bldg

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Oxygen	**Cu. Feet**	**18750**	**250**	10000		- Physical Gas Under Pressure - Physical Explosive - Physical Oxidizer	Oxygen	100 %		7782447
	CAS No 7782447 Grid: D-3, G-4	State Gas Type Pure	Storage Container Cylinder Days on Site: 365		Pressue > Ambient Temperature > Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
East Outside wall of maintenance bldg

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Acetylene CAS No 74862 Grid: G-4	**Cu. Feet** State Gas Type Pure	**750** Storage Container Cylinder Days on Site: 365	**150**	750 Pressue > Ambient Temperature > Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Physical SelfReactive - Health Simple Asphyxiant	Acetylene	100 %		74862
	Propane CAS No 74986 Grid: A-3, G-4	**Cu. Feet** State Gas Type Pure	**10000** Storage Container Aboveground Tank Days on Site: 365	**1000**	7000 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Health Simple Asphyxiant	Propane	100 %		74986

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
In a covered barrel at wash rack

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Sludge	**Gallons**	**55**	**55**	27	55					
	CAS No	State	Storage Container		Pressue	Waste Code					
	352	Solid	Steel Drum			352					
	Grid: G-4	Type			Temperature						
		Waste	Days on Site: 365								

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Inside fence west end of property by maintenance dept.

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Diesel Fuel CAS No 68476-30-2 Grid: G-3	**Gallons** State Liquid Type Mixture	**500** Storage Container Belowground Tank Days on Site: 365	**500**	300 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Diesel	100 %		68476-30-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Storage building west side of maintenance

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Ethylene Glycol CAS No 135 Grid: G-4	**Gallons** State Liquid Type Pure	**55** Storage Container Steel Drum Days on Site: 365	**55**	27 Pressue Ambient Temperature Ambient	55 Waste Code 135	- Health Carcinogenicity - Health Acute Toxicity - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity	Ethylene Glycol	100 %		135
	Used oil CAS No 221 Grid: G-4	**Gallons** State Liquid Type Waste	**300** Storage Container Steel Drum Days on Site: 365	**250**	100 Pressue > Ambient Temperature > Ambient	1200 Waste Code 221	- Physical Hazard Not Otherwise Classified - Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Germ Cell Mutagenicity - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Used oil	100 %		221

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **CMC Rebar Southern CA**
Facility Name **CMC Rebar Etiwanda**
12451 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Vehicle Maintenance Building

CERS ID **10039324**
Facility ID **FA0003266**
Status **Submitted** on 4/2/2020 11:15 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Motor Oil	**Gallons**	**370**	**55**	220		- Physical Flammable - Health Respiratory Skin Sensitization - Health Hazard Not Otherwise Classified	Motor oil	100 %		8020835
	CAS No 8020835 Grid: G-3	State Liquid Type Pure	Storage Container Steel Drum Days on Site: 365		Pressue Ambient Temperature Ambient	Waste Code					

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date May 13, 1980

Name: Ameron Pipe

Address: 12455 Arrow Highway, Etiwanda

To: Store & disrense gasoline (two 3000 gallon tanks) and diesel fuel (one 10,000 gallon tank)

At: 12455 Arrow Highway, Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: J. E. Longa

Title: Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

NO: 4239

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — **FIRE SAFETY DIVISION** — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Encon Environmental & Engineering Services DATE: Sept. 30, 1998

ADDRESS: 4010 Watson Plaza Dr., #225, Lakewood, CA 90712 PHONE: 562/982-0273

TO: (Type of Permitted Use/Activity) Remove three (3) UST - one (1) 10,000 gal diesel and two (2) 3,000 gal gasoline tanks.

AT: (Location of Permitted Use/Activity) Ameran Concrete Steel Pipe Systems 12455 Arrow Route Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: including underground pipings

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: _____

BY: _____

TITLE: Kevin Walton, Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

MAIL TO:

P. O. Box 35
Alta Loma, CA 91701

ATTENTION:
INSP. LONGO

FOOTHILL FIRE DISTRICT

(714) 987-1786

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE April 3, 1980

APPLICATION IS HEREBY MADE BY THE UNDERSIGNED FOR A PERMIT TO:

( ) STORE
( ) USE
(x) INSTALL
( ) CONDUCT OPERATIONS

IN OR ON THE PREMISES KNOWN AS: Ameron (pipe plant)
12455 Arrow Route STREET/AVENUE
Etiwanda 91739, CALIFORNIA

BRIEFLY DESCRIBE THE OPERATION(S) AND/OR TYPE AND AMOUNTS OF STORAGE WHICH, IF LIQUIDS, SHALL INCLUDE CHEMICAL OR BRAND NAMES AND FIRE HAZARD RATINGS, FLASH POINT, BOILING POINT AND EXPLOSIVE LIMITS:

Install 1 - 10,000 gallon underground storage tank (diesel)
Install 1 - 3,000 gallon underground storage tank (gasoline) NEW
Install 1 - 3,000 gallon underground storage tank (gasoline) NEW

(✓) IF CHECKED, TWO SETS OF PLANS AND CONSTRUCTION DETAILS SHALL BE SUBMITTED ALONG WITH THIS APPLICATION.

THIS APPLICATION IS DENIED ( ) APPROVED (✓)

SIGNED E. Mayo TITLE

DATE 4-4-80

RECEIVED
APR - 4 1980
FOOTHILL FIRE DISTRICT

Prime of California
NAME OF APPLICANT - PLEASE PRINT

William E MacLeod
SIGNATURE

TELEPHONE: 213/774-3270

Rev. 1/77

NO: 3581

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Ameron Concrete & Steel Pipe DATE: January 26, 1999

ADDRESS: 12455 Arrow Rt. PHONE: (909) 899-7808

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type: "Tank Storage, Aboveground Flammable & Combustible Liquid". Quantity: 2000 Gallons

AT: (Location of Permitted Use/Activity) 12455 Arrow Rt. Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition.

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: INDEFINITE

BY: [signature]

TITLE: F.P.E.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

NO: 3580

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Ameron Concrete & Steel Pipe DATE: January 26, 1999

ADDRESS: 12455 Arrow Rt. PHONE: (909) 899-7808

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type: Diesel & Gasonline (I & II)
Quantity: 2000 Gallons
(Tank Installation)

AT: (Location of Permitted Use/Activity) 12455 Arrow Rt. Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: INDEFINITE

BY: [signature]

TITLE: [signature]

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

OIL STORAGE

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

( ) Other (Specify)_____

At: Business Name AMERON CONCRETE & STEEL PIPE

Address 12455 ARROW RT RANCHO CUCAMONGA

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

THE STORAGE, USE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH UFC, ARTICLE 79, 1994 EDITION

TYPE: "Fuel Dispensing"

QUANTITY: GALLONS

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations. SIGNED BY A COMPANY OFFICER OR A WRITTEN REPRESENTATIVE

Print Applicant's Name KIRK BATHGATE Phone (909) 899-7808

Applicant's Signature Kirk Bathgate Date 12/15/98

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED (X) DENIED ( )

(Signature) 1/26/99 (Date)

Senior Bldg Insp (Title)

RON NEE
FIRE AGENCY REPRESENTATIVE

TELEPHONE X 2242

Fee Due $ 95.00 Date Paid 11.16.98

019462

Rev. 3/92

OTHER

NO: 3582

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Ameron Concrete & Steel Pipe DATE: January 26, 1999

ADDRESS: 12455 Arrow PHONE: (909) 899-7808

TO: (Type of Permitted Use/Activity) Maintain the Storage, Use and Handling of Flammable and Combustible Liquids. Type: Fuel Dispensing
Quantity:

AT: (Location of Permitted Use/Activity) 12455 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: In accordance with UFC, Article 79, 1994 Edition

Expiration Date: INDEFINITE

BY: [signature]

TITLE: F.P.E.

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date [illegible]

Name: Ameron Pipe

Address: 12455 Arrow Highway, Stiwanda

To: Store & dispense gasoline (two 3000 gallon tanks) and diesel fuel (one 10,000 gallon tank)

At: 12455 Arrow Highway, Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: [signature] J. L. Longo

Title: Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

10620

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: **Ameron** DATE ISSUED: **10-16-2012**

ADDRESS: **12455 Arrow Rte., Rancho Cucamonga** PHONE: **909-899-1716**

TO: (Type of permitted use / activity)

Operate a Motor Vehicle Fuel-Dispensing station dispensing flammable and/or combustible liquids, liquefied petroleum gases, compressed natural gases, or similar substances intended for use as a motor vehicle fuel in accordance with Chapter 22 of the 2010 California Fire Code. 1,500 gal diesel, 500 gal gasoline.

AT: (Location of permitted use / activity) **12455 Arrow Rte., Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **06-30-2013**

Issued By: **Shane Adams**

Title: **FPSII**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

10621

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: **Ameron** DATE ISSUED: **10-16-2012**

ADDRESS: **12455 Arrow Rte., Rancho Cucamonga** PHONE: **909-899-1716**

TO: (Type of permitted use / activity)

Store, use, and/or handle Flammable and/or Combustible Liquids in accordance with Chapters 27 and 34 of the 2010 California Fire Code. Petroleum Hydrocarbons Quantities on file.

AT: (Location of permitted use / activity) **12455 Arrow Rte., Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **06-30-2013**

Issued By: **Shane Adams**

Title: **FPSII**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

10618

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: **Ameron** DATE ISSUED: **10-16-2012**

ADDRESS: **12455 Arrow Rte., Rancho Cucamonga** PHONE: **909-899-1716**

TO: (Type of permitted use / activity)

Store, handle, and/or dispense Liquefied Petroleum Gas in accordance with Chapters 27 and 38 of the 2010 California Fire Code. Propane 4 cylinders max.

AT: (Location of permitted use / activity) **12455 Arrow Rte., Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **06-30-2013**

Issued By: **Shane Adams**

Title: **FPSII**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

10619

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: **Ameron** DATE ISSUED: **10-16-2012**

ADDRESS: **12455 Arrow Rte., Rancho Cucamonga** PHONE: **909-899-1716**

TO: (Type of permitted use / activity)

Conduct Hot Work operations in accordance with Chapter 26 of the 2010 California Fire Code. Oxygen/Acetylene.

AT: (Location of permitted use / activity) **12455 Arrow Rte., Rancho Cucamonga** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the California Fire Code and other related regulations are complied with.

Special Conditions:

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Expiration Date: **06-30-2013**

Issued By: **Shane Adams**

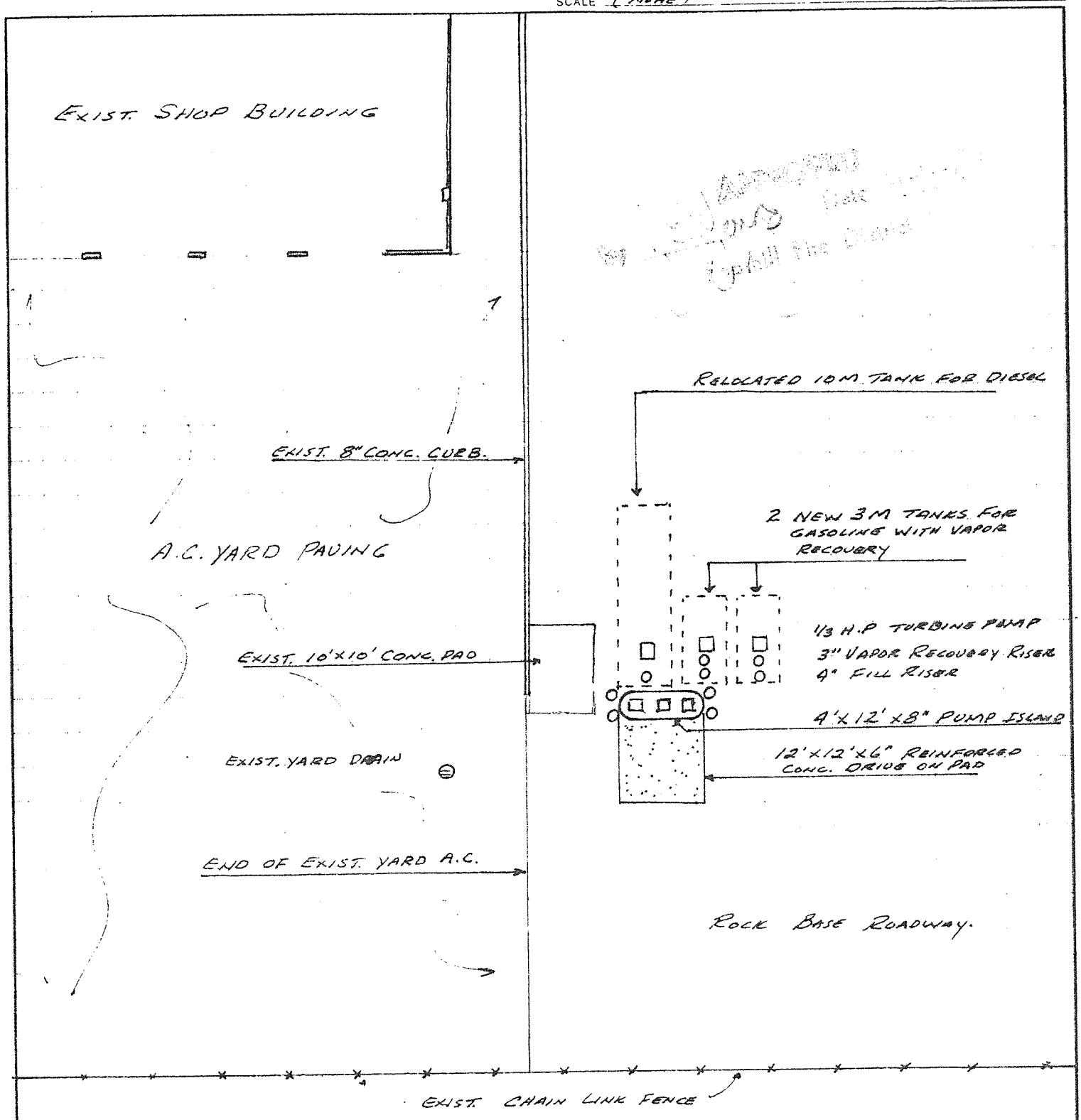
Title: **FPSII**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 5/2012

PRIME OF CALIFORNIA
14751 S. Garfield Ave.
PARAMOUNT, CA 90723
Phone 774-3270 State Lic. #262413

JOB AMERON'S DIRT PLANT.
~~SHEET NO~~ 12455 ARROW ROUTE
~~CALCULATED BY~~ ETIWANDA CALIF. 91739
CHECKED BY _____ DATE 4-2-80
SCALE (NONE)



PAGE 1-OF 2

FLAMMABLE LIQUIDS STORAGE INSPECTION REPORT

COMPANY NAME Ameron Pipe ADDRESS 12455 Arrow

INSTALLATION LOCATION 12455 Arrow

PROPERTY OWNER Ameron Steel ADDRESS

INSTALLER Prime Of Calitornia ADDRESS 14751 So. Garfield Paramount Ca. 90723

TYPE OF SYSTEM

PRESSURE: ✓ VACUUM:

TANKS AND DISPENSERS

Tanks (New)

(GAS - ~~EAST~~ CENTER TANK)

UL # H708295 Date 4-80 Cap 3000

Mfg. KERSSEB

(GAS - EAST TANK)

UL # H78294 Date 4-80 Cap 3000

Mfg. KERSSEB

(DIESEL - WEST TANK)

UL # SEE OTHER SIDE Date Cap

Mfg.

UL # Date Cap

Mfg.

UL # Date Cap

Mfg.

UL # Date Cap

Mfg.

Dispensers

Pump #
Serial #
UL #
Make/Model

Pump #
Serial #
UL #
Make/Model

Pump #
Serial #
UL #
Make/Model

Pump #
Serial #
UL #
Make/Model

Pump #
Serial #
UL #
Make/Model

Pump #
Serial #
UL #
Make/Model

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
04/30/1999

PERMIT

NON-TRANSFERABLE

AMERON PIPE DIV,ARROW PLT
12455 ARROW RT
ETIWANDA, CA 91739
EST - 86008873 PERMIT - 8603010043

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $542.00

AMERON PIPE DIVISION
DBA: AMERON PIPE DIV,ARROW PLT
12455 ARROW RT
ETIWANDA, CA 91739

NBR TANKS - 3

Director
COUNTY FIRE CHIEF/FIRE WARDEN

PERMIT DOES NOT IMPLY APPROVAL

POST IN A
CONSPICUOUS PLACE

04-1804-631 REV. 8/95

RANCHO CUCAMONGA FIRE DISTRICT

Fire Safety Division
10500 Civic Center Drive, P. O. Box 807
Rancho Cucamonga, CA 91729
(909) 477-2770

SUBJECT: UST ABANDONMENT CHECK LIST AND INFORMATION NOTICE

Site Address AMERON Concrete Steel Pipe 12455 ARROW ROUTE ETIWANDA, CA. 91739			
Date of Call	Person Calling	Company Name	Phone Number
	RAY FLETCHER	ENCON Environmental Corp.	562-982-0273
Requested Date of Insp.	Estimated Start Time	Estimated Finish Time	Permit Number
	9-29-98	10/5 or 10/6	

INSTRUCTIONS: When you call to make an appointment, have the shaded boxes completed.

HOW ARE YOU GOING TO ABANDON THE TANKS?

Triple Rinsed & Inverted ☒ Hauled as Hazardous Waste ☐ Abandoned & Filled in Place ☐

DO YOU KNOW THE FOLLOWING?

- ♦ If the FSD permit fee has been paid on each tank.
- ♦ If you do not have the Fire District permit number, you are not guaranteed an inspection.
- ♦ An emergency inspection is not a guaranteed inspection under any circumstances.

DO YOU HAVE THE FOLLOWING REQUIRED ITEMS?

- ♦ A Rancho Cucamonga Fire Protection District permit.
- * ♦ A Rancho Cucamonga Business License # Applied 9-22-98 pd 346.00 Copy enclosed
- ♦ An AQMD permitted degassing contract whose equipment is approved.
- * ♦ A CAL OSHA excavating permit # 562017.
- ♦ An EPA generators ID # CAT 080033202
- * ♦ A contractor license that is approved for underground tank work, including hazardous endorsement: A, B, C36, C61-D40. # 748576
- ♦ A licensed hazardous waste hauler for tank when abandoning tank as hazardous waste. Name: N/A # De-Gas + Triple Rinsed on site + Shipped as Non-Haz
- ♦ A detailed scaled plan depicting tank, piping, vent and fill; buildings or structures; property lines; and overhead/underground utilities. The use of an Underground Service Alert to locate underground utilities will meet this requirement, if noted on the plan.
- * ♦ A site specific health and safety plan per CCR Title 8 3203(A) 1509(c) requirement.
- ♦ Analytical results of tank contents or written documentation of contents prior to commencement of work.
- ♦ A Marine Chemist to certify the tank clean.
- * ♦ Copies of Worker's Comp and liability insurance.
- ♦ A high pressure washer, minimum 2000 psi.
- ♦ A crane that is capable of lifting the tank safely.
- ♦ A back hoe or auger with extensions for soil sampling, **you cannot enter the excavation** without approved Cal OSHA shoring or complying slopes.

* **Copies of documents required with submittal.**

Continued...

RANCHO CUCAMONGA FIRE DISTRICT
500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

(X) Conduct Operations ( ) Manufacture ( ) Store ( ) Install
( ) Other (Specify)_____

At: Business Name AMERON CONCRETE STEEL PIPE
Address 12455 ARROW ROUTE ETIWANDA, CA. 91739

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

THE GENERAL USE ON THE PREMISES HAS BEEN DETERMINED TO BE OR PRODUCE A HAZARD TO LIFE OR PROPERTY AND SHALL BE IN ACCORDANCE WITH UFC ARTICLE 105, 1994 EDITION.
Removal THREE UST - ONE (1) 10,000 gal. Diesel and TWO (2) 3,000 gal Gasoline
(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name KIRK BATHGATE Phone 909-899-7808
Applicant's Signature X Kirk Bathgate Date 9-18-98

* FOR FIRE AGENCY USE ONLY *

THIS APPLICATION IS: APPROVED (X) DENIED ( )
(Signature) 9/30/98 (Date)
FIRE INSPECTOR (Title)

RON NEE
FIRE AGENCY REPRESENTATIVE
TELEPHONE X2242

Fee Due $ 573.00 Date Paid 9/30/98

Rev. 3/92

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**

12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Oil	**Gallons**	**1000**	**830**	300	1500	- Fire				
Flammable Liquid, Class I-A	CAS No	State: Liquid	Storage Container: Aboveground Tank		Pressue: Ambient	Waste Code: 331					
		Type: Waste	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Fuel Island

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6	**Gallons** State Liquid Type Pure	**2500** Storage Container Aboveground Tank Days on Site: 365	**1500**	2350 Pressue Ambient Temperature Ambient	Waste Code	- Fire - Acute Health	Diesel Fuel #2 Napthalene	98 % 1 %		68476-34-6 91-20-6
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B, Other Health Hazard, Irritant	**Gasoline** CAS No 8006-61-9	**Gallons** State Liquid Type Pure	**500** Storage Container Aboveground Tank Days on Site: 365	**500**	450 Pressue Ambient Temperature Ambient	Waste Code	- Fire - Chronic health	Gasoline Benzene Toulene Xylenes	90 % 3 % 8 % 15 %		8006-61-9 71-43-2 108-88-3 1330-20-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Maintenance shop

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	Chevron RPM universal gear lubricant SAE 85W-140	**Gallons**	**120**	**120**	80		- Fire - Chronic health	Severly refined petroleum distillate	90 %	
Flammable Liquid, Class I-A	CAS No	State: Liquid Type: Mixture	Storage Container: Other Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Maintenance Shop

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Chevron automatic transmission fluid +3 CAS No	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Aboveground Tank Days on Site: 365	**1000**	55 Pressue: Ambient Temperature: Ambient	Waste Code	- Chronic health	Formaldehyde Sodium Hydroxide	1 % 2 %		50-00-00
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron AW ISO 32** CAS No	**Gallons** State: Liquid Type: Mixture	**120** Storage Container: Aboveground Tank Days on Site: 365	**120**	80 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Chronic health	Severly refined petroleum distillate Additives	98 % 1 %		
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron AW ISO 46** CAS No	**Gallons** State: Liquid Type: Mixture	**120** Storage Container: Aboveground Tank Days on Site: 365	**120**	80 Pressue: Temperature:	Waste Code	- Fire	Severly refined petroleum distillate Additives	98 % 1 %		
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron RPM Heavy Duty Motor Oil 15W-40** CAS No	**Gallons** State: Liquid Type: Mixture	**1000** Storage Container: Aboveground Tank Days on Site: 365	**1000**	700 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire	Severly refined petroleum distillate Additives Zinc alkyl dithiophosphate	75 % 23 % 1 %		
Flammable Liquid, Class I-A	**Chevron RPM universal gear lubricant SAE 80W-90** CAS No	**Gallons** State: Liquid Type: Mixture	**120** Storage Container: Other Days on Site: 365	**120**	80 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Chronic health	severly refined petroleum distillate	90 %		
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron Ultra-duty grease EP** CAS No	**Gallons** State: Liquid Type: Mixture	**75** Storage Container: Steel Drum Days on Site: 365	**55**	55 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire	Distillates, hydrotreated heavy naphthenic Polybutene Lithium base thickeners zinc compound	70 % 5 % 10 % 5 %		64742-52-5 9003296

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

North/west of fuel island

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron AW ISO 68** CAS No	**Gallons** State: Liquid Type: Mixture	**500** Storage Container: Aboveground Tank Days on Site: 365	**500**	300 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Chronic health	Severly refined petroleum distillate Additives	98 % 1 %		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Paint, Gunite sheds, warehouse

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Miscellaneous Painte & Epoxys	**Gallons**	**200**	**5**	100			Miscellaneous			
	CAS No	State	Storage Container		Pressue	Waste Code					
		Liquid	Can		Ambient						
		Type			Temperature						
		Mixture	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Production area

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State Gas Type Pure	**6000** Storage Container Cylinder Days on Site: 365	**200**	4000 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Reactive - Pressure Release - Acute Health				
	Concrete Add mix CAS No	**Gallons** State Liquid Type Mixture	**1600** Storage Container Aboveground Tank Days on Site: 365	**1600**	1000 Pressue Ambient Temperature Ambient	Waste Code	- Fire - Chronic health	Ethlene oxide Dioxane	1 % 1 %		75-21-8 123-91-1
DOT: 2.1 - Flammable Gases Flammable Gas	**Liquefied Petroleum Gas (lpg)** CAS No 74-98-6	**Cu. Feet** State Gas Type Pure	**1000** Storage Container Cylinder Days on Site: 365	**10**	500 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release				
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**15000** Storage Container Cylinder Days on Site: 365	**200**	10000 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Production Area

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Waste Paint & Thinner	**Gallons**	**330**	**55**	110		- Fire - Acute Health				
	CAS No	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code: 461					
		Type: Waste	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Tape Coat, paint area

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Polyken 1039 primer	**Gallons**	**275**	**55**	220		- Fire	Oxsol-100	98 %		98-56-6
Flammable Liquid, Class I-A	CAS No	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code	- Chronic health				
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Vertical & Motor coat machines

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**Resin & Cure/epoxy amercoat cure**	**Gallons**	**1320**	**55**	500		- Fire - Chronic health	Silica	13 %		14808-60-7
		State	Storage Container		Pressue	Waste Code		Magnesium sillicate	28 %		14807-96-6
Flammable Liquid, Class I-A	CAS No	Liquid	Plastic/Non-metalic Drum		Ambient			Coal Tar	28 %		65996-93-3
		Type			Temperature			Sliphatic amine	8 %		111-40-0
		Mixture	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Verticast Batch Plant

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Concrete Add mix	**Gallons**	**1500**	**1500**	1000		- Chronic health	Formaldehyde	3 %		50-00-00
	CAS No	State	Storage Container		Pressue	Waste Code		Sodium Hydroxide	2 %		
		Liquid	Aboveground Tank		Ambient						
		Type			Temperature						
		Mixture	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**

12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Oil	**Gallons**	**1000**	**830**	300	1500	- Fire				
Flammable Liquid, Class I-A	CAS No	State: Liquid	Storage Container: Aboveground Tank		Pressue: Ambient	Waste Code: 331					
		Type: Waste	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Fuel Island

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6	**Gallons** State Liquid Type Pure	**2500** Storage Container Aboveground Tank Days on Site: 365	**1500**	2350 Pressue Ambient Temperature Ambient	Waste Code	- Fire - Acute Health	Diesel Fuel #2 Napthalene	98% 1%		68476-34-6 91-20-6
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B, Other Health Hazard, Irritant	**Gasoline** CAS No 8006-61-9	**Gallons** State Liquid Type Pure	**500** Storage Container Aboveground Tank Days on Site: 365	**500**	450 Pressue Ambient Temperature Ambient	Waste Code	- Fire - Chronic health	Gasoline Benzene Toulene Xylenes	90% 3% 8% 15%		8006-61-9 71-43-2 108-88-3 1330-20-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Maintenance shop

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Chevron RPM universal gear lubricant SAE 85W-140	**Gallons**	**120**	**120**	80		- Fire - Chronic health	Severly refined petroleum distillate	90%		
Flammable Liquid, Class I-A	CAS No	State: Liquid Type: Mixture	Storage Container: Other Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Maintenance Shop

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Chevron automatic transmission fluid +3 CAS No	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Aboveground Tank Days on Site: 365	**1000**	55 Pressue: Ambient Temperature: Ambient	Waste Code	- Chronic health	Formaldehyde Sodium Hydroxide	1% 2%		50-00-00
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron AW ISO 32** CAS No	**Gallons** State: Liquid Type: Mixture	**120** Storage Container: Aboveground Tank Days on Site: 365	**120**	80 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Chronic health	Severly refined petroleum distillate Additives	98% 1%		
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron AW ISO 46** CAS No	**Gallons** State: Liquid Type: Mixture	**120** Storage Container: Aboveground Tank Days on Site: 365	**120**	80 Pressue: Temperature:	Waste Code	- Fire	Severly refined petroleum distillate Additives	98% 1%		
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron RPM Heavy Duty Motor Oil 15W-40** CAS No	**Gallons** State: Liquid Type: Mixture	**1000** Storage Container: Aboveground Tank Days on Site: 365	**1000**	700 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire	Severly refined petroleum distillate Additives Zinc alkyl dithiophosphate	75% 23% 1%		
Flammable Liquid, Class I-A	**Chevron RPM universal gear lubricant SAE 80W-90** CAS No	**Gallons** State: Liquid Type: Mixture	**120** Storage Container: Other Days on Site: 365	**120**	80 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Chronic health	severly refined petroleum distillate	90%		
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron Ultra-duty grease EP** CAS No	**Gallons** State: Liquid Type: Mixture	**75** Storage Container: Steel Drum Days on Site: 365	**55**	55 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire	Distillates, hydrotreated heavy naphthenic Polybutene Lithium base thickeners zinc compound	70% 5% 10% 5%		64742-52-5 9003296

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

North/west of fuel island

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**Chevron AW ISO 68** CAS No	**Gallons** State: Liquid Type: Mixture	**500** Storage Container: Aboveground Tank Days on Site: 365	**500**	300 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Chronic health	Severly refined petroleum distillate Additives	98% 1%		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Paint, Gunite sheds, warehouse

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Miscellaneous Painte & Epoxys	**Gallons**	**200**	**5**	100			Miscellaneous			
	CAS No	State: Liquid	Storage Container: Can		Pressue: Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Production area

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State Gas Type Pure	**6000** Storage Container Cylinder Days on Site: 365	**200**	4000 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Reactive - Pressure Release - Acute Health				
	Concrete Add mix CAS No	**Gallons** State Liquid Type Mixture	**1600** Storage Container Aboveground Tank Days on Site: 365	**1600**	1000 Pressue Ambient Temperature Ambient	Waste Code	- Fire - Chronic health	Ethlene oxide Dioxane	1% 1%		75-21-8 123-91-1
DOT: 2.1 - Flammable Gases Flammable Gas	**Liquefied Petroleum Gas (lpg)** CAS No 74-98-6	**Cu. Feet** State Gas Type Pure	**1000** Storage Container Cylinder Days on Site: 365	**10**	500 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release				
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**15000** Storage Container Cylinder Days on Site: 365	**200**	10000 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Production Area

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Paint & Thinner	**Gallons**	**330**	**55**	110		- Fire - Acute Health				
	CAS No	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code: 461					
		Type: Waste	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Tape Coat, paint area

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Polyken 1039 primer	**Gallons**	**275**	**55**	220		- Fire - Chronic health	Oxsol-100	98%		98-56-6
Flammable Liquid, Class I-A	CAS No	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**
12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Vertical & Motor coat machines

Facility ID **FA0000929**

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**Resin & Cure/epoxy amercoat cure**	**Gallons**	**1320**	**55**	500		- Fire - Chronic health	Silica	13%		14808-60-7
		State	Storage Container		Pressue	Waste Code		Magnesium sillicate	28%		14807-96-6
Flammable Liquid, Class I-A	CAS No	Liquid	Plastic/Non-metalic Drum		Ambient			Coal Tar	28%		65996-93-3
		Type			Temperature			Sliphatic amine	8%		111-40-0
		Mixture	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **San Bernardino County CUPA Non-Regulated/Not Applicable Facilities**

Chemical Location

CERS ID **10035301**

Facility Name **AMERON INTERNATIONAL WATER TRANSMISSION GROUP**

Verticast Batch Plant

Facility ID **FA0000929**

12455 ARROW RTE, RANCHO CUCAMONGA 91739-9173

Status **Submitted** on 2/19/2014 10:43 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Concrete Add mix	**Gallons**	**1500**	**1500**	1000		- Chronic health	Formaldehyde	3%		50-00-00
								Sodium Hydroxide	2%		
	CAS No	State: Liquid	Storage Container: Aboveground Tank		Pressue: Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Transmission and Distribution Organization (TD)**

Chemical Location

CERS ID **10035409**

Facility Name **SCE Ameron Substation**
12459 Arrow Rte, Rancho Cucamonga 91739

Inside electrical equipment

Facility ID **FA0000989**

Status **Submitted** on 2/23/2017 1:54 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Mineral Oil** CAS No 64742-53-6	**Gallons** State Liquid Type Mixture	**16584** Storage Container Steel Drum, Other Days on Site: 365	**3170**	16584 Pressue Ambient Temperature Ambient	Waste Code	- Fire	Hydrotreated Light Naphthenic Petroleum Oil Butylated Hydroxy Toluene	100 % 0 %		64742-53-6 128-37-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Transmission and Distribution Organization (TD)**

Chemical Location

CERS ID **10035409**

Facility Name **SCE Ameron Substation**
12459 Arrow Rte, Rancho Cucamonga 91739

Inside Electrical Equipment

Facility ID **FA0000989**

Status **Submitted** on 2/22/2018 10:23 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Mineral Oil** CAS No	**Gallons** State: Liquid Type: Mixture	**16584** Storage Container: Steel Drum, Other Days on Site: 365	**3170**	16584 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Aspiration Hazard	Severely Hydrotreated Light Naphthenic Petroleum Butylated Hydroxy Toluene	100 % 0 %		64742-53-6 128-37-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Transmission and Distribution Organization (TD)**

Chemical Location

CERS ID **10034656**

Facility Name **SCE Pipe Substation**
12459 Arrow Rte, Rancho Cucamonga 91739

Inside Electrical Equipment

Facility ID **FA0000434**

Status **Submitted** on 2/22/2018 10:22 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Mineral Oil** CAS No	**Gallons** State: Liquid Type: Mixture	**4923** Storage Container: Steel Drum, Other Days on Site: 365	**2775**	4923 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Aspiration Hazard	Severely Hydrotreated Light Naphthenic Petroleum Butylated Hydroxy Toluene	100 % 0 %		64742-53-6 128-37-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Transmission and Distribution Organization (TD)**

Chemical Location

CERS ID **10034656**

Facility Name **SCE Pipe Substation**
12459 Arrow Rte, Rancho Cucamonga 91739

Inside electrical equipment

Facility ID **FA0000434**

Status **Submitted** on 2/23/2017 1:54 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Mineral Oil** CAS No 64742-53-6	**Gallons** State Liquid Type Mixture	**4923** Storage Container Steel Drum, Other Days on Site: 365	**2775**	4923 Pressue Ambient Temperature Ambient	Waste Code	- Fire	Hydrotreated Light Naphthenic Petroleum Oil Butylated Hydroxy Toluene	100 % 0 %		64742-53-6 128-37-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Transmission and Distribution Organization (TD)**

Chemical Location

CERS ID **10034656**

Facility Name **SCE Pipe Substation**
12459 Arrow Rte, Rancho Cucamonga 91739

Inside Electrical Equipment

Facility ID **FA0000434**

Status **Submitted** on 3/4/2021 2:03 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Mineral Oil** CAS No	**Gallons** State: Liquid Type: Mixture	**2798** Storage Container: Steel Drum, Other Days on Site: 365	**2775**	2798 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Aspiration Hazard	Severely Hydrotreated Light Naphthenic Petroleum Butylated Hydroxy Toluene	100 % 0 %		64742-53-6 128-37-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Transmission and Distribution Organization (TD)**

Chemical Location

CERS ID **10035409**

Facility Name **SCE Ameron Substation**
12459 Arrow Rte, Rancho Cucamonga 91739

Inside Electrical Equipment

Facility ID **FA0000989**

Status **Submitted** on 2/15/2021 5:01 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Mineral Oil** CAS No	**Gallons** State: Liquid Type: Mixture	**16836** Storage Container: Steel Drum, Other Days on Site: 365	**3450**	16836 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Aspiration Hazard	Severely Hydrotreated Light Naphthenic Petroleum Butylated Hydroxy Toluene	100 % 0 %		64742-53-6 128-37-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TERVITA LLC**
Facility Name **TERVITA LLC**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10313566**
Facility ID **FA0014680**
Status **Submitted** on 7/27/2017 2:04 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State: Gas Type: Mixture	**200** Storage Container: Cylinder Days on Site: 365	**200**	Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Reactive - Pressure Release - Acute Health				
Combustible Liquid, Class III-B	**ANTIFREEZE** CAS No 107-21-1	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Steel Drum Days on Site: 365	**55**	Pressue: Ambient Temperature: Ambient	Waste Code	- Acute Health - Chronic health				
DOT: 3 - Flammable and Combustible Liquids	**ECO SAFE (FIRE RESISTANT HYDRAULIC OIL)** CAS No	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Steel Drum Days on Site: 365	**55**	Pressue: Ambient Temperature: Ambient	Waste Code					
DOT: 4.1 - Flammable Solids	**GENERAL PURPOSE GREASE** CAS No	**Pounds** State: Solid Type: Mixture	**35** Storage Container: Steel Drum Days on Site: 365	**35**	Pressue: Ambient Temperature: Ambient	Waste Code					
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen** CAS No 7782-44-7	**Cu. Feet** State: Gas Type: Pure	**700** Storage Container: Cylinder Days on Site: 365	**700**	Pressue: > Ambient Temperature: Ambient	Waste Code	- Fire - Pressure Release				
DOT: 9 - Misc. Hazardous Materials	**Used Oil Filters (Drained)** CAS No	**Gallons** State: Liquid Type: Waste	**55** Storage Container: Steel Drum Days on Site: 365	**55**	Pressue: Ambient Temperature: Ambient	55 Waste Code: 223		Waste Petroleum Hydrocarbons	100 %		Mixture

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TERVITA LLC**
Facility Name **TERVITA LLC**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Outside Storage Area

CERS ID **10313566**
Facility ID **FA0014680**
Status **Submitted** on 7/27/2017 2:04 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No.2** CAS No	**Gallons** State: Liquid Type: Mixture	**1000** Storage Container: Aboveground Tank Days on Site: 365	**1000**	250 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire	Diesel Fuel No.2 Naphthalene Renewable Diesel	95 % 0 % 5 %	68476-34-6 91-20-3
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Mobil Fleet 15W-40** CAS No	**Gallons** State: Liquid Type: Mixture	**250** Storage Container: Aboveground Tank Days on Site: 365	**250**	15 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire	zinc dithophosphate	3 %	68649-42-3
DOT: 3 - Flammable and Combustible Liquids	**Mobil Hydraulic 10W** CAS No	**Gallons** State: Liquid Type: Mixture	**250** Storage Container: Aboveground Tank Days on Site: 365	**250**	100 Pressue: Ambient Temperature: Ambient	Waste Code		zinc dithophosphate	3 %	68649-42-3
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Waste OIL** CAS No	**Gallons** State: Liquid Type: Waste	**250** Storage Container: Aboveground Tank Days on Site: 365	**250**	10 Pressue: Ambient Temperature: Ambient	750 Waste Code 221	- Fire			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Exterior. East side of main building.

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 4/21/2020 12:38 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2 Map: Map #3 Grid: K-8	**Cu. Feet** State Gas Type Pure	**800** Storage Container Cylinder Days on Site: 365	**200**	400 Pressue > Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Hazard Not Otherwise Classified	Acetylene	100 %		74-86-2
DOT: 2.2 - Nonflammable Gases Cryogen	**Argon, Liquid** CAS No 7440-37-1 Map: Map #3 Grid: K-9	**Cu. Feet** State Gas Type Pure	**600** Storage Container Cylinder Days on Site: 365	**300**	300 Pressue > Ambient Temperature Cryogenic	0 Waste Code	- Physical Gas Under Pressure - Health Simple Asphyxiant	Argon	100 %		7440-37-1
DOT: 2.1 - Flammable Gases Flammable Gas	**Liquefied Petroleum Gas (lpg)** CAS No 74-98-6 Map: Map #3 Grid: L-7	**Cu. Feet** State Gas Type Pure	**400** Storage Container Aboveground Tank Days on Site: 365	**400**	200 Pressue > Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Hazard Not Otherwise Classified	Ethane Propane Propylene Butane	6 % 87 % 5 % 2 %		74-84-0 74-98-6 115-07-1 106-97-8
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen** CAS No 7782-44-7 Map: Map #3 Grid: K-9	**Cu. Feet** State Gas Type Pure	**1400** Storage Container Cylinder Days on Site: 365	**200**	800 Pressue > Ambient Temperature Ambient	0 Waste Code	- Physical Gas Under Pressure - Physical Oxidizer	Oxygen	100 %		7782-44-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Exterior. North/East side of Main Building

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 4/21/2020 12:38 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases Cryogen	**Nitrogen, Liquid** CAS No 7727-37-9 Map: Map #3 Grid: L-6	**Gallons** State Liquid Type Pure	**6000** Storage Container Aboveground Tank Days on Site: 365	**6000**	3000 Pressue > Ambient Temperature Cryogenic	0 Waste Code	- Physical Gas Under Pressure - Physical Explosive - Physical Hazard Not Otherwise Classified - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Nitrogen	100 %		7727-37-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Exterior. South/West side of main building.

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 4/21/2020 12:38 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Calcium Hydroxide Solution** CAS No Map: Map #3 Grid: D-10	**Gallons** State: Liquid Type: Mixture	**3000** Storage Container: Aboveground Tank Days on Site: 365	**3000**	1500 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Health Carcinogenicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Calcium Hydroxide Magnesium Hydroxide Silicone Dioxide Water	25 % 3 % 1 % 71 %		1305-62-0 1309-42-8 14808-60-7 7732-18-5
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Water Reactive, Class 2, Toxic, Oxidizing, Class 1	**Sulfuric Acid** CAS No 7664-93-9 ✓EHS Map: Map #3 Grid: C-9	**Pounds** State: Liquid Type: Pure	**15300** Storage Container: Aboveground Tank Days on Site: 365	**15300**	7650 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Hazard Not Otherwise Classified	Sulfuric Acid Water	99 % 1 %	✓	7664-93-9 7722-64-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
In Building. Chemical Storage Area.

CERS ID **10040527**
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic	**AA #2 Lime Additive** CAS No Map: Map #3 Grid: D-9, E-9	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Steel Drum Days on Site: 365	**55**	55 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Diethylene Glycol Silicone Antifoam Octyl/decyl alcohols, ethoxylated Water	15 % 10 % 15 % 60 %	111-46-6 68603-25-8 7722-64-7
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Bulk Draw 416MX** CAS No Map: Map #3 Grid: C-9, D-9, E-9	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Phosphoric Acid Zinc compounds, as Zinc Nickel compounds, as Nickel Nitric Acid Water	7 % 13 % 1 % 10 % 69 %	7664-38-2 7697-37-2 7732-18-5

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
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12459 ARROW RTE, RANCHO CUCAMONGA 91739

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Bulk Draw 417RX** CAS No Map: Map #3 Grid: C-9, D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	Phosphoric Acid Zinc compounds, as Zinc Nickel compounds, as Nickel Nitric Acid Water	9 % 12 % 1 % 2 % 76 %		7664-38-2 7697-37-2 7732-18-5
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Bulk Phos No. 1** CAS No 7664-38-2 Map: Map #3 Grid: D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Phosphoric Acid Water	75 % 25 %		7664-38-2 7732-18-5
DOT: 9 - Misc. Hazardous Materials Toxic	**L1011-NC Inhibitor** CAS No Map: Map #3 Grid: D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	Diethylthiourea Polyethylenepolyamine Coco Amine Water	5 % 15 % 5 % 75 %		105-55-5 68603-67-8 61791-14-8 7732-18-5

Hazardous Materials And Wastes Inventory Matrix Report

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12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
In Building. Chemical Storage Area.

CERS ID **10040527**
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-A	**Misti Emulsi Plus** CAS No Map: Map #3 Grid: H-7, D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Physical Hazard Not Otherwise Classified - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard - Health Hazard Not Otherwise Classified	Mineral Spirits Monocyclic Terpene	90 % 10 %		64742-88-7 5989-27-5
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Rust Preventative Oil** CAS No 64742-52-5 Map: Map #3 Grid: D-9, E-9, J-11	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Aspiration Hazard	Aliphatic Petroleum Distillate	100 %		64742-52-5
DOT: 6.1 - Toxic Substances Toxic	**Sodium Nitrate** CAS No 7632-00-0 Map: Map #3 Grid: D-9, E-9	**Gallons** State Liquid Type Mixture	**55** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	30 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Oxidizer - Health Serious Eye Damage Eye Irritation	Sodium Nitrate Water	32 % 68 %		7632-00-0 7732-18-5
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Waste Lubricating Oil** CAS No Map: Map #3 Grid: D-9	**Gallons** State Liquid Type Waste	**300** Storage Container Aboveground Tank Days on Site: 365	**300**	150 Pressue Ambient Temperature Ambient	500 Waste Code 221	- Physical Hazard Not Otherwise Classified - Health Aspiration Hazard	Waste lubricating/hydraulic oils	100 %		

Hazardous Materials And Wastes Inventory Matrix Report

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12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Interior. Main Building.

CERS ID **10040527**
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Calcium Hydroxide** CAS No 1305-62-0 Map: Map #3 Grid: C-7, J-12	**Pounds** State Solid Type Pure	**2000** Storage Container Bag Days on Site: 365	**50**	1000 Pressue Ambient Temperature Ambient	0 Waste Code	- Health Carcinogenicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Calcium Hydroxide	100 %		1305-62-0
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Sodium Hydroxide 0.5-10%** CAS No 1310-73-2 Map: Map #3 Grid: D-9	**Gallons** State Liquid Type Mixture	**30** Storage Container Tank Inside Building Days on Site: 365	**30**	15 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sodium Hydroxide Water	10 % 90 %		1310-73-2 7732-18-5
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Spent Wire Draw Lube- Calcium and Sodium Based** CAS No Map: Map #3 Grid: Multi, D-9	**Pounds** State Solid Type Waste	**6000** Storage Container Tote Bin Days on Site: 365	**1000**	1000 Pressue Ambient Temperature Ambient	40000 Waste Code 181	- Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Waste Sodium Soap Waste Lime Waste Calcium Hydroxide Waste Calcium Carbonate Iron Oxide	70 % 20 % 5 % 3 % 2 %		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **Interior. Main Building. Dry Chemical Storage Area.**

CERS ID **10040527**
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic	**#1 Soap** CAS No Map: Map #3 Grid: H-13, I-13 State: Solid Storage Container: Bag Type: Mixture Days on Site: 365	**Pounds**	**2000**	**50**	1000 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sodium stearate	100 %		822-16-2
DOT: 9 - Misc. Hazardous Materials Toxic	**Disodium Borate (Borax)** CAS No 12179-04-3 Map: Map #3 Grid: C-7, J-12 State: Solid Storage Container: Bag Type: Pure Days on Site: 365	**Pounds**	**1000**	**50**	500 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Health Acute Toxicity - Health Reproductive Toxicity - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Disodium Borax	100 %		12179-04-3
DOT: 5.1 - Oxidizing Substances Toxic, Corrosive, Oxidizing, Class 2	**Potassium Permanganate** CAS No 7722-64-7 Map: Map #3 Grid: C-7, J-12 State: Solid Storage Container: Steel Drum Type: Pure Days on Site: 365	**Pounds**	**1320**	**330**	660 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Oxidizer - Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Hazard Not Otherwise Classified	Potassium Permanganate	100 %		7722-64-7
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Ridoline XP** CAS No Map: Map #3 Grid: C-7, J-12 State: Solid Storage Container: Fiber Drum Type: Mixture Days on Site: 365	**Pounds**	**2250**	**450**	1125 Pressue: Ambient Temperature: > Ambient	6000 Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Sodium Hydroxide Sodium Metasilicate	65 % 35 %		1310-73-2 6834-92-0

Hazardous Materials And Wastes Inventory Matrix Report

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12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Interior. Main Building. Dry Chemical Storage Area.

CERS ID **10040527**
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS CAS No.
DOT: 6.1 - Toxic Substances Toxic, Corrosive	**Sodium tripolyphosphate** CAS No 7758-29-4 Map: Map #3 Grid: J-12	**Pounds** State Solid Type Pure	**1200** Storage Container Fiber Drum Days on Site: 365	**300**	600 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Sodium Tripolyphosphate	100 %	7758-29-4
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil Salvia 2** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State Solid Type Mixture	**5280** Storage Container Fiber Drum Days on Site: 365	**330**	2640 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Sodium tetraborate pentahydrate Calcium Hydroxide Nitric Acid Sodium Salt	20 % 22 % 10 %	12179-04-3 1305-62-0 7631-99-4
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TF 120 G** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State Solid Type Mixture	**9000** Storage Container Fiber Drum Days on Site: 365	**450**	4500 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Calcium stearate Hydrated lime	80 % 20 %	1592-23-0 1305-62-0

Hazardous Materials And Wastes Inventory Matrix Report

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12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Interior. Main Building. Dry Chemical Storage Area.

CERS ID **10040527**
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TN 135** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**800** Storage Container: Fiber Drum Days on Site: 365	**400**	400 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Calcium Soap	100 %		1305-62-0
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TN 19T2** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**13640** Storage Container: Fiber Drum Days on Site: 365	**310**	6820 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Borates, Tetra, Sodium Salts, Pentahydrate Sodium carbonate Nitric acid sodium salt	10 % 10 % 3 %		12179-04-3 497-19-8 7631-99-4
DOT: 9 - Misc. Hazardous Materials Corrosive	**Vicafil TN 411** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**9000** Storage Container: Fiber Drum Days on Site: 365	**450**	4500 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Stearates Calcium hydroxide Sulfer Molybdenum compounds	40 % 40 % 10 % 10 %		Proprietary 1305-62-0 7704-34-9 Proprietary

Hazardous Materials And Wastes Inventory Matrix Report

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Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Interior. Main Building. Dry Chemical Storage Area.

CERS ID **10040527**
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TN 6264 X** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**19600** Storage Container: Other Days on Site: 365	**1400**	9800 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Sodium stearate Hydrated lime Calcium stearate	80 % 10 % 10 %		822-16-2 1305-62-0 1592-23-0
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TS 350** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**9000** Storage Container: Fiber Drum Days on Site: 365	**450**	4500 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Sodium tetraborate pentahydrate	85 %		12179-04-3

Hazardous Materials And Wastes Inventory Matrix Report

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12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Interior. Main Building. Dry Chemical Storage Area.

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Toxic, Corrosive	**Vicafil TS 7112** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State Solid Type Mixture	**5600** Storage Container Fiber Drum Days on Site: 365	**400**	2800 Pressue Ambient Temperature Ambient	Waste Code	- Physical Corrosive To Metal - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Silicic acid, sodium salt Melamine Sodium Metasilicate Sodium carbonate	20 % 10 % 10 % 10 %	1344-09-8 108-78-1 6834-92-0 497-19-8
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Wire Drawing Compound** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State Solid Type Mixture	**800** Storage Container Steel Drum Days on Site: 365	**400**	400 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Hazard Not Otherwise Classified	Mica Graphite Calcium Hydroxide Proprietary (Non-Hazardous)	20 % 5 % 5 % 70 %	12001-26-2 7782-42-5 1305-62-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Interior. Main Building. Maintenance Department.

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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Hydraulic Oil** CAS No Map: Map #3 Grid: J-8	**Gallons** State Liquid Type Mixture	**55** Storage Container Steel Drum Days on Site: 365	**55**	20 Pressue Ambient Temperature Ambient	500 Waste Code 221	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	Petroleum Hydrocarbons and additives	100 %		

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730
(909) 477-2770 www.RCFire.org

OPERATING PERMIT

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

Permit Number: FIRE2020-00343

Issued Date: 04/22/2021

Expiration Date: 7/30/2022

Permitted Operations, Uses, Activities, and Conditions:

Permit	Notes
Hazardous Material in Excess - Gallons 251 - 500	Corrosive liquids
Cryogenic Fluids	6,000 gallon Nitrogen
Flammable and Combustible Liquids - 251 - 500 gallons or less over max allowable quantity	385 gallons
Hazardous Material in Excess - Gallons 251 - 500	Oxidizers Liquid and Solid
Hot Work – Program	Oxygen and Acetylene
LP Gas – Store, use, handle, dispense, sell	499 gallon tank and 8 gallon cylinders for forklifts
Hazardous Material in Excess - Gallons 251 - 500	

In accordance with the terms of application on file with the Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on the condition that all applicable sections of the California Fire Code and other related regulations are complied with. This permit does not take place of any license required by law. This permit is not transferable. Any changes in the use or occupancy of premises shall require a new permit.

Issued To:

Tree Island Wire
12459 ARROW RTE Unit A
RANCHO CUCAMONGA, CA 91739

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730
(909) 477-2770 www.RCFire.org

OPERATING PERMIT

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

Permit Number: FIRE2018-00284

Issued Date: 08/23/2018

Expiration Date: 5/31/2020

Permitted Operations, Uses, Activities, and Conditions:

Permit	Notes
Cryogenic Fluids	6,000 gallon Nitrogen
Hazardous Material in Excess - Gallons 251 - 500	
Flammable and Combustible Liquids - 251 - 500 gallons or less over max allowable quantity	385 gallons
Hot Work – Program	Oxygen and Acetylene
LP Gas – Store, use, handle, dispense, sell	499 gallon tank and 8 gallon cylinders for forklifts
Hazardous Material in Excess - Gallons 251 - 500	Oxidizers Liquid and Solid
Hazardous Material in Excess - Gallons 251 - 500	Corrosive liquids

In accordance with the terms of application on file with the Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on the condition that all applicable sections of the California Fire Code and other related regulations are complied with. This permit does not take place of any license required by law. This permit is not transferable. Any changes in the use or occupancy of premises shall require a new permit.

Issued To:

Tree Island Wire
12459 ARROW RTE Unit A
RANCHO CUCAMONGA, CA 91739

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730
(909) 477-2770 www.RCFire.org

OPERATING PERMIT

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

Permit Number: FIRE2016-00151

Issued Date: 06/21/2016

Expiration Date: 3/1/2018

Permitted Operations, Uses, Activities, and Conditions:

Permit	Notes
Cryogenic Fluids	6,000 gallon Nitrogen
Flammable and Combustible Liquids - 251 - 500 gallons or less over max allowable quantity	385 gallons
Hot Work – Program	Oxygen and Acetylene
LP Gas – Store, use, handle, dispense, sell	499 gallon tank and 8 gallon tanks for forklifts
Hazardous Material in Excess - Gallons 251 - 500	Oxidizers Liquid and Solid
Hazardous Material in Excess - Gallons 251 - 500	Corrosive liquids

In accordance with the terms of application on file with the Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on the condition that all applicable sections of the California Fire Code and other related regulations are complied with. This permit does not take place of any license required by law. This permit is not transferable. Any changes in the use or occupancy of premises shall require a new permit.

Issued To:

Tree Island Wire
12459 ARROW RTE Unit A
RANCHO CUCAMONGA, CA 91739

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
(3) 500-gal, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Motor Oil	**Gallons**	**1500**	**500**	1300		- Health Serious Eye Damage Eye Irritation	VARIOUS LUBRICATING BASE OILS	85%		6474X-XX-X
	CAS No	State: Liquid	Storage Container: Aboveground Tank		Pressue: Ambient	Waste Code: 221		ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	15% 2%		MIXTURE 68649-42-3
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
1000-gal, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6	**Gallons** State Liquid Type Pure	**1000** Storage Container Aboveground Tank Days on Site: 365	**1000**	800 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
225cf & 110cf cylinders, cage, West of Mtce Shop

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State Gas Type Pure	**2010** Storage Container Cylinder Days on Site: 365	**225**	1000 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
275-gal Tote, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	EcoSafe	**Gallons**	**275**	**275**	250			polyether polyol	95%		
	CAS No	State	Storage Container		Pressue	Waste Code		phenothiazine	5%		92842
		Liquid	Tote Bin		Ambient						
		Type			Temperature						
		Mixture	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location **281cf cylinders, cage, West of Mtce Shop**

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen Gas** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**5620** Storage Container Cylinder Days on Site: 365	**281**	3500 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
500-gal, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Hydraulic Fluid CAS No 64742-54-7	**Gallons** State Liquid Type Mixture	**500** Storage Container Aboveground Tank Days on Site: 365	**500**	400 Pressue Ambient Temperature Ambient	Waste Code		Solvent refined, hydrotreated heavy paraffinic distillate 2,6-di-tert-butylphenol	99% 1%		64742-54-7 128-39-2
	Used lubricating oils CAS No 70514-12-4	**Gallons** State Liquid Type Waste	**500** Storage Container Aboveground Tank Days on Site: 365	**500**	450 Pressue Ambient Temperature Ambient	540 Waste Code 221	- Health Carcinogenicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location **50-gal Mobile Refueling Tank, Mtce Shop Area**

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6	**Gallons** State Liquid Type Pure	**50** Storage Container Aboveground Tank Days on Site: 365	**50**	50 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard				
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Gasoline** CAS No 86290-81-5	**Gallons** State Liquid Type Pure	**50** Storage Container Aboveground Tank Days on Site: 365	**50**	45 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
55-gal drum, Mtce Shop Area

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**Used Oil Filters (Drained)**	**Gallons**	**55**	**55**	45			Waste Petroleum Hydrocarbons	100%		Mixture
	CAS No	State: Liquid Type: Mixture	Storage Container: Steel Drum, Plastic/Non-metalic Drum Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code: 223					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
55-gal drums, Mtce Shop Area

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Grease	**Gallons**	**55**	**55**	55						

CAS No

State: Solid
Type: Pure
Storage Container: Steel Drum, Plastic/Non-metalic Drum
Days on Site: 365
Pressue: Ambient
Temperature: Ambient
Waste Code

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
55-gal drums, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	DEF CAS No	**Gallons** State: Liquid Type: Mixture	**220** Storage Container: Steel Drum, Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	water urea	68% 33%		7732185 57136
Combustible Liquid, Class III-B	**Ethylene Glycol** CAS No 107-21-1	**Gallons** State: Liquid Type: Pure	**220** Storage Container: Steel Drum, Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Acute Toxicity - Health Specific Target Organ Toxicity				
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No	**Gallons** State: Liquid Type: Mixture	**220** Storage Container: Steel Drum, Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Temperature:	Waste Code 221		VARIOUS LUBRICATING BASE OILS ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	85% 15% 2%		6474X-XX-X MIXTURE 68649-42-3

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
Bin inside Mtce Shop tool cage area

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 5/12/2020 10:52 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Misc Aerosols** CAS No	**Gallons** State: Liquid Type: Mixture	**50** Storage Container: Other Days on Site: 365	**50**	50 Pressue: > Ambient Temperature: Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Transmission and Distribution Organization (TD)**

Chemical Location

CERS ID **10035409**

Facility Name **SCE Ameron Substation**
12459 Arrow Rte, Rancho Cucamonga 91739

Inside Electrical Equipment

Facility ID **FA0000989**

Status **Submitted** on 2/22/2022 6:38 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	**Mineral Oil**	**Gallons**	**16836**	**3450**	16836		- Health Aspiration Hazard	Severely Hydrotreated Light Naphthenic Petroleum	100%		64742-53-6
	CAS No	State: Liquid	Storage Container: Steel Drum, Other		Pressue: Ambient	Waste Code		Butylated Hydroxy Toluene	0%		128-37-0
Combustible Liquid, Class III-B		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Transmission and Distribution Organization (TD)**

Chemical Location

CERS ID **10034656**

Facility Name **SCE Pipe Substation**
12459 Arrow Rte, Rancho Cucamonga 91739

Inside Electrical Equipment

Facility ID **FA0000434**

Status **Submitted** on 2/21/2023 12:31 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Mineral Oil** CAS No 64742-53-6	**Gallons** State Liquid Type Mixture	**2798** Storage Container Steel Drum, Other Days on Site: 365	**2775**	2798 Pressue Ambient Temperature Ambient	Waste Code	- Health Aspiration Hazard	Severely Hydrotreated Light Naphthenic Petroleum Butylated Hydroxy Toluene	100% 0%		64742-53-6 128-37-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **BTC III Arrow Route CC LP**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Ambient Monitors

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 10/13/2021 1:47 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Propane	**Cu. Feet**	**300**	**100**	300		- Physical Flammable - Physical Gas Under Pressure - Health Acute Toxicity	Propane	100%		74-98-6
	CAS No	State: Gas	Storage Container: Cylinder		Pressue: > Ambient	Waste Code		Ethane	7%		74-84-0
		Type: Mixture	Days on Site: 365		Temperature: Ambient			Propylene	5%		115-07-1
								Butanes	3%		106-97-8

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **BTC III Arrow Route CC LP**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location **Fuel Storage Tanks**

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 10/13/2021 1:47 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Diesel Fuel	**Gallons**	**100**	**10000**	50		- Physical Flammable - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Diesle Fuel	100%		68476-34-6
								Naphthalene	0%		91-20-3
	CAS No	State: Liquid Type: Mixture	Storage Container: Aboveground Tank, Belowground Tank Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code					
	Gasoline	**Gallons**	**500**	**2000**	250		- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Gasoline (benzene)	90%		86290-81-5
								Toluene	15%		108-88-3
								Ethanol	10%		64-17-5
								n-Hexane	2%		110-54-3
								Benzene	1%		71-43-2
	CAS No	State: Liquid Type: Mixture	Storage Container: Belowground Tank Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **BTC III Arrow Route CC LP**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location **Gas Rack**

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 10/13/2021 1:47 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Propane	**Cu. Feet**	**300**	**50**	150		- Physical Flammable - Physical Gas Under Pressure - Health Acute Toxicity	Propane	100%		74-98-6
								Ethane	7%		74-84-0
								Propylene	5%		115-07-1
								Butanes	3%		106-97-8
	CAS No	State: Gas	Storage Container: Cylinder		Pressue: > Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **BTC III Arrow Route CC LP**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location **North West Yard**

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 10/13/2021 1:47 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Surplus Dirt	**Tons**	**320**	**16**	160						
	CAS No	State: Solid	Storage Container: Other		Pressue: Ambient	Waste Code					
		Type: Waste			Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **BTC III Arrow Route CC LP**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location **Transformers**

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 10/13/2021 1:47 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Envirotemp FR3 Transformer Oil** CAS No	**Gallons** State: Liquid Type: Mixture	**882** Storage Container: Other Days on Site: 365	**665**	882 Pressue: Ambient Temperature: Ambient	0 Waste Code		Soybean oil	99%		8001-22-7
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Mineral Oil, Light** CAS No 8020-83-5	**Gallons** State: Liquid Type: Pure	**1983** Storage Container: Other Days on Site: 365	**1080**	1983 Pressue: Ambient Temperature: Ambient	0 Waste Code		hydrotreated distillate, light	99%		64742-53-6
DOT: 3 - Flammable and Combustible Liquids	**Silicone Oil** CAS No 63148-62-9	**Gallons** State: Liquid Type: Pure	**258** Storage Container: Other Days on Site: 365	**258**	258 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Health Hazard Not Otherwise Classified				

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730
(909) 477-2770 www.RCFire.org

Inspection Report

Inspector: Tammie Graciano; **E-Mail:** Tammie.Graciano@CityofRC.us

Inspection Report Number
FIRE2018-00284

Inspection Date
05/31/2018

Business Address
Tree Island Wire
12459 ARROW RTE Unit A
RANCHO CUCAMONGA, CA 91739

Initial Inspection Date
05/31/2018

Corrections Needed

EXITING

Exit door to open without a key or any special knowledge/effort.

1. Exit door in storage container.
2. Remove door latch on exit door - EVG area.

FIRE EXTINGUISHERS

Provide/install fire extinguisher(s) as indicated.

1. Upstairs maintenance and office area.

Service and tag extinguisher.

1. Water treatment enclosure

STORAGE - HOUSEKEEPING

Identify tote with label containing condenser water.

Inspection Comment

Re inspection on or before 7/9/2018.

Orders and Acknowledgements

By order of the Fire Chief, you are hereby required to immediately make the corrections listed in this report or show cause why you should not be required to do so. This report serves an official Notice and Order of the Fire District. Willful failure to comply with this Notice and Order is a misdemeanor. Violations which are not corrected immediately and/or remain after the re-inspection may be processed as a criminal and/or civil offense or administrative citations may be issued.

The Applicant named above hearby applies for an Operation Permit pursuant to Chapter 1, Section 105 of the California Fire Code as amended. The Applicant certifies that permitted operations shall at all times be in accordance with the Fire Code and applicable Fire District Standards and Regulations. The premises where the permitted operations are conducted are subject at all times to inspections to ensure compliance with the conditions of the permit. Issued permits are subject to revocation for cause as allowed by the Fire Code. Approval of this permit application and/or issuance of an Operational Permit does not imply approval of any Zoning, Planning, or Building Code provision, requirement, or regulation.

Fees - Notice of Payment Due

	Fee
Cryogenic Fluids	$330.00
Flammable and Combustible Liquids - 251 - 500 gallons or less over max allowable quantity	$578.00
Hot Work – Program	$165.00
LP Gas – Store, use, handle, dispense, sell	$220.00
Hazardous Material in Excess - Gallons 251 - 500	$578.00
Fee Waived per District Policy	-$1,871.00
Hazardous Material in Excess - Gallons 251 - 500	$578.00
Fee Waived per District Policy	-$578.00
	TOTAL $0.00

Inspector: Tammie Graciano; **E-Mail:** Tammie.Graciano@CityofRC.us

Inspection Report Number
FIRE2018-00284

Inspection Date
05/31/2018

Responsible Party, as an agent for the Business identified herein, acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include Inspection Report Number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807**. Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Drive. Payments are considered past due at 30 days from the date of this report. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating.

The 3rd Tank was not permitted

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ 496.00 First Tank

$ _____ Each Additional Tank

Number of Tanks this Application 1

JOB LOCATION

Tamco Steel Inc Facility Name	Jeff Dambrun Contact Person	(909) 899-0660 5291 Phone No.
12959 Arrow Route Situs Address	Rancho Cucamonga CA City	91739 Zip Code
Rancho Cucamonga Water/Sewer Agency	Rancho Cucamonga Fire Fire	

PROPERTY OWNER

TAMCO INC Name		(909) 899-0660 Phone No.
PO Box 325 Mailing Address	RANCHO CUCAMONGA City	91739 Zip Code
JAMES CROMPTON Owner's Representative		(909) 646-7883 Phone No.

TANK CONTENTS

1-300 gal Diesel Fuel Tank

CONTRACTOR

Company Name Environmental Logistics	Contact Person Dino Rodriguez	Phone No. (909) 721-2318
Mailing Address PO Box 806	City Colton CA	Zip Code 92324
Workman's Comp Insurance Carrier Zurich American Inc	Policy No. WLC55575800	10/28/10
State Contractor's License No. 927360	Types of Licenses A-HAZ	Expiration Date 01/31/11

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

JEFFREY C DAMBRUN Print Name Clearly	(909) 899-0660 x 5291 Phone
Jeff C Dambrun Signature	11-19-10 Date

OFFICE USE ONLY

Under Permit	☐ No ☒ Yes	FA0006582 Facility I.D. Number	496.00 / 60345 Permit Fee Paid THIS Application / Receipt Number
Number of Tanks	2		2355 Check Number
Fees Current	☐ No		11-19-10 Date Paid
	☒ Yes	7-31-2011 Delinquent Amount / Expiration Date	SJ Hlm Taken by
			11.1910-01 / 10166 Log Number / Job Card Number

03-19991-670 Rev. 12/02

This Have (2) Tanks Removed (1) That was not

8271

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
PERMIT

NAME OF BUSINESS: **Environmental Logistics** DATE ISSUED: **11-22-2010**

ADDRESS: **PO Box 806, Colton, CA** PHONE: **909-721-2318**

TO: (Type of permitted use / activity)

Tank Removal (1) 300 Gallon
Start Date: 11-29-10 8:00AM
Finish Date: 12-1-10

AT: (Location of permitted use / activity) **12459 Arrow Rt (Tamco Steel)** Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: **Contact Dino Rodriguez 909-731-2318**

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.This permit shall expire on the last day of the month one year from the application date

Expiration Date: **12-1-2010**

Issued By: **Rob Ball**

Title: **Fire Marshal**

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 3/2008

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive ◆ Rancho Cucamonga, California 9173[illegible] (909) 477-2770

NOTICE OF PAYMENT DUE / APPLICATION FOR PERMIT

3485

NTC # _____ Page ___ of ___

Business Name: TAMCO Steel

Date: 11-18-10

Business Address: 12459 Arrow Rt

Phone: 909-721-2318

Applicant's / Responsible Party's Name: Environmetal Logistics Dino Rodriguez

Address: PO Box 806

Phone: _____

City: Colton

State: Ca Zip: 92324

☐ Inspection Fee(s) Only; Permit Not Required ☐ Permit and Inspection Fees ☐ Permit Fee(s) Only

☐ **The Applicant named above hereby applies for an Operational Permit pursuant to Appendix Chapter 1, Section 105 of the California Fire Code as amended. The Applicant certifies that permitted operations shall at all times be in accordance with the Fire Code and applicable Fire District Standards and Regulations. The premises where the permitted operations are conducted are subject at all times to inspections to ensure compliance with the conditions of the permit. Issued permits are subject to revocation for cause as allowed by the Fire Code. Approval of this permit application and/or issuance of an Operational Permit does not imply approval of any Zoning, Planning, or Building Code provision, requirement, or regulation.**

Permit Code	Inspection and/or Permit Category / Subcategory	Fee
	Tank Removal (1) 300 gal	
	Start Date: 11-29-10 800 AM	
	End Date 12-1-10	
	COPY	
	Total Due	128

☐ Annual Permit ☐ Single Use Permit ☐ Non-Profit Organiztion Fee Reduction Applied ☐ Fee Waived per District Policy

Applicant's Signature _____ **Date** 11/18/10

By signing, Applicant acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include invoice number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order along with the Remittance Copy to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807**. Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Dr. Payments are considered past due at 30 days from the date of the Notice of Payment Due. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating. Approved permits will not be issued until all Fire Code violations have been corrected and permit fees have been paid. Conducting regulated operations without a permit could result in the issuance of an Administrative Citation.

Inspector: Rob Bell (Printed Name) Fire Marshal (Signature) 11-18-10 (Date)

**********FIRE DISTRICT USE ONLY**********

APPLICATION IS: APPROVED ( ) DENIED ( ) Reason for Denial: _____

Date Paid: 11-18-10 Payment Amount: 128 Payment Method: Cash Credit Card Visa Check # _____

Form: FIB 01; Revised Aug 2009

Distribution: White – Fire Administration; Yellow – Remittance Copy; Pink – Applicant's Copy

112518

Rancho Cucamonga Fire District — Fire Safety Division

CONSTRUCTION INSPECTION REPORT

Date 11/18/93 Start Time 1300 End Time _____ Report # 7492

File # _____ Project Name TAMCO

Project Address 12459 ARROW ROUTE

Inspected With (Name) LEONARD ROBINSON Ph 899-0660

Representing (Company) TAMCO

A (No.) _____ Inspection For UST REMOVAL

Resulted in the Following:

(X) No Non Compliance Observed
( ) Corrections Essential as Explained Below
( ) Stop Work per Posted Notice
( ) Will Examine at Next Inspection
( ) Do Not Conceal Until Reinspected
( ) Notice of Violation

NOTE: A COPY OF THIS NOTICE MUST BE READILY AVAILABLE AT THE JOB SITE UNTIL CORRECTIONS HAVE BEEN APPROVED BY THE FIRE INSPECTOR

(2) 50,000 GALLON FUEL OIL TANKS - NO #'S

LEL 0% O_2 20%

DRY ICE @ 15#S/1000 GAL.

HAULED AS HAZARDOUS WASTE BY ERICKSON

X PROVIDE COMPLETE CLOSURE REPORT INCLUDING TANK DESTRUCTION CERTS, MANIFEST, RESULTS OF TESTING, ETC

TANK REMOVALS - UNEVENTFUL/UNREMARKABLE

Call (714) 987-6405 for Re-Inspection When ALL of the Above Items Have Been Corrected

Fire Inspector

FSD 3 (4/90) White-File Canary-Inspector Pink-Referral Goldenrod-Job Site

Tomco

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE

DIVISION OF FIRE SAFETY

NOT TRANSFERABLE

PERMIT

NO 09087

PERMIT GRANTED TO:

NAME OF BUSINESS: J.D. Brodine & Son, Inc.,

ADDRESS: 14879 Whittram Ave, Fontana, CA. 92335 PHONE: 355-5624

TO: (Type of Permitted Use/Activity) Removal 10,000 Gallon underground storage tank of Diesel Fuel.

AT: (Location of Permitted Use/Activity) 12459 Arrow Route, R.C. Rancho Cucamonga, California in accordance with terms of application on file with the Division of Fire Safety and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

Duration of Permit: _____ Indefinite _____ Other (Specify)

This Permit does not take the place of any licence required by law. Any change in the use or occupancy of premises shall require a new permit.

BY: [signature]

TITLE: INSPECTOR

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-8 6/89

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO: Date

Name: [illegible] (Pearson)

Address: [illegible] Arrow Highway, Rancho Cucamonga

To: Store and dispense diesel fuel (280 gallon storage

At: 12459 Arrow Highway, Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: E. Jones

J. E. Longo

Title: Deputy Fire Marshal

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

MAIL TO:
P. O. Box 35
Rancho Cucamonga, CA 91701

ATTENTION:
Joe Longo

FOOTHILL FIRE DISTRICT

TELEPHONE:
(714) 987-2535

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

Date: July 14, 1980

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

(X) STORE
(X) USE
( ) INSTALL
( ) CONDUCT OPERATIONS

IN OR ON THE PREMISES KNOWN AS: TAMCO
12459 Arrow Highway STREET
Etiwanda, CA 91739, CALIFORNIA

BRIEFLY DESCRIBE OPERATION(S) AND/OR TYPE AND AMOUNTS OF STORAGE WHICH, IF LIQUIDS, SHALL INCLUDE CHEMICAL OR BRAND NAMES, FIRE HAZARD RATINGS, FLASH POINT, BOILING POINT AND EXPLOSIVE LIMITS:

Install one 280 gal. diesel fuel tank underground to furnish fuel to the diesel engine - Generator Set.

As per Ameron drawings 4H5-4150 and 4H3-4210.

RECEIVED
JUL 30 1980
FOOTHILL FIRE DISTRICT

( ) IF CHECKED, TWO SETS OF PLANS AND CONSTRUCTION DETAILS SHALL BE SUBMITTED WITH THIS APPLICATION.

THIS APPLICATION IS DENIED ( )
APPROVED (✓)

E. Longo
SIGNED — DEPUTY FIRE MARSHAL
TITLE

DATE 8-18-80

Ameron Steel and Wire Division
Mark Keltner - Construction Engineer
NAME OF APPLICANT - PLEASE PRINT

Mark Keltner
SIGNATURE

TELEPHONE: 714-987-2521

Rev. 4/80

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO: Date _____

Name: _____

Address: _____

To: _____

_____

_____

At: _____ California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions: _____

_____

_____

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: _____

Title: _____

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date: _____

Name: Wheco Steel - Wire Division

Address: 12459 Arrow Highway, Rancho Cucamonga

To: Store and dispense diesel fuel for boiler (fire [illegible])
10,000 gallon capacity underground tank.

At: 12459 Arrow Highway, Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions: _____

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: L. E. Jones

Title: Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

MAIL TO:

P. O. Box 35
Alta Loma, CA 91701

ATTENTION:

INSP. LONGO

FOOTHILL FIRE DISTRICT

(714) 987-1786

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE December 14, 1977

APPLICATION IS HEREBY MADE BY THE UNDERSIGNED FOR A PERMIT TO:

- (x) STORE
- ( ) USE
- ( ) INSTALL
- ( ) CONDUCT OPERATIONS

IN OR ON THE PREMISES KNOWN AS: Ameron Steel and Wire Division

12459 Arrow Highway STREET/AVENUE

Etiwanda, CA 91739, CALIFORNIA

BRIEFLY DESCRIBE THE OPERATION(S) AND/OR TYPE AND AMOUNTS OF STORAGE WHICH, IF LIQUIDS, SHALL INCLUDE CHEMICAL OR BRAND NAMES AND FIRE HAZARD RATINGS, FLASH POINT, BOILING POINT AND EXPLOSIVE LIMITS:

Install one 10,000 gal. diesel fuel tank underground to furnish fuel to a boiler. Location per drawing 7880-323.

(✓) IF CHECKED, TWO SETS OF PLANS AND CONSTRUCTION DETAILS SHALL BE SUBMITTED ALONG WITH THIS APPLICATION.

THIS APPLICATION IS
DENIED ( )
APPROVED ( )

SIGNED TITLE

DATE

Ameron Steel and Wire Division

Mark A. Keltner - Construction Engr

NAME OF APPLICANT - PLEASE PRINT

Mark Keltner

SIGNATURE

Rev. 1/77

NO: 001963

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — FIRE SAFETY DIVISION — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Tamco DATE: 11-23-92

ADDRESS: 12459 Arrow Rancho Cucamonga 91730 PHONE: 987-2521

TO: (Type of Permitted Use/Activity) Conduct storage of LPG tanks 2-30 gallon

AT: (Location of Permitted Use/Activity) 12459 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions:

Expiration Date:

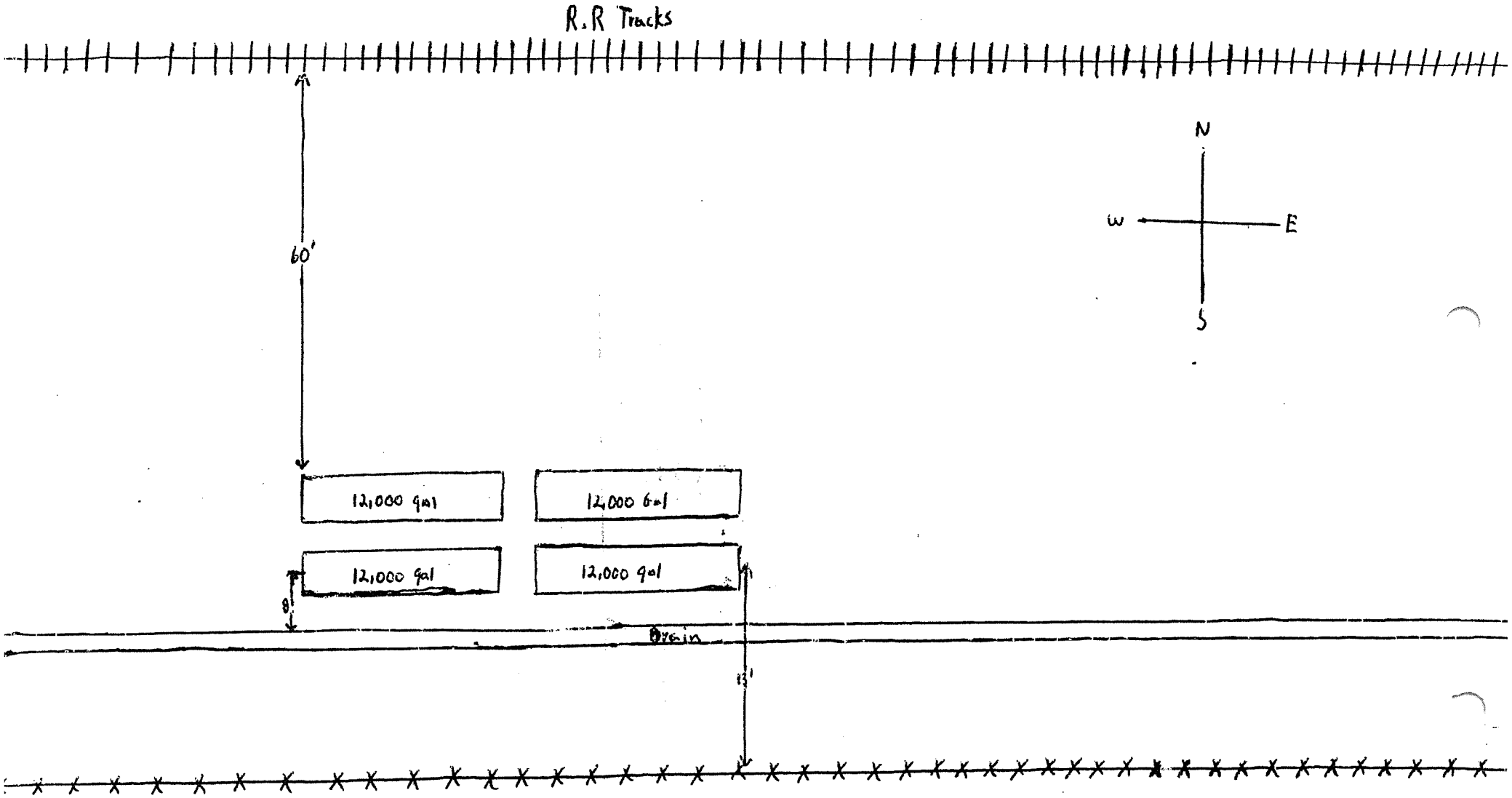
BY:

TITLE: Fire Inspector

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-8 3/92 White - Occupant Yellow - Occ. File Pink - File Box



TAMCO Fuel Oil TANKS
12459-B ARROW ROUTE
Rancho Cucamonga, CA 91739

Registered Environmental Assessor I
DINO RODRIGUEZ
REA I - 07711
Expires: Jun. 30, 2007
STATE OF CALIFORNIA

Rancho Cucamonga Fire Protection Dist.

Fire Safety Division
10500 Civic Center Drive, Rancho Cucamonga, Ca. 91729 (909) 477-2... fax (909)477-2772

Application for Permit to Alter and Install Underground Storage Tanks

NOTE: THIS PERMIT IS ONLY ISSUED TO LICENSED CALIFORNIA CONTRACTORS AND PROPERTY OWNERS.

Date: 4/27/06 Time:

Site Information

Site Address: 12459-B Arrow Hwy Rancho Cucamonga Phone Number: (909) 899-0660 Ext 5294

Name of Business: Tamco Steel Contact Person: mike Perchan

Applicant Information

Company name: Tamco Steel Phone Number: (909) 899-0660 Ext 5294

Address: 12459-B Arrow Hwy Rancho Cucamonga Contact Person: mike Perchan

Contractor Information

Company name: ECI Phone Number: (310) 628-4258

Address: 10680 Silicon Ave montclair, CA Contact Person: Dino Rodriguez

Method of Abandonment

☐ Triple rinsed, certified, inerted and hauled from the site

☐ Hauled as hazardous waste

☐ Triple rinsed, certified, filled with slurry and abandoned in place

Briefly describe the scope of work to be performed and the number of tanks to be removed/ abandoned

4- 12,000 gal Fuel Oil Tanks, Excavate Tanks 2 at a time, Pump and vac Remaining Liquid From Tanks Roll Tanks From Excavation, Inert Tanks and cut Tops of Tanks off, with backhoe Remove Sludge From Tanks Place Into Drums

Applicants Printed Name Dino Rodriguez Phone Number (310) 628-4258

Applicant's Signature _____ Date 4/27/06

********** For Fire District Use Only **********

Approved by: _____ Date:

Date Paid:

Fees Due: _____

FSD Form #8-002B Revised 5/22/03

INSPECTION TICKET

5/8/2006

SITE ADDRESS : ~~12451~~ 12459 ARROW RTE

PERMIT NO. : **PMT2006-02038**

PROJECT DESCRIPTION : **Removal (4) 12,000 gallon Underground fuel/oil tanks for TAMCO**

INSP. AREA : **4**

WORK COVERED : BLD : **N** ELE : **N** MEC : **N** PLM : **N** FIR : **Y**

Owner	Contractor
	ECOLOGY CONTROL INDUSTRIES 10680 SILICON AVENUE MONTCLAIR, CA 91763
Telephone : 310-628-4258	Telephone : 909-625-6645

Requested Inspections	Date	AM/PM	By	Notes
307-Other Inspection (Fire)	5/8/2006	PM	BLK	Tank removal Contact Dino at 310-628-4258

Disposition			Notes
APPR	CANC	DTAG	
FAIL	PASS	STOP	
NRDY	PART	CORR	

Inspection History

Inspection Type	Due Date	Result Code(s)

4 GFC Removal (2) 12000 Gal. Tanks

1. (Friday) 5/5/06 0900 → 1200 O/T 3 hrs.
5 (Wednesday) 5/31/06 - 0900 → 1630 Reg. Time 6 1/2 hrs
2. (Monday) 5/8/06 0900 → 1200 Reg. Time 3 hrs.
3 (Tuesday) 5/9/06 0800 → 0900 Reg. Time 1 hr.
4 (Wednesday) 5/10/06 1000 → 1100 Reg Time 1 hr.

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ _____ First Tank

$ _____ Each Additional Tank Number of Tanks this Application _____

JOB LOCATION

TAMCO	Mike Perchun	909-899-1660 ext. 5244
Facility Name	Contact Person	Phone No.
12459-B Arrow Hwy	Rancho Cucamonga	91739
Situs Address	City	Zip Code
Cucamonga Valley	Rancho Cucamonga	
Water/Sewer Agency	Fire	

PROPERTY OWNER

TAMCO	909-899-1660
Name	Phone No.
P.O Box 335 Rancho Cucamonga	91739
Mailing Address City	Zip Code
A. Brad Wilkins	909-646-7861
Owner's Representative	Phone No.

TANK CONTENTS

Diesel Fuel 1/1 4-12K

CONTRACTOR

Ecology Control Ind	Dino Rodriguez	(310) 628-4258
Company Name	Contact Person	Phone No.
10680 Sierra Ave	Montclair CA	91763
Mailing Address	City	Zip Code

Workman's Comp Insurance Carrier	Policy No.	
WC 5863463-01 Lockton Ins Brokers Inc.		12/9/06
State Contractor's License No. 741611	Types of Licenses A Haz C-2 HIC	Expiration Date 10/31/06

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

A. Brad Wilkins	909-646-7261
Print Name Clearly	Phone
[signature]	3/2/06
Signature	Date

OFFICE USE ONLY

Under Permit ☐ No ☑ Yes — FA 6582 Facility I.D. Number

Number of Tanks 4

Fees Current ☐ No — Delinquent Amount

☑ Yes — Expiration Date

$ 112 Permit Fee Paid THIS Application / 23982 / Receipt Number

Check Number

Date Paid

Taken by

Log Number Job Card Number

03-19991-670 Rev. 12/02

NO: 3923

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE **FIRE SAFETY DIVISION** NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Tamco DATE: 11/4/93

ADDRESS: 12459 Arrow, Rancho Cucamonga 91739 PHONE: 909-899-0660

TO: (Type of Permitted Use/Activity) remove four (~~4~~ 3) 50,000 gallon underground tanks which formerly held fuel oil.

AT: (Location of Permitted Use/Activity) 12459 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: OBTAIN (PERMIT) FOR REMAINING TANKS

Expiration Date: 11/4/93

BY: [signature]

TITLE: Fire Inspector

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

(x) Other (Specify) Underground Storage tank removal

At: Business Name TAMCO

Address 12459 Arrow Rancho Cucamonga, CA 91739

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

~~Fuel Oil cont~~ formerly containing
Removal of 4-50,000 gallon Underground Storage Tanks formerly containing fuel oil

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name Leonard E. Robinson Phone (909) 899-0660

Applicant's Signature in behalf of TAMCO Date

* FOR FIRE AGENCY USE ONLY * * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED ( )
DENIED ( )

(Signature) (Date)

(Title)

FIRE AGENCY REPRESENTATIVE

TELEPHONE

Fee Due $ 460.00 Date Paid 10/25/93

Rev. 3/92

Submit to:
San Bernardino County Department of Environmental Health Services
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

FEE:

$ 416.00 First Tank — Fire Agency Rancho Cucamonga

$ 156.00 Each Additional Tank — Number of Tanks this Application Four

JOB LOCATION

Facility Name or Contact Person — *Phone No.*
TAMCO — (909)899-0660

Situs Address
12459 Arrow Highway

City — *State* — *Zip Code*
Rancho Cucamonga — CA — 91739

OWNER

Name — *Phone No.*
TAMCO — (909)899-0660

Mailing Address
P.O. Box 325

City — *State* — *Zip Code*
Rancho Cucamonga — CA — 91739

CONTRACTOR

Name — *Phone No.*
TAMCO

Mailing Address — *City* — *State* — *Zip Code*

Workman's Comp. No. — *Policy No.*

State Contractor's License No. — *Types* — *Expiration Date*

Water Sewer Agency Cucamonga County Water District
Chino Basin Municipal Water District

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Leonard E. Robinson — *Print Name*
(909) 899-0660 — *Phone Number*
Signature
9/3/93 — *Date*

— *OFFICE USE ONLY* — (02) $884.00

Under Permit ☑ Yes ☐ No
Est. No. 86008874
No. of Tanks 4
Fees Current ☑ Yes ☐ No
Delinquent Amount
Expiration Date 4/30/94

Amount
Check No. 703060
Date Paid 9/7/93
Taken By Mail in
Log No. 091393-01
Job Card Issued No. 3482

03-17445-631 Rev. 3/90

RANCHO CUCAMONGA FIRE DISTRICT
6623 AMETHYST STREET
RANCHO CUCAMONGA, CA 917[illegible]

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR
CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS
DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE 11-13-89

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Use ( ) Install
(X) Other (Specify) REMOVE

At: Business Name: AMERON STEEL & WIRE DIV.

Address: 12459 ARROW ROUTE, RANCHO CUCAMONGA.

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

REMOVAL 10,000 GAL UNDERGROUND STORAGE TANK.
DIESEL FUEL

(Attach separate sheet if necessary)

(X) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name: J. D. BRODINE & SON INC. Phone: 714 355-5624

Applicant's Signature:

* *FOR FIRE AGENCY USE ONLY* * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED (X)
DENIED ( )

11/13/89
Signature Date

Title INSPECTOR

FIRE AGENCY REPRESENTATIVE

TELEPHONE

FEE DUE $ DATE PAID

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date 9-5-89

Name: Ameron Pipe

Address: 12459 Arrow Route, Rancho Cucamonga

To: remove 3 underground tanks - used to store waste oil

At: 12459 Arrow, Rancho Cucamonga California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: Ralph E Crane

Title: FSDS

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date 9-5-89

Name: Ameron Pipe

Address: 12459 Arrow Route, Rancho Cucamonga

To: remove three underground tanks - used to store diesel

At: 12459 Arrow, Rancho Cucamonga California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: Ralph E Crane

Title: FSDS

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

APPLICATION FOR FIRE AGENCY PERMIT

FOOTHILL FIRE DISTRICT

Joe to be out @ 9-8-87 to pay fees prior to that

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: 8-31-87

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

( ) MANUFACTURE
( ) STORE
( ) USE
( ) INSTALL
( ) CONDUCT OPERATIONS
( ) OTHER (Describe) _____

AT: Amaron ~~Stee~~ Pipe
(Name of Business)

12459 Arrow Rte (Address) R.C. 91739 (City)

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide hazardous materials safety data sheets for all substances used or manufactured.

remove 3 u/g tanks
stored waste oil

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance of those regulations or any conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions that are in effect at the time of the inspection. This permit is not approved insofar as Zoning, Planning and/or Building Regulations are concerned.

H.B. Covey Inc. - Joe Flores
Please print applicant's name

714 623-2502
Telephone

Applicant's Signature

FOR FIRE AGENCY USE ONLY

THIS APPLICATION IS: APPROVED (✓) DENIED ( )

Ralph E Cruz 9-3-87
Signature Date

FSD Superv.
Title

FIRE AGENCY REPRESENTATIVE

STREET ADDRESS

CITY TELEPHONE

Fee Due 25.00
Fee Paid
Date Paid

APPLICATION FOR FIRE AGENCY PERMIT

FOOTHILL FIRE DISTRICT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: 8-31-87

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

( ) MANUFACTURE
( ) STORE
( ) USE
( ) INSTALL
( ) CONDUCT OPERATIONS
(X) OTHER (Describe) remove tank

AT: Ameron Pipe
(Name of Business)

12459 Arrow Rte. R.C. 91739
(Address) (City)

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide hazardous materials safety data sheets for all substances used or manufactured.

remove 3 u/g tanks

3 stored diesel
3 stored waste oil

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance of those regulations or any conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions that are in effect at the time of the inspection. This permit is not approved insofar as Zoning, Planning and/or Building Regulations are concerned.

H.B. COVEY INC. - JOE FLORES 714-623-2502
Please print applicant's name Telephone

Joe Flores
Applicant's Signature

FOR FIRE AGENCY USE ONLY

THIS APPLICATION IS: APPROVED (X) DENIED ( )

Ralph E Crane 9-8-87
Signature Date

FSPS
Title

FIRE AGENCY REPRESENTATIVE

STREET ADDRESS

CITY TELEPHONE

Fee Due 25.00
Fee Paid
Date Paid

ARROW ROUTE

EMPLOYEE PARKING

AMERON STEEL & WIRE DIVISION
12459 ARROW ROUTE
RANCHO CUCAMUNGA, CA 91739

AMERON INC
P.O Box 3000
MONTEREY PARK 91754

J. D. BRODINE & SON INC
CONTRACTOR 425319
714 355 5624 ST.LIC #425319
C12-C61/40

ACCESS ROAD

FIRE HYDRANT

PUMP

10,000 GALLON DIESEL TANK

BARREL STORAGE AND CONTAINMENT

BLDG

N

GUARD STATION

MAIL TO:

P. O. Box 35
Alta Loma, CA 91701

ATTENTION:
INSP. LONGO

FOOTHILL FIRE DISTRICT

(714) 987-1786

AMERON STEEL
& WIRE DIVISION

GAH SWO
WLL RJS
DAF APR 27 1979 RTP
RCT BVK
RHJ FEG
DAK TT

RECEIVED

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE April 30, 1979

APPLICATION IS HEREBY MADE BY THE UNDERSIGNED FOR A PERMIT TO:

(x) STORE
(x) USE
( ) INSTALL
( ) CONDUCT OPERATIONS

IN OR ON THE PREMISES KNOWN AS: Tamco

12459 Arrow Highway STREET/AVENUE

Etiwanda, CA 91739, CALIFORNIA

BRIEFLY DESCRIBE THE OPERATION(S) AND/OR TYPE AND AMOUNTS OF STORAGE WHICH, IF LIQUIDS, SHALL INCLUDE CHEMICAL OR BRAND NAMES AND FIRE HAZARD RATINGS, FLASH POINT, BOILING POINT AND EXPLOSIVE LIMITS:

2 - 8000 gal. diesel fuel tanks

1 - 4000 gal. gasoline tank

To be installed per drawing 4H5-3338 & 3339.

(✓) IF CHECKED, TWO SETS OF PLANS AND CONSTRUCTION DETAILS SHALL BE SUBMITTED ALONG WITH THIS APPLICATION. RECEIVED

THIS APPLICATION IS DENIED ( )
APPROVED (✓)

E. Longo Insp.
SIGNED TITLE

DATE 5-1-80 RECEIVED

MAY - 1 1979

FOOTHILL FIRE DISTRICT

Mark A. Keltner
NAME OF APPLICANT - PLEASE PRINT
Construction Engineer

Mark Keltner
SIGNATURE

Rev. 1/77

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 (909) 477-2770 www.RCFire.org

OPERATING PERMIT

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

Permit Number: FIRE2015-00114

Issued Date: MAY 12, 2015 SA
Expiration Date: FEB. 2017

Permitted Operation, Use or Activity:
Cryogenic Fluids, Hot Work – Fixed Site, Industrial Ovens, LP Gas – Store, use, handle, dispense, sell

In accordance with the terms of application on file with the Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on the condition that all applicable sections of the California Fire Code and other related regulations are complied with. This permit does not take place of any license required by law. This permit is not transferable. Any changes in the use or occupancy of premises shall require a new permit.

Special Conditions:
499 Gallon Tank
Oxy Acetylene

Issued To: Tree Island Wire
Location: 12459 ARROW RTE Unit A
RANCHO CUCAMONGA, CA 91739

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive ◆ Rancho Cucamonga, California 91730 ◆ (909) 477-2770

NOTICE OF PAYMENT DUE / APPLICATION FOR PERMIT

$165

6097

(TF Wire)

NTC # 19049 Page ___ of ___

Business Name: TREE ISLAND WIRE

Date: FEBRUARY 26, 2013

Business Address: 12459 ARROW ROUTE. SUITE A.

Phone: 909-957-1394

Applicant's / Responsible Party's Name: ERIC JENSEN

Address: _____

Phone: _____

City: _____

State: _____ Zip: _____

☐ Inspection Fee(s) Only; Permit Not Required ☐ Permit and Inspection Fees ☒ Permit Fee(s) Only

☒ **The Applicant named above hereby applies for an Operational Permit pursuant to Chapter 1, Section 105 of the California Fire Code as amended. The Applicant certifies that permitted operations shall at all times be in accordance with the Fire Code and applicable Fire District Standards and Regulations. The premises where the permitted operations are conducted are subject at all times to inspections to ensure compliance with the conditions of the permit. Issued permits are subject to revocation for cause as allowed by the Fire Code. Approval of this permit application and/or issuance of an Operational Permit does not imply approval of any Zoning, Planning, or Building Code provision, requirement, or regulation.**

Permit Code	Inspection and/or Permit Category / Subcategory	Fee
HM	CORROSIVE 251-500 GALLONS	578.00
CF	CRYOGENIC FLUID 6,000 GALLON NITROGEN	330.00
FL	FLAMMABLE/COMBUSTIBLE LIQUIDS 385 GALLONS	578.00
HM	OXIDIZERS LIQUID AND SOLID.	578.00
HW	HOT WORK. OXY ACETYLENE.	220.00
LPG	PROPANE. 499 GALLON TANK	220.00
	Non Compliance permit not issued	
	expire 2-28-14 **Total Due**	2504.00

☐ Annual Permit ☐ Single Use Permit ☐ Non-Profit Organiztion Fee Reduction Applied ☐ Fee Waived per District Policy

Applicant's Signature MAILED. **Date** _____

By signing, Applicant acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include invoice number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order along with the Remittance Copy to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807**. Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Dr. Payments are considered past due at 30 days from the date of the Notice of Payment Due. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating. Approved permits will not be issued until all Fire Code violations have been corrected and permit fees have been paid. Conducting regulated operations without a permit could result in the issuance of an Administrative Citation.

Inspector: SHANE ADAMS (Printed Name) _____ (Signature) FEBRUARY 26, 2013 (Date)

**********FIRE DISTRICT USE ONLY**********

APPLICATION IS: APPROVED ( ) DENIED ( ) Reason for Denial: _____

Date Paid: 4-9-13 Payment Amount: 2504 Payment Method: Cash Credit Card Check # 110991

Form: FIB 01; Revised Nov 2010

Distribution: White – Fire Administration; Yellow – Remittance Copy; Pink – Applicant's Copy

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TERVITA LLC**
Facility Name **TERVITA LLC**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location

CERS ID **10313566**
Facility ID **FA0014680**
Status **Submitted** on 7/27/2017 2:04 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State: Gas Type: Mixture	**200** Storage Container: Cylinder Days on Site: 365	**200**	Pressue: Ambient Temperature: Ambient	Waste Code	- Fire - Reactive - Pressure Release - Acute Health				
Combustible Liquid, Class III-B	**ANTIFREEZE** CAS No 107-21-1	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Steel Drum Days on Site: 365	**55**	Pressue: Ambient Temperature: Ambient	Waste Code	- Acute Health - Chronic health				
DOT: 3 - Flammable and Combustible Liquids	**ECO SAFE (FIRE RESISTANT HYDRAULIC OIL)** CAS No	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Steel Drum Days on Site: 365	**55**	Pressue: Ambient Temperature: Ambient	Waste Code					
DOT: 4.1 - Flammable Solids	**GENERAL PURPOSE GREASE** CAS No	**Pounds** State: Solid Type: Mixture	**35** Storage Container: Steel Drum Days on Site: 365	**35**	Pressue: Ambient Temperature: Ambient	Waste Code					
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen** CAS No 7782-44-7	**Cu. Feet** State: Gas Type: Pure	**700** Storage Container: Cylinder Days on Site: 365	**700**	Pressue: > Ambient Temperature: Ambient	Waste Code	- Fire - Pressure Release				
DOT: 9 - Misc. Hazardous Materials	**Used Oil Filters (Drained)** CAS No	**Gallons** State: Liquid Type: Waste	**55** Storage Container: Steel Drum Days on Site: 365	**55**	Pressue: Ambient Temperature: Ambient	55 Waste Code: 223		Waste Petroleum Hydrocarbons	100%		Mixture

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TERVITA LLC**
Facility Name **TERVITA LLC**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Outside Storage Area

CERS ID **10313566**
Facility ID **FA0014680**
Status **Submitted** on 7/27/2017 2:04 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No.2** CAS No	**Gallons** State: Liquid Type: Mixture	**1000** Storage Container: Aboveground Tank Days on Site: 365	**1000**	250 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire	Diesel Fuel No.2 Naphthalene Renewable Diesel	95% 0% 5%		68476-34-6 91-20-3
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Mobil Fleet 15W-40** CAS No	**Gallons** State: Liquid Type: Mixture	**250** Storage Container: Aboveground Tank Days on Site: 365	**250**	15 Pressue: Ambient Temperature: Ambient	Waste Code	- Fire	zinc dithophosphate	3%		68649-42-3
DOT: 3 - Flammable and Combustible Liquids	**Mobil Hydraulic 10W** CAS No	**Gallons** State: Liquid Type: Mixture	**250** Storage Container: Aboveground Tank Days on Site: 365	**250**	100 Pressue: Ambient Temperature: Ambient	Waste Code		zinc dithophosphate	3%		68649-42-3
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Waste OIL** CAS No	**Gallons** State: Liquid Type: Waste	**250** Storage Container: Aboveground Tank Days on Site: 365	**250**	10 Pressue: Ambient Temperature: Ambient	750 Waste Code 221	- Fire				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Exterior. East side of main building.

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2 Map: Map #3 Grid: K-8	**Cu. Feet** State Gas Type Pure	**800** Storage Container Cylinder Days on Site: 365	**200**	400 Pressue > Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Hazard Not Otherwise Classified	Acetylene	100%		74-86-2
DOT: 2.2 - Nonflammable Gases Cryogen	**Argon, Liquid** CAS No 7440-37-1 Map: Map #3 Grid: K-9	**Cu. Feet** State Gas Type Pure	**600** Storage Container Cylinder Days on Site: 365	**300**	300 Pressue > Ambient Temperature Cryogenic	0 Waste Code	- Physical Gas Under Pressure - Health Simple Asphyxiant	Argon	100%		7440-37-1
DOT: 2.1 - Flammable Gases Flammable Gas	**Liquefied Petroleum Gas (lpg)** CAS No 74-98-6 Map: Map #3 Grid: L-7	**Cu. Feet** State Gas Type Pure	**400** Storage Container Aboveground Tank Days on Site: 365	**400**	200 Pressue > Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Hazard Not Otherwise Classified	Ethane Propane Propylene Butane	6% 87% 5% 2%		74-84-0 74-98-6 115-07-1 106-97-8
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen** CAS No 7782-44-7 Map: Map #3 Grid: K-9	**Cu. Feet** State Gas Type Pure	**1400** Storage Container Cylinder Days on Site: 365	**200**	800 Pressue > Ambient Temperature Ambient	0 Waste Code	- Physical Gas Under Pressure - Physical Oxidizer	Oxygen	100%		7782-44-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Exterior. North/East side of Main Building

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases Cryogen	**Nitrogen, Liquid** CAS No 7727-37-9 Map: Map #3 Grid: L-6	**Gallons** State Liquid Type Pure	**6000** Storage Container Aboveground Tank Days on Site: 365	**6000**	3000 Pressue > Ambient Temperature Cryogenic	0 Waste Code	- Physical Gas Under Pressure - Physical Explosive - Physical Hazard Not Otherwise Classified - Health Simple Asphyxiant - Health Hazard Not Otherwise Classified	Nitrogen	100%		7727-37-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Exterior. South/West side of main building.

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Calcium Hydroxide Solution** CAS No Map: Map #3 Grid: D-10	**Gallons** State: Liquid Type: Mixture	**3000** Storage Container: Aboveground Tank Days on Site: 365	**3000**	1500 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Health Carcinogenicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Calcium Hydroxide Magnesium Hydroxide Silicone Dioxide Water	25% 3% 1% 71%		1305-62-0 1309-42-8 14808-60-7 7732-18-5
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Water Reactive, Class 2, Toxic, Oxidizing, Class 1	**Sulfuric Acid** CAS No ✔EHS 7664-93-9 Map: Map #3 Grid: C-9	**Pounds** State: Liquid Type: Pure	**15300** Storage Container: Aboveground Tank Days on Site: 365	**15300**	7650 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Hazard Not Otherwise Classified	Sulfuric Acid Water	99% 1%	✔	7664-93-9 7722-64-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
In Building. Chemical Storage Area.

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic	**AA #2 Lime Additive** CAS No Map: Map #3 Grid: D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Steel Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Diethylene Glycol Silicone Antifoam Octyl/decyl alcohols, ethoxylated Water	15% 10% 15% 60%		111-46-6 68603-25-8 7722-64-7
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Bulk Draw 416MX** CAS No Map: Map #3 Grid: C-9, D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Health Carcinogenicity - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Phosphoric Acid Zinc compounds, as Zinc Nickel compounds, as Nickel Nitric Acid Water	7% 13% 1% 10% 69%		7664-38-2 7697-37-2 7732-18-5

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
In Building. Chemical Storage Area.

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Bulk Draw 417RX** CAS No Map: Map #3 Grid: C-9, D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	Phosphoric Acid Zinc compounds, as Zinc Nickel compounds, as Nickel Nitric Acid Water	9% 12% 1% 2% 76%		7664-38-2 7697-37-2 7732-18-5
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Bulk Phos No. 1** CAS No 7664-38-2 Map: Map #3 Grid: D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Phosphoric Acid Water	75% 25%		7664-38-2 7732-18-5
DOT: 9 - Misc. Hazardous Materials Toxic	**L1011-NC Inhibitor** CAS No Map: Map #3 Grid: D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	Diethylthiourea Polyethylenepolyamine Coco Amine Water	5% 15% 5% 75%		105-55-5 68603-67-8 61791-14-8 7732-18-5

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
In Building. Chemical Storage Area.

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-A	**Misti Emulsi Plus** CAS No Map: Map #3 Grid: H-7, D-9, E-9	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Physical Hazard Not Otherwise Classified - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard - Health Hazard Not Otherwise Classified	Mineral Spirits Monocyclic Terpene	90% 10%		64742-88-7 5989-27-5
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Rust Preventative Oil** CAS No 64742-52-5 Map: Map #3 Grid: D-9, E-9, J-11	**Gallons** State Liquid Type Mixture	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	0 Waste Code	- Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Aspiration Hazard	Aliphatic Petroleum Distillate	100%		64742-52-5
DOT: 6.1 - Toxic Substances Toxic	**Sodium Nitrate** CAS No 7632-00-0 Map: Map #3 Grid: D-9, E-9	**Gallons** State Liquid Type Mixture	**55** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	30 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Oxidizer - Health Serious Eye Damage Eye Irritation	Sodium Nitrate Water	32% 68%		7632-00-0 7732-18-5
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Waste Lubricating Oil** CAS No Map: Map #3 Grid: D-9	**Gallons** State Liquid Type Waste	**300** Storage Container Aboveground Tank Days on Site: 365	**300**	150 Pressue Ambient Temperature Ambient	500 Waste Code 221	- Physical Hazard Not Otherwise Classified - Health Aspiration Hazard	Waste lubricating/hydraulic oils	100%		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **Interior. Main Building.**

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Calcium Hydroxide** CAS No 1305-62-0 Map: Map #3 Grid: C-7, J-12	**Pounds** State Solid Type Pure	**2000** Storage Container Bag Days on Site: 365	**50**	1000 Pressue Ambient Temperature Ambient	0 Waste Code	- Health Carcinogenicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Calcium Hydroxide	100%		1305-62-0
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Sodium Hydroxide 0.5-10%** CAS No 1310-73-2 Map: Map #3 Grid: D-9	**Gallons** State Liquid Type Mixture	**30** Storage Container Tank Inside Building Days on Site: 365	**30**	15 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sodium Hydroxide Water	10% 90%		1310-73-2 7732-18-5
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Spent Wire Draw Lube- Calcium and Sodium Based** CAS No Map: Map #3 Grid: Multi, D-9	**Pounds** State Solid Type Waste	**6000** Storage Container Tote Bin Days on Site: 365	**1000**	1000 Pressue Ambient Temperature Ambient	40000 Waste Code 181	- Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Waste Sodium Soap Waste Lime Waste Calcium Hydroxide Waste Calcium Carbonate Iron Oxide	70% 20% 5% 3% 2%		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **Interior. Main Building. Dry Chemical Storage Area.**

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic	**#1 Soap** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**2000** Storage Container: Bag Days on Site: 365	**50**	1000 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sodium stearate	100%		822-16-2
DOT: 9 - Misc. Hazardous Materials Toxic	**Disodium Borate (Borax)** CAS No 12179-04-3 Map: Map #3 Grid: C-7, J-12	**Pounds** State: Solid Type: Pure	**1000** Storage Container: Bag Days on Site: 365	**50**	500 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Health Acute Toxicity - Health Reproductive Toxicity - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Disodium Borax	100%		12179-04-3
DOT: 5.1 - Oxidizing Substances Toxic, Corrosive, Oxidizing, Class 2	**Potassium Permanganate** CAS No 7722-64-7 Map: Map #3 Grid: C-7, J-12	**Pounds** State: Solid Type: Pure	**1320** Storage Container: Steel Drum Days on Site: 365	**330**	660 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Oxidizer - Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Hazard Not Otherwise Classified	Potassium Permanganate	100%		7722-64-7
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Ridoline XP** CAS No Map: Map #3 Grid: C-7, J-12	**Pounds** State: Solid Type: Mixture	**2250** Storage Container: Fiber Drum Days on Site: 365	**450**	1125 Pressue: Ambient Temperature: > Ambient	6000 Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Sodium Hydroxide Sodium Metasilicate	65% 35%		1310-73-2 6834-92-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **Interior. Main Building. Dry Chemical Storage Area.**

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 6.1 - Toxic Substances Toxic, Corrosive	**Sodium tripolyphosphate** CAS No 7758-29-4 Map: Map #3 Grid: J-12	**Pounds** State Solid Type Pure	**1200** Storage Container Fiber Drum Days on Site: 365	**300**	600 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Sodium Tripolyphosphate	100%		7758-29-4
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil Salvia 2** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State Solid Type Mixture	**5280** Storage Container Fiber Drum Days on Site: 365	**330**	2640 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Sodium tetraborate pentahydrate Calcium Hydroxide Nitric Acid Sodium Salt	20% 22% 10%		12179-04-3 1305-62-0 7631-99-4
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TF 120 G** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State Solid Type Mixture	**9000** Storage Container Fiber Drum Days on Site: 365	**450**	4500 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Calcium stearate Hydrated lime	80% 20%		1592-23-0 1305-62-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **Interior. Main Building. Dry Chemical Storage Area.**

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TN 135** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**800** Storage Container: Fiber Drum Days on Site: 365	**400**	400 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Calcium Soap	100%		1305-62-0
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TN 19T2** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**13640** Storage Container: Fiber Drum Days on Site: 365	**310**	6820 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Borates, Tetra, Sodium Salts, Pentahydrate Sodium carbonate Nitric acid sodium salt	10% 10% 3%		12179-04-3 497-19-8 7631-99-4
DOT: 9 - Misc. Hazardous Materials Corrosive	**Vicafil TN 411** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**9000** Storage Container: Fiber Drum Days on Site: 365	**450**	4500 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Stearates Calcium hydroxide Sulfer Molybdenum compounds	40% 40% 10% 10%		Proprietary 1305-62-0 7704-34-9 Proprietary

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location **Interior. Main Building. Dry Chemical Storage Area.**

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TN 6264 X** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**19600** Storage Container: Other Days on Site: 365	**1400**	9800 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Sodium stearate Hydrated lime Calcium stearate	80% 10% 10%		822-16-2 1305-62-0 1592-23-0
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Vicafil TS 350** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**9000** Storage Container: Fiber Drum Days on Site: 365	**450**	4500 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Corrosive To Metal - Physical Hazard Not Otherwise Classified - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Sodium tetraborate pentahydrate	85%		12179-04-3

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Interior. Main Building. Dry Chemical Storage Area.

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Toxic, Corrosive	**Vicafil TS 7112** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**5600** Storage Container: Fiber Drum Days on Site: 365	**400**	2800 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Silicic acid, sodium salt Melamine Sodium Metasilicate Sodium carbonate	20% 10% 10% 10%		1344-09-8 108-78-1 6834-92-0 497-19-8
DOT: 9 - Misc. Hazardous Materials Toxic, Corrosive	**Wire Drawing Compound** CAS No Map: Map #3 Grid: H-13, I-13	**Pounds** State: Solid Type: Mixture	**800** Storage Container: Steel Drum Days on Site: 365	**400**	400 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Hazard Not Otherwise Classified	Mica Graphite Calcium Hydroxide Proprietary (Non-Hazardous)	20% 5% 5% 70%		12001-26-2 7782-42-5 1305-62-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TREE ISLAND WIRE USA, INC.**
Facility Name **TI WIRE**
12459 ARROW RTE, RANCHO CUCAMONGA 91739

Chemical Location
Interior. Main Building. Maintenance Department.

CERS ID **10040527**
Facility ID **FA0003904**
Status **Submitted** on 11/3/2022 10:41 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Hydraulic Oil** CAS No Map: Map #3 Grid: J-8	**Gallons** State: Liquid Type: Mixture	**55** Storage Container: Steel Drum Days on Site: 365	**55**	20 Pressue: Ambient Temperature: Ambient	500 Waste Code: 221	- Physical Hazard Not Otherwise Classified - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	Petroleum Hydrocarbons and additives	100%		

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive, Rancho Cucamonga, CA 91730
(909) 477-2770 www.RCFire.org

OPERATING PERMIT

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

Permit Number: FIRE2022-00729

Issued Date: 10/26/2022

Expiration Date: 9/26/2024

Permitted Operations, Uses, Activities, and Conditions:

Permit	Notes
Hazardous Material in Excess - Gallons 251 - 500	Corrosive liquids
Cryogenic Fluids	6,000 gallon Nitrogen
Flammable and Combustible Liquids - 251 - 500 gallons or less over max allowable quantity	385 gallons
Hazardous Material in Excess - Gallons 251 - 500	Oxidizers Liquid and Solid
Hot Work – Program	Oxygen and Acetylene
LP Gas – Store, use, handle, dispense, sell	499 gallon tank and 8 gallon cylinders for forklifts
Hazardous Material in Excess - Gallons 251 - 500	

In accordance with the terms of application on file with the Prevention Bureau and subject to the provisions of the California Fire Code and other regulations of the Fire District. This permit is issued and accepted on the condition that all applicable sections of the California Fire Code and other related regulations are complied with. This permit does not take place of any license required by law. This permit is not transferable. Any changes in the use or occupancy of premises shall require a new permit.

Issued To:

Tree Island Wire
12459 ARROW RTE Unit A
RANCHO CUCAMONGA, CA 91739

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Ambient Monitoring

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Propane	**Gallons**	**300**	**100**	300		- Physical Flammable - Physical Gas Under Pressure - Health Acute Toxicity	Propane	100 %		74-98-6
	CAS No	State: Gas	Storage Container: Cylinder		Pressue: > Ambient	Waste Code		Ethane	7 %		74-84-0
		Type: Mixture	Days on Site: 365		Temperature: Ambient			Propylene	5 %		115-07-1
								Butanes	3 %		106-97-8

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Compressed Gases

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Propane	**Cu. Feet**	**300**	**50**	150		- Physical Flammable	Propane	100 %		74-98-6
	CAS No	State	Storage Container		Pressue	Waste Code	- Physical Gas Under Pressure	Ethane	7 %		74-84-0
		Gas	Aboveground Tank, Steel Drum		> Ambient		- Health Acute Toxicity	Propylene	5 %		115-07-1
		Type			Temperature			Butanes	3 %		106-97-8
		Mixture	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Cooling Tower

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Bleach CAS No	**Gallons** State: Liquid Type: Mixture	**500** Storage Container: Aboveground Tank Days on Site: 365	**500**	300 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sodium Hypochlorite Sodium Hydroxide	7 % 1 %		7681-52-9 1310-73-2
	Sulfuric Acid CAS No	**Gallons** State: Liquid Type: Mixture	**400** Storage Container: Aboveground Tank Days on Site: 365	**400**	200 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity	Sulfuric Acid Water	98 % 2 %		7664-93-9 7732-18-5

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Finishing End

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Paint	**Gallons**	**55**	**55**	25	1100	- Physical Flammable - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation				
	CAS No	State: Liquid Type: Waste	Storage Container: Steel Drum Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code: 331					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Fuel Storage Tanks

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Quantities Largest Cont.	Quantities Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Diesel Fuel	**Gallons**	**100**	**10000**	50		- Physical Flammable - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Aspiration Hazard	Diesle Fuel	100 %		68476-34-6
	CAS No	State: Liquid	Storage Container: Aboveground Tank, Belowground Tank		Pressue: Ambient	Waste Code		Naphthalene	0 %		91-20-3
		Type: Mixture	Days on Site: 365		Temperature: Ambient						
	Gasoline	**Gallons**	**500**	**2000**	250		- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard	Gasoline (benzene)	90 %		86290-81-5
	CAS No	State: Liquid	Storage Container: Belowground Tank		Pressue: Ambient	Waste Code		Toluene	15 %		108-88-3
		Type: Mixture	Days on Site: 365		Temperature: Ambient			Ethanol	10 %		64-17-5
								n-Hexane	2 %		110-54-3
								Benzene	1 %		71-43-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Melt Shop

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Propane	**Cu. Feet**	**300**	**50**	150		- Physical	Propane	100 %		74-98-6
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable	Ethane	7 %		74-84-0
		Gas	Cylinder		> Ambient		- Physical Gas	Propylene	5 %		115-07-1
		Type			Temperature		Under Pressure	Butanes	3 %		106-97-8
		Mixture	Days on Site: 365		Ambient		- Health Acute Toxicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Mobile Maintenance

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Lead Acid Batteries** CAS No	**Gallons** State: Liquid Type: Mixture	**2** Storage Container: Other Days on Site: 365	**1**	1 Pressue: Ambient Temperature: Ambient	Waste Code: 792	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sulfuric Acid	40 %	✓	7664-93-9
	Waste Paint CAS No	**Gallons** State: Liquid Type: Waste	**55** Storage Container: Steel Drum Days on Site: 365	**55**	25 Pressue: Ambient Temperature: Ambient	1100 Waste Code: 331	- Physical Flammable - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Mobile Maintenance North

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Hydraulic Oil	**Gallons**	**55**	**55**	55						
	CAS No	State: Liquid	Storage Container: Tote Bin		Pressue: Ambient	Waste Code					
		Type: Pure	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Mobile Maintenance South

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Lubricating Oil	**Gallons**	**220**	**55**	220						

CAS No

State	Storage Container	Pressue	Waste Code
Liquid	Aboveground Tank, Steel Drum	Ambient	

Type		Temperature
Pure	Days on Site: 365	Ambient

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Refractory

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Americlase HC CAS No	**Pounds** State: Solid Type: Pure	**4000** Storage Container: Bag Days on Site: 365	**4000**	2000 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Carcinogenicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Magnesium Oxide Calcium Oxide Diiron Trioxide Amorphous Silica Quartz	80 % 40 % 10 % 3 % 3 %		1309-48-4 1305-78-8 1309-37-1 7631-86-9 14808-60-7
	ARCO 50 HS CAS No	**Pounds** State: Solid Type: Pure	**4000** Storage Container: Bag Days on Site: 365	**4000**	2000 Pressue: Ambient Temperature: Ambient	Waste Code		Mullite Amorphous Silica Cristobalite Aluminum Oxide	80 % 40 % 25 % 3 %		1302-93-8 7631-86-9 14464-46-1 1344-28-1
Toxic	**Basic 187 GM-93** CAS No	**Pounds** State: Solid Type: Mixture	**40000** Storage Container: Bag Days on Site: 365	**4000**	40000 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	magnesium oxide sulphamic acid crystalline silica (quartz)	100 % 3 % 1 %		1309-48-4 5329-14-6 14808-60-7
	ISOTAP/TAP-332 CAS No	**Pounds** State: Solid Type: Mixture	**30000** Storage Container: Other Days on Site: 365	**1500**	30000 Pressue: Ambient Temperature: Ambient	Waste Code		Magnesium Oxide Graphite Aluminium Calcium Oxide Silicon	80 % 20 % 10 % 3 % 3 %		1309-48-4 7782-42-5 7429-90-5 1305-78-8 7440-21-3
	NC-Cast Maxima PC CAS No	**Pounds** State: Solid Type: Mixture	**30000** Storage Container: Bag Days on Site: 365	**670**	28140 Pressue: Ambient Temperature: Ambient	Waste Code		Aluminium Oxide (Non-Fibrous) Magnesium Oxide	90 % 10 %		1344-28-1 1309-48-4
	NC-Cast Optima PC CAS No	**Pounds** State: Solid Type: Mixture	**48000** Storage Container: Bag Days on Site: 365	**4000**	48000 Pressue: Ambient Temperature: Ambient	Waste Code					
	Nozzle Set 90P CAS No	**Pounds** State: Solid Type: Pure	**4000** Storage Container: Can Days on Site: 365	**50**	2000 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Carcinogenicity - Health Specific Target Organ Toxicity	Aluminum Oxide (Non-Fibrous) Aluminum Sulphate Kaolin Quartz Titanium Dioxide	80 % 5 % 3 % 3 % 1 %		1344-28-1 10043-01-3 1332-58-7 14808-60-7 13463-67-7

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Rolling Mill

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Hydrocarbon Contaminated Soil and Debris CAS No	**Tons** State: Solid Type: Waste	**20** Storage Container: Other Days on Site: 365	**20**	10 Pressue: Ambient Temperature: Ambient	200 Waste Code: 611					
	Waste Paint CAS No	**Gallons** State: Liquid Type: Waste	**55** Storage Container: Steel Drum Days on Site: 365	**55**	25 Pressue: Ambient Temperature: Ambient	1100 Waste Code: 331	- Physical Flammable - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
Rolling Mill Maintenance

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen** CAS No 7782-44-7	**Cu. Feet** State: Gas Type: Pure	**500** Storage Container: Cylinder Days on Site: 365	**250**	250 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation				
DOT: 2.1 - Flammable Gases Flammable Gas, Unstable (Reactive), Class 1	**Propylene** CAS No 115-07-1	**Pounds** State: Gas Type: Pure	**190** Storage Container: Cylinder Days on Site: 365	**95**	95 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Acute Toxicity				
	Waste Paint CAS No	**Gallons** State: Liquid Type: Waste	**55** Storage Container: Steel Drum Days on Site: 365	**55**	25 Pressue: Ambient Temperature: Ambient	1100 Waste Code: 331	- Physical Flammable - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **TAMCO**
Facility Name **TAMCO**
12459 ARROW RTE STE B, RANCHO CUCAMONGA 91739

Chemical Location
South Oil Storage

CERS ID **10152245**
Facility ID **FA0006582**
Status **Submitted** on 2/25/2021 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS CAS No.
	Mobilgrease HTR CAS No	**Pounds**	**220**	**55**	220	Waste Code	- Physical Flammable - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	Asphalt (petroleum) Zinc Dialky Dithiophosphate	20 % 3 %	8052-42-4 68457-79-4
		State: Solid Type: Mixture	Storage Container: Steel Drum, Tote Bin Days on Site: 365		Pressue: Ambient Temperature: Ambient					
	Waste Oil CAS No	**Gallons**	**1100**	**275**	825	5200 Waste Code 221	- Physical Flammable - Health Acute Toxicity - Health Serious Eye Damage Eye Irritation			
		State: Liquid Type: Waste	Storage Container: Aboveground Tank Days on Site: 365		Pressue: Ambient Temperature: Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
(3) 500-gal, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Motor Oil	**Gallons**	**1500**	**500**	1300		- Health Serious	VARIOUS LUBRICATING BASE OILS	85 %		6474X-XX-X
	CAS No	State: Liquid	Storage Container: Aboveground Tank		Pressue: Ambient	Waste Code: 221	Eye Damage Eye Irritation	ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	15 % 2 %		MIXTURE 68649-42-3
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
1000-gal, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6	**Gallons** State Liquid Type Pure	**1000** Storage Container Aboveground Tank Days on Site: 365	**1000**	800 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
225cf & 110cf cylinders, cage, West of Mtce Shop

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State Gas Type Pure	**2010** Storage Container Cylinder Days on Site: 365	**225**	1000 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
275-gal Tote, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	EcoSafe	**Gallons**	**275**	**275**	250			polyether polyol	95 %		
	CAS No	State	Storage Container		Pressue	Waste Code		phenothiazine	5 %		92842
		Liquid	Tote Bin		Ambient						
		Type			Temperature						
		Mixture	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
281cf cylinders, cage, West of Mtce Shop

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen Gas** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**5620** Storage Container Cylinder Days on Site: 365	**281**	3500 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
500-gal, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Hydraulic Fluid CAS No 64742-54-7	**Gallons** State Liquid Type Mixture	**500** Storage Container Aboveground Tank Days on Site: 365	**500**	400 Pressue Ambient Temperature Ambient	Waste Code		Solvent refined, hydrotreated heavy paraffinic distillate 2,6-di-tert-butylphenol	99 % 1 %		64742-54-7 128-39-2
	Used lubricating oils CAS No 70514-12-4	**Gallons** State Liquid Type Waste	**500** Storage Container Aboveground Tank Days on Site: 365	**500**	450 Pressue Ambient Temperature Ambient	540 Waste Code 221	- Health Carcinogenicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
50-gal Mobile Refueling Tank, Mtce Shop Area

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6	**Gallons** State Liquid Type Pure	**50** Storage Container Aboveground Tank Days on Site: 365	**50**	50 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard				
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Gasoline** CAS No 86290-81-5	**Gallons** State Liquid Type Pure	**50** Storage Container Aboveground Tank Days on Site: 365	**50**	45 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
55-gal drum, Mtce Shop Area

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**Used Oil Filters (Drained)**	**Gallons**	**55**	**55**	45			Waste Petroleum Hydrocarbons	100 %		Mixture

CAS No

State: Liquid
Type: Mixture
Storage Container: Steel Drum, Plastic/Non-metalic Drum
Days on Site: 365
Pressue: Ambient
Temperature: Ambient
Waste Code: 223

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
55-gal drums, Mtce Shop Area

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Grease	**Gallons**	**55**	**55**	55						
	CAS No	State: Solid	Storage Container: Steel Drum, Plastic/Non-metalic Drum		Pressue: Ambient	Waste Code					
		Type: Pure	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
55-gal drums, West of Mtce Shop, outdoors

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	DEF CAS No	**Gallons** State: Liquid Type: Mixture	**220** Storage Container: Steel Drum, Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	water urea	68 % 33 %		7732185 57136
Combustible Liquid, Class III-B	**Ethylene Glycol** CAS No 107-21-1	**Gallons** State: Liquid Type: Pure	**220** Storage Container: Steel Drum, Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Acute Toxicity - Health Specific Target Organ Toxicity				
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No	**Gallons** State: Liquid Type: Mixture	**220** Storage Container: Steel Drum, Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue: Temperature:	Waste Code 221		VARIOUS LUBRICATING BASE OILS ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	85 % 15 % 2 %		6474X-XX-X MIXTURE 68649-42-3

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Phoenix Services LLC**
Facility Name **Phoenix Services LLC**
12459-B Arrow Route, Rancho Cucamonga 91739

Chemical Location
Bin inside Mtce Shop tool cage area

CERS ID **10755790**
Facility ID **FA0018035**
Status **Submitted** on 2/28/2021 11:26 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Misc Aerosols** CAS No	**Gallons** State: Liquid Type: Mixture	**50** Storage Container: Other Days on Site: 365	**50**	50 Pressue: > Ambient Temperature: Ambient	Waste Code					

The 3rd Tank was not permitted

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ 496.00 First Tank

$ _____ Each Additional Tank Number of Tanks this Application 1

JOB LOCATION

Tamco Steel Inc	Jeff Dambrun	(909) 899-0660 5291
Facility Name	Contact Person	Phone No.
12459 Arrow Route	Rancho Cucamonga CA	91739
Situs Address	City	Zip Code
Rancho Cucamonga	Rancho Cucamonga Fire	
Water/Sewer Agency	Fire	

PROPERTY OWNER

Tamco Inc		(909) 899-0660
Name		Phone No.
PO Box 325	Rancho Cucamonga	91739
Mailing Address	City	Zip Code
James Crompton		(909) 646-7883
Owner's Representative		Phone No.

TANK CONTENTS

1-300 gal Diesel Fuel Tank

CONTRACTOR

Company Name	Contact Person	Phone No.
Environmental Logistics	Dino Rodriguez	(909) 721-2318
Mailing Address	City	Zip Code
PO Box 806	Colton CA	92324
Workman's Comp Insurance Carrier	Policy No.	
Zurich American Inc	WLC655575800	10/28/10
State Contractor's License No. 927360	Types of Licenses A-HAZ	Expiration Date 01/31/11

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Jeffrey C Dambrun	(909) 899-0660 x 5291
Print Name Clearly	Phone
Jeffrey C Dambrun	11-19-10
Signature	Date

OFFICE USE ONLY

Under Permit ☐ No ☒ Yes Facility I.D. Number 6582

Number of Tanks 2

Fees Current ☐ No Delinquent Amount _____

☒ Yes Expiration Date 7-31-2011

496.00 / 60345
Permit Fee Paid THIS Application / Receipt Number

Check Number 2355

Date Paid 11-19-10

Taken by LL 10-01 Log Number 10166 Job Card Number

03-19991-670 Rev. 12/02

This Note (2) Tanks Removed (1) That was not

8271

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU

PERMIT

NAME OF BUSINESS: Environmental Logistics DATE ISSUED: 11-22-2010

ADDRESS: PO Box 806, Colton, CA PHONE: 909-721-2318

TO: (Type of permitted use / activity)

Tank Removal (1) 300 Gallon
Start Date: 11-29-10 8:00AM
Finish Date: 12-1-10

AT: (Location of permitted use / activity) 12459 Arrow Rt (Tamco Steel) Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other regulations of the Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: Contact Dino Rodriguez 909-731-2318

This permit does not take place of any license required by law. This permit is not transferable. Any change in the use or occupancy of premises shall require a new permit.This permit shall expire on the last day of the month one year from the application date

Expiration Date: 12-1-2010

Issued By: Rob Ball

Title: Fire Marshal

THIS PERMIT SHALL BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD - 9 3/2008

Rancho Cucamonga Fire Protection District

10500 Civic Center Drive • Rancho Cucamonga, California 9173[illegible] (909) 477-2770

NOTICE OF PAYMENT DUE / APPLICATION FOR PERMIT

D/65
3485

NTC # _____ Page ___ of ___

Business Name: TAMCO Steel
Date: 11-18-10
Business Address: 12459 Arrow Rt
Phone: 909-721-2318
Applicant's / Responsible Party's Name: Environmetal Logistics Dino Rodriguez
Address: PO Box 806
Phone: _____
City: Colton
State: Ca Zip: 92324

☐ Inspection Fee(s) Only; Permit Not Required ☐ Permit and Inspection Fees ☐ Permit Fee(s) Only

☐ The Applicant named above hereby applies for an Operational Permit pursuant to Appendix Chapter 1, Section 105 of the California Fire Code as amended. The Applicant certifies that permitted operations shall at all times be in accordance with the Fire Code and applicable Fire District Standards and Regulations. The premises where the permitted operations are conducted are subject at all times to inspections to ensure compliance with the conditions of the permit. Issued permits are subject to revocation for cause as allowed by the Fire Code. Approval of this permit application and/or issuance of an Operational Permit does not imply approval of any Zoning, Planning, or Building Code provision, requirement, or regulation.

Permit Code	Inspection and/or Permit Category / Subcategory	Fee
	Tank Removal (1) 300 gal	
	Start Date: 11-29-10 800 AM	
	End Date 12-1-10	
	COPY	
	Total Due	128

☐ Annual Permit ☐ Single Use Permit ☐ Non-Profit Organiztion Fee Reduction Applied ☐ Fee Waived per District Policy

Applicant's Signature _____ Date 11/18/10

By signing, Applicant acknowledges receiving this Notice of Payment Due issued pursuant to the current Permit Fee Resolution of the Rancho Cucamonga Fire Protection District. To pay this bill by mail, make a check or money order for the Total Due payable to Rancho Cucamonga Fire District. Do not send cash. Please include invoice number shown above on your check or money order. Your cancelled check serves as your receipt. Send check or money order along with the Remittance Copy to **Rancho Cucamonga Fire District, PO Box 807, Rancho Cucamonga, CA 91729-0807.** Fees can be paid with cash, Visa, or MasterCard at Rancho Cucamonga City Hall, 10500 Civic Center Dr. Payments are considered past due at 30 days from the date of the Notice of Payment Due. If payment is not received within 60 days, the Notice of Payment Due will be sent out for collection. Collection efforts may adversely affect your credit rating. Approved permits will not be issued until all Fire Code violations have been corrected and permit fees have been paid. Conducting regulated operations without a permit could result in the issuance of an Administrative Citation.

Inspector: Rob Bell (Printed Name) Fire Marshal (Signature) 11-18-10 (Date)

**********FIRE DISTRICT USE ONLY**********

APPLICATION IS: APPROVED ( ) DENIED ( ) Reason for Denial: _____

Date Paid: 11-18-10 Payment Amount: 128 Payment Method: Cash Credit Card Visa Check # _____

Form: FIB 01; Revised Aug 2009

Distribution: White – Fire Administration; Yellow – Remittance Copy; Pink – Applicant's Copy

112518

Rancho Cucamonga Fire District — Fire Safety Division

CONSTRUCTION INSPECTION REPORT

Date 11/18/93 Start Time 1300 End Time _____ Report # 7492

File # _____ Project Name TAMCO

Project Address 10459 ARROW ROUTE

Inspected With (Name) LEONARD ROBINSON Ph 899-0660

Representing (Company) TAMCO

A (No.) _____ Inspection For UST REMOVAL

Resulted in the Following:

(X) No Non Compliance Observed
( ) Corrections Essential as Explained Below
( ) Stop Work per Posted Notice
( ) Will Examine at Next Inspection
( ) Do Not Conceal Until Reinspected
( ) Notice of Violation

NOTE: A COPY OF THIS NOTICE MUST BE READILY AVAILABLE AT THE JOB SITE UNTIL CORRECTIONS HAVE BEEN APPROVED BY THE FIRE INSPECTOR

(2) 5C,000 GALLON FUEL OIL TANKS - NO #'S

LEL 0% O_2 20%

DRY ICED @ 15LB/1000 GAL.

HAULED AS HAZARDOUS WASTE BY ERICKSON

X PROVIDE COMPLETE CLOSURE REPORT INCLUDING TANK DESTRUCTION CERTS, MANIFEST, RESULTS OF TESTING ETC

TANK REMOVALS - UNEVENTFUL/UNREMARKABLE

Call (714) 987-6405 for Re-Inspection When ALL of the Above Items Have Been Corrected

Fire Inspector

FSD 3 (4/90) White-File Canary-Inspector Pink-Referral Goldenrod-Job Site

Tomco

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NO 00287

NOT TRANSFERABLE

DIVISION OF FIRE SAFETY

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: J.D. Brodine & Son, Inc.,

ADDRESS: 14879 Whittram Ave, Fontana, CA. 92335 PHONE: 355-5624

TO: (Type of Permitted Use/Activity) Removal 10,000 Gallon underground storage tank of Diesel Fuel.

AT: (Location of Permitted Use/Activity) 12459 Arrow Route, R.C. Rancho Cucamonga, California in accordance with terms of application on file with the Division of Fire Safety and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

Duration of Permit: _____ Indefinite _____ Other (Specify)

This Permit does not take the place of any licence required by law. Any change in the use or occupancy of premises shall require a new permit.

BY: [signature]

TITLE: INSPECTOR

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-8 6/89

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO: Date

Name: (illegible)

Address: (illegible)

To: Store and dispense diesel fuel (280 gallon tank)

At: 12459 Arrow Highway, Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: E. J. Long
J. A. Longo

Title: Deputy Fire Marshal

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

MAIL TO:
P. O. Box 35
Rancho Cucamonga, CA 91701

ATTENTION:
Joe Longo

FOOTHILL FIRE DISTRICT

TELEPHONE:
(714) 987-2535

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

Date: July 14, 1980

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

(X) STORE
(X) USE
( ) INSTALL
( ) CONDUCT OPERATIONS

IN OR ON THE PREMISES KNOWN AS: TAMCO
12459 Arrow Highway STREET
Etiwanda, CA 91739, CALIFORNIA

BRIEFLY DESCRIBE OPERATION(S) AND/OR TYPE AND AMOUNTS OF STORAGE WHICH, IF LIQUIDS, SHALL INCLUDE CHEMICAL OR BRAND NAMES, FIRE HAZARD RATINGS, FLASH POINT, BOILING POINT AND EXPLOSIVE LIMITS:

Install one 280 gal. diesel fuel tank underground to furnish fuel to the diesel engine - Generator Set.

As per Ameron drawings 4H5-4150 and 4H3-4210.

RECEIVED
JUL 30 1980
FOOTHILL FIRE DISTRICT

( ) IF CHECKED, TWO SETS OF PLANS AND CONSTRUCTION DETAILS SHALL BE SUBMITTED WITH THIS APPLICATION.

THIS APPLICATION IS DENIED ( )
APPROVED (✓)

Ed Longo
SIGNED — DEPUTY FIRE MARSHAL
TITLE

DATE 8-18-80

Ameron Steel and Wire Division
Mark Keltner - Construction Engineer
NAME OF APPLICANT - PLEASE PRINT

Mark Keltner
SIGNATURE

TELEPHONE: 714-987-2521

Rev. 4/80

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO: Date

Name: Kaiser Steel Fire Division

Address: 12459 Arrow Highway, Rancho Cucamonga

To: Store and dispense diesel fuel for boiler fire unit

10,000 gallon capacity underground tank.

At: 12459 Arrow Highway, Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: L. E. Davis

Title: Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

REVISED 11/77

MAIL TO:
P. O. Box 35
Alta Loma, CA 91701

ATTENTION:
INSP. LONGO

FOOTHILL FIRE DISTRICT

(714) 987-1786

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE December 14, 1977

APPLICATION IS HEREBY MADE BY THE UNDERSIGNED FOR A PERMIT TO:

(X) STORE
( ) USE
( ) INSTALL
( ) CONDUCT OPERATIONS

IN OR ON THE PREMISES KNOWN AS: Ameron Steel and Wire Division

12459 Arrow Highway STREET/AVENUE

Etiwanda, CA 91739, CALIFORNIA

BRIEFLY DESCRIBE THE OPERATION(S) AND/OR TYPE AND AMOUNTS OF STORAGE WHICH, IF LIQUIDS, SHALL INCLUDE CHEMICAL OR BRAND NAMES AND FIRE HAZARD RATINGS, FLASH POINT, BOILING POINT AND EXPLOSIVE LIMITS:

Install one 10,000 gal. diesel fuel tank underground to furnish fuel to a boiler. Location per drawing 7880-323.

(✓) IF CHECKED, TWO SETS OF PLANS AND CONSTRUCTION DETAILS SHALL BE SUBMITTED ALONG WITH THIS APPLICATION.

THIS APPLICATION IS DENIED ( )
APPROVED ( )

SIGNED TITLE

DATE

Ameron Steel and Wire Division

Mark A. Keltner - Construction Engr

NAME OF APPLICANT - PLEASE PRINT

Mark Keltner

SIGNATURE

Rev. 1/77

NO: 001963

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — FIRE SAFETY DIVISION — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Tamco DATE: 11-23-92

ADDRESS: 12459 Arrow Rancho Cucamonga 91730 PHONE: 987-2521

TO: (Type of Permitted Use/Activity) Conduct storage of LPG tanks
2-30 gallon

AT: (Location of Permitted Use/Activity) 12459 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

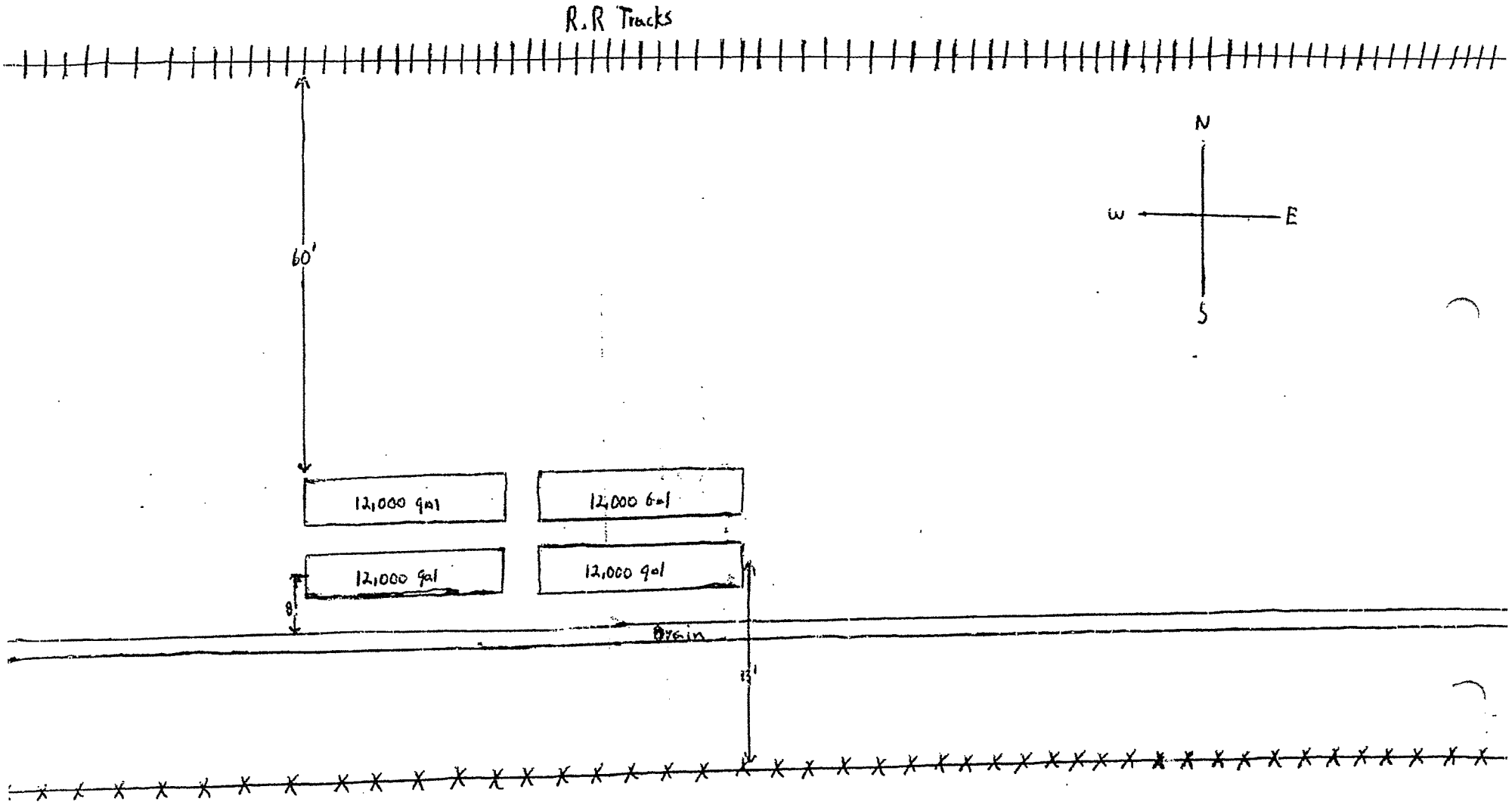
Expiration Date:

BY:

TITLE: Fire Inspector

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-8 3/92 White - Occupant Yellow - Occ. File Pink - File Box



TAMCO Fuel Oil TANKS
12459-B ARROW Route
Rancho Cucamonga, CA 91739

Registered Environmental Assessor I
DINO RODRIGUEZ
REA I - 07711
Expires: Jun. 30, 2007
STATE OF CALIFORNIA

Rancho Cucamonga Fire Protection Dist

Fire Safety Division
10500 Civic Center Drive, Rancho Cucamonga, Ca. 91729 (909) 477-2[illegible] fax (909)477-2772

Application for Permit to Alter and Install Underground Storage Tanks

NOTE: THIS PERMIT IS ONLY ISSUED TO LICENSED CALIFORNIA CONTRACTORS AND PROPERTY OWNERS.

Date: 4/27/06 Time:

Site Information

Site Address: 12459-b Arrow Hwy Rancho Cucamonga Phone Number: (909) 899-0660 Ext 5294

Name of Business: Tamco Steel Contact Person: mike Perchan

Applicant Information

Company name: Tamco Steel Phone Number: (909) 899-0660 Ext 5294

Address: 12459-b Arrow Hwy Rancho Cucamonga Contact Person: mike Perchan

Contractor Information

Company name: ECI Phone Number: (310) 628-4258

Address: 10680 Silicon Ave montclair, CA Contact Person: Dino Rodriguez

Method of Abandonment

☐ Triple rinsed, certified, inerted and hauled from the site

☐ Hauled as hazardous waste

☐ Triple rinsed, certified, filled with slurry and abandoned in place

Briefly describe the scope of work to be performed and the number of tanks to be removed/ abandoned

4- 12,000 gal Fuel oil Tanks, Excavate Tanks 2 at a time, Pump and vac Remaining Liquid From Tanks Roll Tanks From Excavations, Inert Tanks and cut Tops of Tanks off, with Backhoe Remove Sludge From Tanks Place Into Dumpster

Applicants Printed Name Dino Rodriguez Phone Number (310) 628-4258

Applicant's Signature _____ Date 4/27/06

********** For Fire District Use Only **********

Approved by: _____ Date:

Fees Due: _____ Date Paid:

FSD Form #8-002B Revised 5/22/03

INSPECTION TICKET

5/8/2006

12459

SITE ADDRESS : ~~12451~~ ARROW RTE

PERMIT NO. : PMT2006-02038

PROJECT DESCRIPTION : Removal (4) 12,000 gallon Underground fuel/oil tanks for TAMCO

INSP. AREA : 4

WORK COVERED : BLD : N ELE : N MEC : N PLM : N FIR : Y

Owner	Contractor
	ECOLOGY CONTROL INDUSTRIES 10680 SILICON AVENUE MONTCLAIR, CA 91763
Telephone : 310-628-4258	Telephone : 909-625-6645

Requested Inspections	Date	AM/PM	By	Notes
307-Other Inspection (Fire)	5/8/2006	PM	BLK	Tank removal Contact Dino at 310-628-4258

Disposition			Notes
APPR	CANC	DTAG	
FAIL	PASS	STOP	
NRDY	PART	CORR	

Inspection History

Inspection Type	Due Date	Result Code(s)

UGST Removal (2) 12000 Gal. Tanks

1. (Friday) 5/5/06 0900 → 1200 O/T 3 hrs.
5 (wednesday) 5/3/06 - 0900 → 1630 Reg. Time 6.5 hrs.
2. (monday) 5/8/06 0900 → 1200 Reg. Time 3 hrs.
3 (Tuesday) 5/9/06 0800 → 0900 Reg. Time 1 hr.
4 (wednesday) 5/10/06 1000 → 1100 Reg Time 1 hr.

CUPA
SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION – FIELD SERVICES
620 SOUTH "E" STREET, SAN BERNARDINO, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

$ _____ First Tank

$ _____ Each Additional Tank Number of Tanks this Application _____

JOB LOCATION

TAMCO	Mike Perchan	909-899-0660 Ext. 5294
Facility Name	Contact Person	Phone No.
12459-B Arrow Hwy	Rancho Cucamonga	91739
Situs Address	City	Zip Code
[illegible]	[illegible]	[illegible]
Water/Sewer Agency	Fire	

PROPERTY OWNER

TAMCO		909-899-0660
Name		Phone No.
P.O Box 335	Rancho Cucamonga	91734
Mailing Address	City	Zip Code
A. Brad Wilkins		909-646-7861
Owner's Representative		Phone No.

TANK CONTENTS

Diesel Fuel #1 4-12K

CONTRACTOR

Ecology Control Ind	Dina Rodriguez	(310) 628-9258
Company Name	Contact Person	Phone No.
10680 Sierra Ave	Montclair CA	91763
Mailing Address	City	Zip Code

Workman's Comp Insurance Carrier	Policy No.	
WC 5863463-01	Lockton Ins Brokers Inc.	12/9/06
State Contractor's License No. 741611	Types of Licenses A Haz C-2 HIC	Expiration Date 10/31/06

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

A. Brad Wilkins	909-646-7861
Print Name Clearly	Phone
[signature]	3/2/06
Signature	Date

OFFICE USE ONLY

Under Permit ☐ No ☑ Yes — FA 6582 — Facility I.D. Number

Number of Tanks 4

Fees Current ☐ No ☑ Yes — Delinquent Amount — Expiration Date

Permit Fee Paid THIS Application — Receipt Number

Check Number

Date Paid

Taken by

Log Number — Job Card Number

03-19991-670 Rev. 12/02

NO: 3923

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

NOT TRANSFERABLE — FIRE SAFETY DIVISION — NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

NAME OF BUSINESS: Tamco DATE: 11/4/93

ADDRESS: 12459 Arrow, Rancho Cucamonga 91739 PHONE: 909-899-0660

TO: (Type of Permitted Use/Activity) remove four (~~4~~ 3) 50,000 gallon underground tanks which formerly held fuel oil.

AT: (Location of Permitted Use/Activity) 12459 Arrow Rancho Cucamonga, California, in accordance with terms of application on file with the Fire Safety Division and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code and other related regulations are complied with.

Special Conditions: OBTAIN PERMITS FOR REMOVAL TANKS

Expiration Date: 11/4/93

BY: [signature]

TITLE: FIRE INSPECTOR

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

FSD-9 3/92 White - Occupant Yellow - Occ. File Pink - File Box

RANCHO CUCAMONGA FIRE DISTRICT

10500 Civic Center Drive - P. O. Box 807
Rancho Cucamonga, CA 91729

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Install

(x) Other (Specify) Underground Storage tank removal

At: Business Name TAMCO

Address 12459 Arrow Rancho Cucamonga, CA 91739

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

~~Fuel Oil cont formerly containing~~ of
Removal of 4-50,000 gallon Underground Storage Tanks formerly containing fuel oil

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

Conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. Permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name Leonard E Robinson Phone (909) 899-0660

Applicant's Signature in behalf of TAMCO Date

* FOR FIRE AGENCY USE ONLY * * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED ( )
DENIED ( )

(Signature) (Date)

(Title)

FIRE AGENCY REPRESENTATIVE

TELEPHONE

Fee Due $ 460.00 Date Paid 10/25/93

Rev. 3/92

Submit to:
San Bernardino County Department of Environmental Health Services
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160

APPLICATION FOR REMOVAL OF UNDERGROUND STORAGE TANK

FEE:

$ 416.00 First Tank

$ 156.00 Each Additional Tank

Fire Agency Rancho Cucamonga

Number of Tanks this Application Four

JOB LOCATION

Facility Name or Contact Person TAMCO — *Phone No.* (909)899-0660

Situs Address 12459 Arrow Highway

City Rancho Cucamonga — *State* CA — *Zip Code* 91739

OWNER

Name TAMCO — *Phone No.* (909)899-0660

Mailing Address P.O. Box 325

City Rancho Cucamonga — *State* CA — *Zip Code* 91739

CONTRACTOR

Name TAMCO — *Phone No.*

Mailing Address — *City* — *State* — *Zip Code*

Workman's Comp. No. — *Policy No.*

State Contractor's License No. — *Types* — *Expiration Date*

Water Sewer Agency Cucamonga County Water District
Chino Basin Municipal Water District

NOTE: The State of California has determined that tanks used for the storage of any hazardous or flammable substance shall be considered hazardous even if all contents have been removed.

All storage tanks shall be hauled as hazardous waste, accompanied by a state hazardous waste manifest, and taken to a licensed treatment, storage and disposal facility (TSDF); or if the tanks are triple rinsed on site and the rinsate manifested and hauled to a licensed TSDF, the tank may be handled as nonhazardous.

For information on licensed TSDFs that can accept nonrinsed tanks, contact the State of California Department of Health Services, Toxic Substance Control at (800) 258-6942.

Leonard E. Robinson — *Print Name*

Signature

(909) 899-0660 — *Phone Number*

9/3/93 — *Date*

— OFFICE USE ONLY — (02)

Under Permit ☒ Yes ☐ No

Est. No. 86008874

No. of Tanks 4

Fees Current ☒ Yes ☐ No

Delinquent Amount

Expiration Date 4/30/94

Amount #384.00

Check No. 703060

Date Paid 9/7/93

Taken By Mail in

Log No. 09393-01

Job Card Issued No. 3482

RANCHO CUCAMONGA FIRE DISTRICT
6623 AMETHYST STREET
RANCHO CUCAMONGA, CA 917[illegible]

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE OR CONDUCT OPERATIONS, INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE 11-13-89

The undersigned hereby applies for a permit to:

( ) Conduct Operations ( ) Manufacture ( ) Store ( ) Use ( ) Install
(X) Other (Specify) REMOVE

At: Business Name: AMERON STEEL & WIRE DIV.

Address: 12459 ARROW ROUTE, RANCHO CUCAMONGA.

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide "Hazardous Materials Safety Data Sheets" (MSDS) for all substances used or manufactured.

REMOVAL 10,000 GAL UNDERGROUND STORAGE TANK.
DIESEL FUEL

(Attach separate sheet if necessary)

(✓) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance with all regulations or conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions in effect at the time of inspection and does not imply approval of any zoning, planning and/or building department regulations.

Print Applicant's Name: J. D. Beodine & Son Inc. Phone: 714 355-5624

Applicant's Signature: [signature]

* *FOR FIRE AGENCY USE ONLY* * * * * * * * * * * * * * * * * * *

THIS APPLICATION IS: APPROVED (X)
DENIED ( )

[signature] 11/13/89
Signature Date

Title INSPECTOR

FIRE AGENCY REPRESENTATIVE

TELEPHONE

FEE DUE $ DATE PAID

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date 9-5-97

Name: Ameron Pipe

Address: 12459 Arrow Route, Rancho Cucamonga

To: remove 3 underground tanks - used to store waste oil

At: 12459 Arrow, Rancho Cucamonga California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: Ralph E Crane

Title: FSD5

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

NOT TRANSFERABLE

FOOTHILL FIRE DISTRICT
FIRE PREVENTION BUREAU

NOT TRANSFERABLE

PERMIT

PERMIT GRANTED TO:

Date 9-5-97

Name: Ameron Pipe

Address: 12459 Arrow Route, Rancho Cucamonga

To: remove three underground tanks - used to store diesel

At: 12459 Arrow, Rancho Cucamonga California, in accordance with terms of application on file with the Fire Prevention Bureau, and subject to the provisions of the Uniform Fire Code and other Regulations of this Fire District. This permit is issued and accepted on condition that all applicable sections of the Uniform Fire Code are complied with.

Special Conditions:

This Permit does not take the place of any license required by law. Any change in the use or occupancy of premises shall require a new permit.

FIRE CHIEF

By: Ralph E Crane

Title: FSD5

THIS PERMIT MUST BE CONSPICUOUSLY POSTED ON THE PREMISES AT ALL TIMES

APPLICATION FOR FIRE AGENCY PERMIT

Fee to be due @ 9-8-87 to pay fee prior to that

FOOTHILL FIRE DISTRICT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: 8-31-87

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

( ) MANUFACTURE
( ) STORE
( ) USE
( ) INSTALL
( ) CONDUCT OPERATIONS
( ) OTHER (Describe) _____

AT: Amaron ~~Steel~~ Pipe
(Name of Business)

12459 Arrow Rte R.C. 91739
(Address) (City)

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide hazardous materials safety data sheets for all substances used or manufactured.

remove 3 u/g tanks
stored waste oil

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance of those regulations or any conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions that are in effect at the time of the inspection. This permit is not approved insofar as Zoning, Planning and/or Building Regulations are concerned.

H.B. Covey Inc. - Joe Flores — 714 623-2502
Please print applicant's name — Telephone

Applicant's Signature

FOR FIRE AGENCY USE ONLY

THIS APPLICATION IS: APPROVED (✓) DENIED ( )

Ralph E Crane 9-8-87
Signature — Date

F-SD Supv.
Title

FIRE AGENCY REPRESENTATIVE

STREET ADDRESS

CITY TELEPHONE

Fee Due 25.00
Fee Paid
Date Paid

APPLICATION FOR FIRE AGENCY PERMIT

FOOTHILL FIRE DISTRICT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE: 8-31-87

THE UNDERSIGNED HEREBY APPLIES FOR A PERMIT TO:

( ) MANUFACTURE
( ) STORE
( ) USE
( ) INSTALL
( ) CONDUCT OPERATIONS
(X) OTHER (Describe) remove tank

AT: Ameron Pipe
(Name of Business)
12459 Arrow Rte. R.C. 91739
(Address) (City)

Briefly describe operation(s). Where applicable, list all hazardous materials being stored or used. Provide hazardous materials safety data sheets for all substances used or manufactured.

remove @ 3 u/g tanks
3 stored diesel
~~3 stored waste oil~~

(Attach separate sheet if necessary)

( ) If checked, two sets of plans and construction details shall be submitted with this application.

The conditions, surroundings and arrangements shall be in accordance with Fire Prevention Regulations and the premises shall be subject to periodic inspections for compliance of those regulations or any conditions imposed. The permit is subject to revocation for failure to comply with those fire regulations and conditions that are in effect at the time of the inspection. This permit is not approved insofar as Zoning, Planning and/or Building Regulations are concerned.

H.B. COVEY INC. - JOE FLORES 714-623-2502
Please print applicant's name Telephone

Applicant's Signature

FOR FIRE AGENCY USE ONLY

THIS APPLICATION IS: APPROVED (✓) DENIED ( )

Ralph E Crane 9-8-87
Signature Date

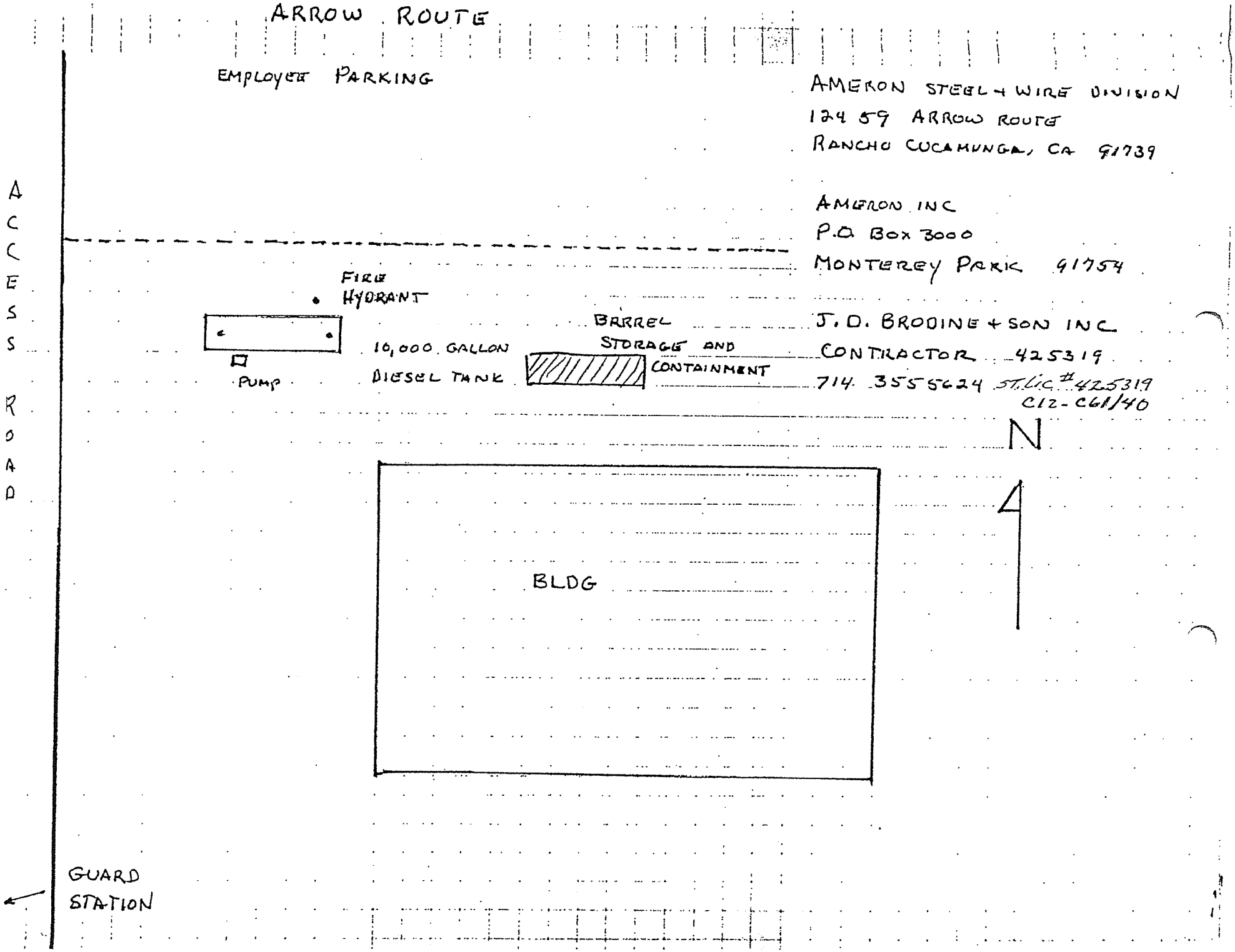
FSDS
Title

FIRE AGENCY REPRESENTATIVE

STREET ADDRESS

CITY TELEPHONE

Fee Due 25.00
Fee Paid
Date Paid


ARROW ROUTE
EMPLOYEE PARKING
AMERON STEEL + WIRE DIVISION
12459 ARROW ROUTE
RANCHO CUCAMUNGA, CA 91739
AMERON INC
P.O Box 3000
MONTEREY PARK 91754
ACCESS ROAD
FIRE HYDRANT
10,000 GALLON DIESEL TANK
PUMP
BARREL STORAGE AND CONTAINMENT
J. D. BRODINE + SON INC
CONTRACTOR 425319
714 3555624 ST.LIC.# 425319
C12-C61/40
N
BLDG
GUARD STATION

MAIL TO:
P. O. Box 35
Alta Loma, CA 91701

ATTENTION:
INSP. LONGO

FOOTHILL FIRE DISTRICT

(714) 987-1786

AMERON STEEL
& WIRE DIVISION

GAH
WLL
DAF
RCT
RHJ
DAK

APR 27 1979

SWO
RJS
RTP
BVK
FEG
TT

RECEIVED

APPLICATION FOR PERMIT

INSTALL, CONDUCT PROCESSES, STORE, HANDLE, KEEP FOR SALE, OR CARRY ON OPERATIONS INCLUDING OR CREATING CONDITIONS DEEMED HAZARDOUS TO LIFE AND/OR PROPERTY

DATE April 30, 1979

APPLICATION IS HEREBY MADE BY THE UNDERSIGNED FOR A PERMIT TO:

- (X) STORE
- (X) USE
- ( ) INSTALL
- ( ) CONDUCT OPERATIONS

IN OR ON THE PREMISES KNOWN AS: Tamco

12459 Arrow Highway STREET/AVENUE

Etiwanda, CA 91739, CALIFORNIA

BRIEFLY DESCRIBE THE OPERATION(S) AND/OR TYPE AND AMOUNTS OF STORAGE WHICH, IF LIQUIDS, SHALL INCLUDE CHEMICAL OR BRAND NAMES AND FIRE HAZARD RATINGS, FLASH POINT, BOILING POINT AND EXPLOSIVE LIMITS:

2 - 8000 gal. diesel fuel tanks

1 - 4000 gal. gasoline tank

To be installed per drawing 4H5-3338 & 3339.

(✓) IF CHECKED, TWO SETS OF PLANS AND CONSTRUCTION DETAILS SHALL BE SUBMITTED ALONG WITH THIS APPLICATION. RECEIVED

THIS APPLICATION IS DENIED ( )
APPROVED (✓)

E. Longo — INSP.
SIGNED — TITLE

DATE 5-1-80 RECEIVED

MAY - 1 1979

FOOTHILL FIRE DISTRICT

Mark A. Keltner
NAME OF APPLICANT - PLEASE PRINT
Construction Engineer

Mark Keltner
SIGNATURE

Rev. 1/77

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW HWY

Owner: AMERON PIPE

Mailing Address: 12459 ARROW HWY

City: RC Zip: Tel: 889-1716

Contractor: WHITTAKER ELECT. Co.

Address: 383 S. J ST.

City: SAN BNDO Zip: 92410 Tel: 889-9895

State Lic. & Classif.: C10 164965 City Lic. No.: 014042

LICENSED CONTRACTOR'S DECLARATION

[X] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

[ ] I am exempt under Sec. _____, B. & P.C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

[X] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. CT 8134023 Company NOLST. INDEM.

[X] Copy is filed with the city. [ ] Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes. 4/29/81

Signature of Applicant: _____

Mailing Address: 383 So J

City, State, Zip: San Bndo Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size .....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify UNDER SLAB grounding sys. underground conduit wiring)	20 00
	Sq. Ft. Area New Residential Bldg. ..... @	
	Sq. Ft. Area New Res. Accessory Bldg. ..... @	
	Plan Chk. Fee ..... Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	27 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Others	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets .....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 27 00

Processed By: _____ Spec. Cond.: _____

Validation: _____ Date: 4/29/81

Permit No. 81-1351

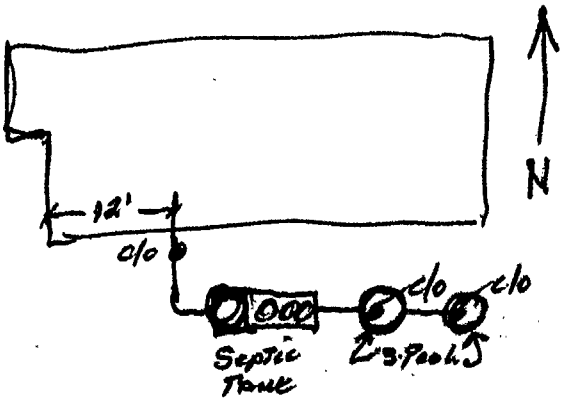
This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 180 days.

INSPECTOR COPY

INSPECTION RECORD		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM	6/5/81	[illegible]
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM



BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		No. Stories —	Type Const. TEN	Occ. Group M-1
Lot No.	Block	Tract	Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
Owner	AMERON STEEL & WIRE		No. Bedrooms	Lot Size Size	APN
Mailing Address	P.O. BOX 8		CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
City	ETIWANDA	Zip 91739 Tel 987-2521	Special Conditions:			
Contractor	OWNER					
Address						
City		Zip Tel.				
State Lic. & Classif.		City Lic. No.				
Arch., Engr., Designer		Tel.				
Address						
City		Zip State Lic. No.				
Proposed Construction	PREHEATER EQUIPMENT FOUNDATION					
Sq. Ft. Size	No. Stories	No. Dw. Units				

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

VALUATION: $ 17,500

FEES $		
PLAN CHECKING FEE	Pd. 82-1303	96.38
PERMIT FEE		128 50
DRAINAGE FEE		25 00
SYSTEMS FEE		175 00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		328 50

Processed By BH | School Fee Recpt. # | Validation | Date 6/29/82

Permit No. 82-1389

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B.&P.C. for this reason _____

Owner _____ Date 6/29/82

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declaration is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes. Date 6/29/82

Signature of Applicant _____

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6-30-82	Were
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.	7-14-82	Were
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landing, House Numbers, Weather Stripping, Pl./Eng. Clear.	7-14-82	Were
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGNS:		

INSPECTION NOTES

7-21-82 Epoxy Corner - Half of
7-27-82 Chargeing Tank end wall

BUILDING AND SAFETY DIVISION Duplicate

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Owner	Ameron Steel & Wire		
Mailing Address	P.O. Box 8		
City	Etiwanda	Zip 91739	Tel. 899-2551
Contractor	Kent Electric Co.		
Address	11631 Industry Ave.		
City	Fontana	Zip 92335	Tel. 681-2910
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
9	Motors (HP ea.....)	142 50
	Other (Specify.....)	4 00
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	153 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets.....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 153 50

Processed By	BA	Spec. Cond.	
Permit No.	82-1446	Validation	Date

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY
ELEC. TOOK ALL OF ORIGINAL PERMIT. 7/20/82 DL

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address: 12459 Arrow Hwy | Lot No. | Block | Tract

Owner: AMERON STEEL & WIRE

Mailing Address: P.O. Box 8

City: ETIWANDA | Zip: 91739 | Tel: 987-0854

Contractor: OWNER

Address

City | Zip | Tel.

State Lic. & Classif. | City Lic. No.

Arch., Engr., Designer

Address | Tel.

City | Zip | State Lic. No.

Proposed Construction: HOT WELL as per plans on File.

Sq. Ft. Size | No. Stories | No. Dw. Units

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories | Type Const. | Occ. Group

Occ. Load | No. Dw. Units | Use Permit Required [ ] | Des. Rev. Required [ ]

No. Bedrooms | Lot Size Size | APN

CCWD Appr. Required [ ] | H.D. Appr. Required [ ] | F.D. Appr. Required [ ] | D.A. Appr. Required [ ]

Special Conditions:

VALUATION: $ 10,000

FEES		
PLAN CHECKING FEE	BR-0208 PS 2-24-82	60 38
PERMIT FEE		80 50
DRAINAGE FEE		25 00
SYSTEMS FEE	@ 1% Value	100 00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		205 50

Processed By: RH | School Fee Recpt. # | Validation | Date: 3-10-82

Permit No. 82-0397

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[X] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____, B. & P. C. for this reason _____

Date 3-10-82 Owner X

WORKERS' COMPENSATION DECLARATION

[X] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) or less.

[X] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

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CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing information declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 3/10/82

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	3/11/82	Mich.
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.	3/30/82	Mich
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr., Clear.	9-14-82	Mich

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

OK Wall Pour 3/31/82 Mich

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HWY				
Lot No.	Block	Tract	No. Stories	Type Const.	Occ. Group
Owner	KAISER STEEL & WIRE DIV		Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Mailing Address	PO BOX 8		No. Bedrooms	Lot Size Area	APN
City	ETIWANDA	Zip 91739	CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐ / D.A. Appr. Required ☐
Tel.	987-2521		Special Conditions:		
Contractor	OWNER				
Address					
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer					
Address		Tel.			
City	Zip	State Lic. No.			
Proposed Construction	TWO 8'X12' ELECTRICAL CONTROL BLDG				
Sq. Ft. Size	96' EACH	No. Stories 1	No. Dw. Units		

VALUATION: $ 3,000 EACH = $ 6,000

FEES			
	PLAN CHECKING FEE 82-1100	42	38
	PERMIT FEE	56	50
	DRAINAGE FEE	25	00
	SYSTEMS FEE	60	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	141 50
Permit No.	821155	Validation	Date 6/2/82

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

☒ (This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the information indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	7-14-82	Ware
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Piers, Cont. Tr. Lmbr.	8-23-82	Ware
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engg. Clear.	9-14-82	Ware
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
[illegible]:		

INSPECTION NOTES:

7-24-82 Ware West bldg foundation ok

[illegible] east bldg foundation ok

roof bldg bldg east ok

8-15-82 Rebar ok Ware

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	PO Box 8		
City	ETIWANDA	Zip 91739	Tel 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer			
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	Cooling Tower Foundation		
Sq. Ft. Size		No. Stories	No. Dw. Units

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]

Special Conditions:

VALUATION: $ 12,500

FEES		
PLAN CHECKING FEE	PD 3-26-82	$ 73 88
PERMIT FEE		98 50
DRAINAGE FEE	BASED ON 0.02 Ac	50 00
SYSTEMS FEE		125 00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		273 50

Processed By [illegible] School Fee Recpt. #

Permit No. 82-0752 Validation [illegible] Date 4-16-82

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[ ] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

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NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all City and County ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	4/21/82	[illegible]
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Valves, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engg. Clear.	9-14-82	[illegible]
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Slt., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

4/21/82
Slab & Footings OK
[illegible]

5/5/82
wall steel & Fences OK
[illegible]

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HWY				
Lot No.	Block	Tract			
Owner	AMERON STEEL & WIRE DIV				
Mailing Address	P.O. BOX 8				
City	ETIWANDA	Zip 91737	Tel. 987-2521		
Contractor	OWNER				
Address					
City		Zip	Tel.		
State Lic. & Classif.			City Lic. No.		
Arch., Engr., Designer	OWNER				
Address			Tel.		
City		Zip	State Lic. No.		
Proposed Construction	COIL COLLECTOR STATION PERSONNEL SHELTER				
Sq. Ft. Size	714	No. Stories 1	No. Dw. Units		
New ☒	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐	

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:			

VALUATION: $ 10,900 XX

FEES			
	PLAN CHECKING FEE	64	88
	PERMIT FEE	86	50
	DRAINAGE FEE based on 0.02 Ac	50	00
	SYSTEMS FEE	109	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	245 50
Permit No.	81-1994	Validation	Date 6/29/81

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date 6/29/81 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

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CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	8/10/81	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/14-82	Ware
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS, Radius Sft., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN-OFF:		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Final

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arroyo Hwy				
Lot No.	Block	Tract			
Owner	TAMCO				
Mailing Address	PO BOX 325				
City	ETIWANDA	Zip	91739	Tel	987-2521
Contractor	OWNER				
Address					
City		Zip		Tel.	
State Lic. & Classif.				City Lic. No.	
Arch., Engr., Designer					
Address				Tel.	
City		Zip		State Lic. No.	
Proposed Construction	Scrap Yard Lunch Room				
Sq. Ft. Size	240	No. Stories	1	No. Dw. Units	
New ☑	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐	

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:			

VALUATION: $ 10,400

FEES			
	PLAN CHECKING FEE Rec. # 81-2672	64	00
	PERMIT FEE	86	50
	DRAINAGE FEE	25	—
	SYSTEMS FEE	104	
	BEAUTIFICATION FEE	—	
	PARK FEE	—	
	OTHER		
Processed By: A.R.	School Fee Recpt. #	TOTAL	215 50
Permit No. 81-2682	Validation	Date	9/2/81

LICENSED CONTRACTOR'S DECLARATION

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☐ I am exempt under Sec. _____ & B.&P.C. for this reason _____

Date 9/1/81 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

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CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct, and I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 9/1/81

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	10/6/81	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.	10/6/81	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.	10/19/81	
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	10/27/81	
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.	10/27/81	
INSULATION: Thickness, R-Values, Piping, Sound Caulking.	✓	
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.	✓	
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.	10/30/81	
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.	✓	
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	11/6/81	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

10/14/81 1st grout lift

10/19/81 2nd & final grout lift

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel (714) 989-1851

Garage Home

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy
Owner	AMERON
Mailing Address	12459 ARROW HWY
City	R.C. Zip 91739 Tel 887-2521
Contractor	WHITTAKER ELECTRIC Co
Address	333 So "J"
City	SAN B'NOO Zip 92410 Tel 889-9895
State Lic. & Classif.	164 Lic. City Lic. No. 1404

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.
- ☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.
- ☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. CB 842699 Company INDEMNITY

- ☒ Copy is filed with the city.
- ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

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☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

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I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Whittaker Electric 9/10/81

Mailing Address 333 So J

City, State, Zip San Bndo Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 60 AMP)	10 00
3	Outlets (Receptacles, Lights, Switches)	1 50
1	Fixtures 220 REC.	1 00
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	3 00
	TOTAL ELECTRICAL FEES	15 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 15 50

Processed by	JSJ	Spec. Cond.	
Permit No.	81-2741	Validation	Date SEP-81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT	9/11/21	Russell	
ROUGH WIRING	10/27/21	Russell	
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.			
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER. Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

SEWER/PRIV. DISP. SYSTEM DIAGRAM

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW HWY

Owner: TAMCO AMERON

Mailing Address: 12459 ARROW HWY.

City: ETWANDA Zip: 91739 Tel: 899-1716

Contractor: WHITAKER ELECT. CO.

Address: 393 So J ST.

City: SAN BNDO Zip: 92410 Tel: 889-9995

State Lic. & Classif.: 164965 C10 City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. CBB12-5899 Company Ind Indem.

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: A Greenmun Date: 10/7/81

Mailing Address: 393 So J St

City, State, Zip: San Bndo, Ca 92410

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 120A, 480A)	39 00
11	Outlets (Receptacles. Lights, Switches)	5 50
5	Fixtures	2 50
	Motors (HP ea.)	
	Other (Specify 7 15 KVA TRANS.)	12 50
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	62 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 62 50

Processed by: BH Spec. Cond.:

Permit No.: 81-3024 Validation: Paid R. Date: 10/7/81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT	10/8/81	[illegible]	
ROUGH WIRING	10/27/81	[illegible]	
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.			
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT



- ✓ BUILDING
- ELECTRICAL
- MECHANICAL
- ( ) PLUMBING
- ( ) GRADING
- ✓ NEW
- SFD
- [ ] ADDN
- [ ] APT.
- ✓ ALTER
- [ ] DUPLEX
- [ ] REPAIR
- [ ] COMM

PERMIT NO 78-381	ZONING M-2	USE PERMIT —	DESIGN REVIEW —	UBC ED. 76	
LOT AREA —	DWELLING UNITS	FIRE ZONE 3	STORIES	BEDROOMS	
FLOOR AREA —	VALUATION 3500 —	GROUP B-4	MAX. OCC. —	TYPE II-N	

PROPOSED WORK/REMARKS: Construct Observation platform in Casting machine area

INSPECTOR WORK SHEET

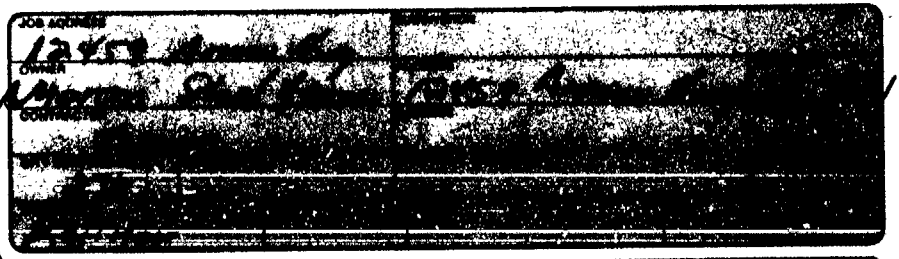
Footing South East 12-28-78 JH

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK /STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	4-5-79	JH
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT



- [X] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING
- [X] NEW [ ] SFD
- [ ] ADDN [ ] APT
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM

PERMIT NO: 78-383

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
20,180	160,000	B-4	—	II-N
LOT AREA	**DWELLING UNITS**	**FIRE ZONE**	**STORIES**	**BEDROOMS**
42 Ac. ±		3	1	—
ZONING	**USE PERMIT**	**DESIGN REVIEW**	**UBC ED**	
M2			76	—

PROPOSED WORK/REMARKS: Construct Use Storage Bldg

Bldg Engr: Mark Kistner

need grad. contr. list.

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK /STL	11-29-78	
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	4-5-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION Mark Kellner

city of rancho cucamonga

BUILDING PERMIT

JOB NUMBER

- ( ) BUILDING
- ( ) ELECTRICAL
- ( ) MECHANICAL
- ( ) PLUMBING
- ( ) GRADING

- [ ] NEW [ ] SFD
- [ ] ADDN [ ] APT.
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM.

PERMIT NO 79-275

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED	

PROPOSED WORK/REMARKS.

Constr. 28' x 74' Building Bldg. per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK /STL	2-20-79	JH
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ECTRICAL FINAL		
UMBING FINAL		
CHANICAL FINAL		
LDING FINAL	JH 4-16-79	
ING FINAL		
WAY FINAL		
TIFICATE OF OCCUPANCY		

12459 ARROW HWY.

BUILDING PERMIT

SAN BERNARDINO COUNTY

Region	By	Application Date	Plans	Plot	Gr.	Type Con.	Fire Zone	Plan No.	Index No.
20	PM	1-10-78							124-85

To be filled in by Applicant – PLEASE PRINT OR TYPE

Permit Number: 55641

Owner's Name: ~~EMERSON~~ TRACO - SEWER AUTHORITY — Phone No.: 987-2521

Owner's Mailing Address: 12459 Arrow Hwy — City: ETIWANDA — Zip: 91739

JOB SITE ADDRESS: SAME — CITY

Lot No. — Block No. — Tract No.

Sec. — Twn. — Rng.

Intended Permit Use: CEN A COMPRESSOR ROOF COVER

Lot Dimensions	No. Stories	No. Bedrms.	No. Dwell. Units	No. Dwell. Units Now on Lot	No. Fireplaces

No. Bldgs. Now on Lot	How Used	When Plans Checked Notify

Contractor: O/B — City — Zip — Phone No.

Contractor's Mailing Address

FLOOR	EXT. WALLS	INT. WALLS	CEILING	ROOF	HEATING	SEWAGE SYSTEM
Conc.	Masonry	Masonry	Open Beam	Wood	Elect.	Public
Wood	Frame	Frame	Plaster	Comp. Sh.	Nat.Gas	Private
	Stucco	Plaster	Sheetrock	Built-up	L.P.G.	
	Siding	Sheetrock	Wood	Metal	Oil	Min.Depth
	Metal	Wood	Fiber Board	Tile	Solid	S.F./100 gal.

CERTIFICATION OF APPLICANT FOR BUILDING PERMIT

I have read this application and agree to comply with all laws regulating construction. I certify that in the performance of this work I shall not employ any person in any manner violating Workers' Compensation laws.

California Health & Safety Code, Sec. 17922.6, requires applicants for building permits to show that a Division of Industrial Safety permit has been obtained, unless the applicant signs this Certificate below.

☐ I certify that no excavation five (5) or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit from that division.

Division of Industrial Safety Permit No. — 12/9/77

Owner's Signature: Mark Kelton — License No.

Contractor's Signature

ONTARIO COMPLETED DATE: 4-[illegible]

Valuation $ 3,500.00

	Sq. Ft.	Factor P.S.	Adjusted Area or Valuation
1			
2			
3			
Gar.			
Porch			
F.P.			

Adjusted Area — Cu. Yds.

Grading

ELECT.

PLUMB.

MECH.

Plan Check Fee	$ 21	45
Const. Fee	33	—
Elect. Fee		
Plumb. Fee		
Mech. Fee		
Grading Fee		
Misc. Fee		
Permit Fee		
TOTAL FEE	$ 54	45

VALIDATION SPACE OR RECEIPT NO. Cash/Check

Receipt 350345 C/C 8545

DEPARTMENT USE ONLY

Plan Check Valuation

By — AP No.

ZONE

Minimum Setback Distances

_____ Front Setback from Center Line — R/W

_____ Rear Setback from Rear Property Line — R/W

_____ Side Street Setback from Center Line

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE:

STRUCTURE	PLUMBING				HEATING & AIR COND.				ELECTRICAL	
SETBACK	LAVATORY		TOILET		GAS PIPE		COOLER			
EXCAVATION	BATHTUB		FL. DRAIN		FL. FURN.		REFRIG.			
FORMS	SHOWER		SEWER		WALL FURN.		A.C. UNIT			
FOUND. REINF.	SINK		SEPTIC TANK		F.A.U.		HEAT PUMP			
REINF. STEEL	LAUND. TUB		SEEP. PIT		WATER HTR.		FIREPLACE			
GROUT	GARB. DISP.		LEACH LINE		BOILER		GAS CONV.			
BOND BEAM	DISH WASH.		GR. TRAP		INCINER.		L.P.G.			
LUMBER GR.	URINAL		DRINK FTN.		VENT		NAT. GAS			
FRAMING					DRYER					
ROOFING										
VENTILATION										
BATH VENT.	GROUND PLUMB.				GAS (ROUGH)				GROUNDING	RANGE
UNDERFL. VENT	ROUGH PLUMB.				HEATING (ROUGH)				BONDING	DRYER
ACCESS HOLE	SEWER				WATER HEATER				ROUGH WIRING	
GAR. FIREPROOF	SEPTIC TANK				EVAP. COOLER				SERVICE COND. SIZE	
LATHING	SIZE				A.C. UNIT				SERVICE WIRE SIZE	
MESH	SEEP. PIT				REFRIGERATION				SERVICE GROUND SIZE	
PLASTER	SIZE				DUCT WORK				AMP.	VOLTS
FIREPLACE	LEACH LINE				SPARK ARREST.				NO. BR. CIRCUITS	
INSULATION/SOUND	WATER SYS.				HEATING (FINAL)				TEMP.	
CERT. OCC.	FINAL INSP.				GAS (FINAL)				FINAL	

N.

W. E.

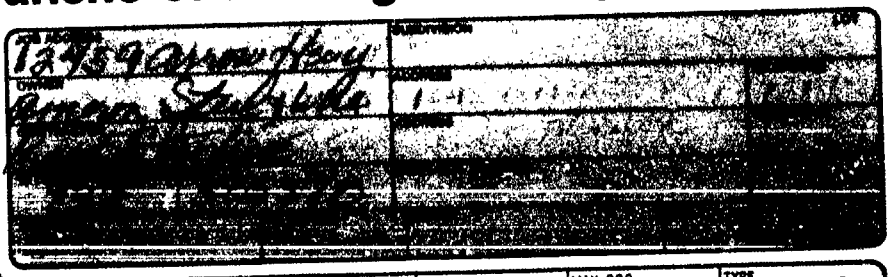
S.

FINAL O.K. 4-12-78
WITH MARK KELLNER
ENG. W/ AGREEMENT. Williams
C.B.O.

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT



- ○ BUILDING
- ○ ELECTRICAL
- ○ MECHANICAL
- ○ PLUMBING
- ○ GRADING

☑ NEW ☐ SFD
☐ ADDN ☐ APT
■ ALTER ■ DUPLEX
■ REPAIR ■ COMM.

PERMIT NO. 79-65

FLOOR AREA 20,180	VALUATION	GROUP B-4	MAX. OCC.	TYPE II-N
LOT AREA 43 acres	DWELLING UNITS	FIRE ZONE 3	STORIES 1	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS: Electrical for new wire mill Storage Bldg. as per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK /STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE	4-5-79	J.K.
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL	6-5-79	J.K.
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL		
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Final

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROWHEAD		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	PO BOX 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	LOADING PLATFORMS		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:			

VALUATION: $ 20,000

FEES			
	PLAN CHECKING FEE REC 9129 11-1280	105	38
	PERMIT FEE	140	50
	DRAINAGE FEE		
	SYSTEMS FEE		
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	

Permit No. 80-3812 Validation JR Date 11/24/80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 11/24/80 Signature [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 11/24/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	2/9/81	HRL
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
re-ROOF:		
SIGN(S):		

INSPECTION NOTES

12459 Arrow Hwy.

Bob SCHNELLER

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy				
Lot No.	Block	Tract			
Owner	AMERON STEEL & WIRE DIV				
Mailing Address	P.O. Box 8				
City	ETIWANDA	Zip 91739	Tel. 987-2521		
Contractor	OWNER				
Address					
City		Zip	Tel.		
State Lic. & Classif.			City Lic. No.		
Arch., Engr., Designer	OWNER				
Address			Tel.		
City		Zip	State Lic. No.		
Proposed Construction	ROLL MILL MAINT WEST END ENCLOSURE				
Sq. Ft. Size	1325	No. Stories	1	No. Dw. Units	
New ☒	Add. ☐	Alter ☒	Repair ☐	Demolition ☐	

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION. $ 13,200

FEES		
	PLAN CHECKING FEE RC 9-9-80	78 38
	PERMIT FEE	104 50
	DRAINAGE FEE	—
	SYSTEMS FEE	—
	BEAUTIFICATION FEE	
	PARK FEE	
	OTHER	
	TOTAL	104 50

Processed By [illegible] School Fee Recpt. #

Permit No. 80-3185 Validation [illegible] Date 10-2-80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 10/2/80 Owner [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 10/2/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	12/5/80	Comm
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bltg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	M/Parker	Comm
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
[illegible]-ROOF:		
[illegible]:		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	P.O. BOX 8		
City	ETIWANDA	Zip 91739	Tel. 987-8521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer	OWNER		
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	WINDBREAK LEAN-TO		
Sq. Ft. Size	1275	No. Stories 1	No. Dw. Units

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION: $ 13,500

FEES		
PLAN CHECKING FEE Rec'd $273 9-19-80	70	38
PERMIT FEE	104	50
DRAINAGE FEE	73	25
SYSTEMS FEE	135	00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
Processed By BM School Fee Recpt. #	TOTAL	312 75

Permit No. 80-3186 Validation CA Date 10-2-80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 10/2/80 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 10/2/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	10/27/80	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.	10/30/80	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Bocking, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/80	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Srt., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HWY		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	P.O. BOX 8		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer	OWNER		
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	FOREMANS OFFICE INT. ALT.		
Sq. Ft. Size	480	No. Stories 2	No. Dw. Units
New ☐	Add. ☐	Alter. ☒	Repair ☐ Demolition ☐

U.B.C. Edition	1976	Type Const.	V-N
Occ. Group			
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			
VALUATION: $	15,000		

PLAN CHECKING FEE	3/31/80 # 06693	82 88
PERMIT FEE		110 50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL		110 50

Processed by [illegible] Permit No. 80-1301 Validation [illegible] Date 5/15/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 3/31/80 Owner Mark Keller

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of the city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Keller 3/31/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6/27/00	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices. Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/5/00	

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGNS:		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy	U.B.C. Edition	Type Const.	Occ. Group
Lot No. / Block / Tract		Occ. Load	F. D. Appr. Required ☐	H. D. Appr. Required ☐
Owner	Ameron Steel & Wire Div	CCWD Permit ☐ Obtained ☐ N.A.	D. of A. Permit ☐ Obtained ☐ N.A.	
Mailing Address	P.O. Box 8	Use Permit Required ☐	Des. Rev. Required ☐	APN
City / Zip / Tel.	Etiwanda / 91739 / 987-2521	No. Bedrooms	Lot Size	
Contractor	OWNER	Special Conditions		
Address		VALUATION: $	12,500	
City / Zip / Tel.				
State Lic. & Classif. / City Lic. No.				
Arch., Engr., Designer	OWNER			
Address / Tel.				
City / Zip / State Lic. No.				
Proposed Construction	Foremans Office Int. Alt.			
Sq. Ft. Size	320	No. Stories	2	No. Dw. Units
New ☐ Add. ☐ Alter. ☒ Repair ☐ Demolition ☐				

FEES		
	PLAN CHECKING FEE Paid 3/31/80 # 06693	73 88
	PERMIT FEE	98 50
	DRAINAGE FEE	
	SYSTEMS FEE	
	BEAUTIFICATION FEE	
	PARK TAX	
	SCHOOL FEE	
	OTHER	
Processed by	TOTAL	98 50
Permit No. 80-1300	Validation	Date 5/15/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

☐ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date 3/31/80 Owner Allan L. Hatton

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Allan L. Hatton Date 3/31/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6/30/00	WRh
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access. Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/5/00	WRh
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility. Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

All Insp. complete & Clearance by Steve & Frank

OK Mural

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy

Owner: Ameron

Mailing Address: 12459 Arrow Hwy

City: Rancho Cucamonga | Zip: 91739 | Tel: 987-2521

Contractor: Whittaker Electric

Address: 382 S. 5 St.

City: San Bernardino | Zip: 92410 | Tel: 889-9855

State Lic. & Classif.: 164965 | City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. WJ 813 4025 Company _____

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: John Burke Date: Aug 14 1981

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.. 1200A)	50 00
103	Outlets (Receptacles. Lights, Switches)	51 50
42	Fixtures	21 00
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	129 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 129 50

Processed by: BK | Spec. Cond.:

Permit No. 81-2498 | Validation: Jai C | Date: 8/14/81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
UNDERGROUND CONDUIT	7/28/81	
ROUGH WIRING	8/27/81	
NEW SERVICE 1200 Amp	8/20/81	
FIXTURES		
FINAL ELEC. INSP.	11/6/81	
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.	8/20/81	
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel. 987-2521
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	Motor Control Center Room		
Sq. Ft. Size	No. Stories	No. Dw. Units	
New ☒	Add. ☐	Alter. ☐	Repair ☐ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 16,200

FEES			
	PLAN CHECKING FEE	Receipt 06820	91 DB
	PERMIT FEE		122 50
	DRAINAGE FEE	SEE COOLING TOWER PERMIT	
	SYSTEMS FEE	190	162 00
	BEAUTIFICATION FEE		
	PARK TAX		
	SCHOOL FEE		
	OTHER		
	TOTAL		284 50

Processed by _____ Valid _____ Date _____

80-1197 5-7180

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 5/7/80 Owner Mark Kelton

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of th work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 5/7/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Pnlt., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings; House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/00	W.R.L.
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sit., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel. 987-2521
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer			
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	COOLING TOWER STORAGE BASIN & HOT WELL		
Sq. Ft. Size		No. Stories	No. Dw. Units

New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 68,000

FEES		
PLAN CHECKING FEE	Receipt 0692	259 50
PERMIT FEE		346 00
DRAINAGE FEE		2500 00
SYSTEMS FEE	1%	680 00
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL		3526 00

Processed by

Permit 80-1196 Validated

Date 5/7/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 5/7/80 Owner Mark Kelton

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 5/7/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/86	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
[illegible]:		
ROOF:		
[illegible]:		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HIGHWAY		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE		
Mailing Address	12459 ARROW HWY		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	ROY O. HUFFMAN ROOF CO.		
Address	5971 JURUPA AVE.		
City	RIVERSIDE	Zip 92504	Tel. 689-8330
State Lic. & Classif.	316458 C-39	City Lic. No.	2269
Arch., Engr., Designer			Tel.
Address			
City		Zip	State Lic. No.
Proposed Construction	RE-ROOF (Lot map)		
Sq. Ft. Size		No. Stories	No. Dw. Units

New ☐ Add. ☐ Alter. ☐ Repair ☒ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 5,501.00

FEES		
	PLAN CHECKING FEE	42 38
	PERMIT FEE	56 50
	DRAINAGE FEE	
	SYSTEMS FEE	
	BEAUTIFICATION FEE	
	PARK TAX	
	SCHOOL FEE	
	OTHER	
	TOTAL	98 88

Processed by JM. Permit No. 80-1045 Validation JM Date 4/21/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. WR 1 060228 Company Mission Ins Co.

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 4/10/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/20	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	Etiwanda	Zip 91739	Tel 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	Etiwanda	Zip 91739	Tel 9872521
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct; I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Kellins Date 5/7/80

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other Water Conn	3 50
	Plan Chk. Fee / Issuance Fee			7 00
	TOTAL PLUMBING FEES			10 50

TOTAL ELEC., MECH., PLMBG. FEES

Processed By _____ Spec. Cond. _____

Permit No. 80-1195 Validation _____ Date 5-7-80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

	INSPECTION	DATE	INSP. SIGN.
ELECTRICAL	UNDERGROUND CONDUIT		
	ROUGH WIRING		
	NEW SERVICE		
	FIXTURES		
	FINAL ELEC. INSP.		
	TEMP. POWER POLE		
	OTHER		
	OTHER		
	ELEC. UTILITY CLRNCE.		
MECHANICAL	U. G. DUCTS/REFRIG. LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs		
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports		
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
	GAS TEST		
	FINAL PLMBG. Fixtures, Valves, Services	12/20/80	
	WATER HTR. Vent, Valves, Press. Rel. Valve		
	SEWER/PRIV. DISP. SYSTEM		
	OTHER		
	OTHER		
	GAS UTILITY CLRNCE.		
MISC.	BONDING		
	U.G. CONDUIT		
	GAS PIPING Material, Depth		
	GAS TEST		
	HEATER Vent, Clearance, Location, Shut-off		
	FINAL POOL ELEC.		
	FINAL POOL PLMBG.		
	OTHER		

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	8'HIGH X 2405' LONG FENCE 2 3/8" SCH 40 POLE W 11GA FABRIC FOOTINGS 30" DEEP X 8" DIA.		
Sq. Ft. Size	No. Stories	No. Dw. Units	
New ☒	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐

No. Stories —	Type Const. V-N		Occ. Group M-2
Occ. Load —	No. Dw. Units —	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size 14 acres		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION: $ 13,500

FEES		
PLAN CHECKING FEE		
PERMIT FEE	104	50
DRAINAGE FEE (1 acre min.)	2500	00
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
Processed By MP	School Fee Recpt. # — TOTAL	2604	50
Permit No. 80-1886	Validation O.T.C.	Date 6/24/80	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date 6/25/80 Owner Mark Kelting

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

☒ (This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 6/25/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/83	

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy RC

Owner: AMERON

Mailing Address: 12459 ARROW HWY R

City: R. C. Zip: Tel: 889-1716

Contractor: WHITTAKER ELECT. CO

Address: 383 So 'J' ST.

City: SAN BNDO Zip: 92410 Tel: 8893895

State Lic. & Classif.: 164965 C10 City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 4458025 Company GREAT AMERICAN

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 7/1/80

Mailing Address: 383 So J St.

City, State, Zip: San Bndo 92410

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, (Industrial))	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
10	Motors 4 HP 150 HP (HP ea. 30 50 HP 2 @ 40 HP)	235 00
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	242 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
Plan Chk. Fee		Issuance Fee		
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
Plan Chk. Fee		Issuance Fee		
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES

Processed by: [signature] Spec. Cond.

Permit No. 80--1943 Validation [signature] Date 7/2/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT			
ROUGH WIRING			
NEW SERVICE			
FIXTURES			
FINAL ELEC INSP.	12/22/82	Hyde	
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

SEWER/PRIV. DISP. SYSTEM DIAGRAM

PC#399

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	PO Box 325		
City	ETIWANDA	Zip 91739	Tel. 907-2521
Contractor	OWNER-BUILDER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer			
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	Foundation For Dolomite Silo		
Sq. Ft. Size		No. Stories	No. Dw. Units

New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION: $ 5500 00 8/19/80

FEES		
PLAN CHECKING FEE	pd. 08256	42 38
PERMIT FEE		56 50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		56 50

Processed By JG | School Fee Recpt. # | Permit No. 80-3602 | Validation | Date 11-5-80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☑ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B.P.C. for this reason _____

Date 8/19/80 Owner Mark Holtus

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Holtus Date 8/19/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	11/14/00	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/00	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sft., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
[illegible]:		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy

Owner: AMERON STEEL COMP

Mailing Address: SAME

City: RANCHO CUCAMONGA | Zip: | Tel.: 984 2504

Contractor: WH GRAHAM ELECTRIC Co

Address: 363 So "J" ST

City: SAN BERNARDINO | Zip: 92410 | Tel.: 889 9895

State Lic. & Classif.: C-10 | City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. SC 116805 Company _____

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 8-15-80

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 2 #300A 2)	20 00
	Outlets 21 (Receptacles, Lights, Switches) 3	10 20
	Fixtures 15	2 50
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	45 70

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 45 70

Processed by _____ Spec. Cond. _____

Permit No. 80-2539 Validation _____ Date 8-15-80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT			
ROUGH WIRING OK	8/5/80	H.R.L	
NEW SERVICE			
FIXTURES OK	9/12/80	H.R.L.	
FINAL ELEC. INSP. OK	9/12/80	H.R.L	
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

/2459 ARROW HWY.

BUILDING PERMIT

BERNARDINO COUNTY

On	By	Application Date	Plans	Plot	Gr.	Type Con.	Fire Zone	Plan No.
0	MM	1-10-78						

Index No. 124-85

Permit Number 55641

Date Permit Issued

Use Number # 21

To be filled in by Applicant — PLEASE PRINT OR TYPE

Owner's Name THACO — Steve Hamre Dist — Phone No. 987-2521

Owner's Mailing Address 12459 Arrow Hwy — City ETIWANDA — Zip 91739

JOB SITE ADDRESS SAME — CITY

Lot No. — Block No. — Tract No.

Sec. — Twn. — Rng.

Intended Permit Use: Cel 9 Compressor Roof Cover

Lot Dimensions	No. Stories	No. Bedrms.	No. Dwell. Units	No. Dwell. Units Now on Lot	No. Fireplaces

No. Bldgs. Now on Lot — How Used

Contractor O/B — When Plans Checked Notify

Contractor's Mailing Address — City — Zip — Phone No.

FLOOR	EXT. WALLS	INT. WALLS	CEILING	ROOF	HEATING	SEWAGE SYSTEM
Conc.	Masonry	Masonry	Open Beam	Wood	Elect.	Public
Wood	Frame	Frame	Plaster	Comp. Sh.	Nat.Gas	Private
	Stucco	Plaster	Sheetrock	Built-up	L.P.G.	
	Siding	Sheetrock	Wood	Metal	Oil	Min.Depth
	Metal	Wood	Fiber Board	Tile	Solid	S.F./100 gal.

	Sq. Ft.	Factor P.S.F.	Adjusted Area or Valuation
1			
2			
3			
Gar.			
Porch			
F.P.			
Valuation $ 3500			Adjusted Area
Grading			Cu. Yds.

ELECT.

PLUMB.

MECH.

Plan Check Fee	$ 21	115
Const. Fee	33	—
Elect. Fee		
Plumb. Fee		
Mech. Fee		
Grading Fee		
Misc. Fee		
Permit Fee		
TOTAL FEE	$ 54	115

VALIDATION SPACE OR RECEIPT NO. Cash/Check

Receipt 350345 C/K 8545

ONTARIO COMPLETED DATE: 2-

CERTIFICATION OF APPLICANT FOR BUILDING PERMIT

I have read this application and agree to comply with all laws regulating construction. I certify that in the performance of this work I shall not employ any person in any manner violating Workers' Compensation laws.

California Health & Safety Code, Sec. 17922.6, requires applicants for building permits to show that a Division of Industrial Safety permit has been obtained, unless the applicant signs this Certificate below.

☐ I certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit from that division.

Division of Industrial Safety Permit No. — 12/9/77

Owner's Signature Mark Kelton — License No.

Contractor's Signature — License No.

DEPARTMENT USE ONLY

By — AP No. — Plan Check Valuation

ZONE

Minimum Setback Distances

Front Setback from Center Line — R/W

Rear Setback from Rear Property Line — R/W

Side Street Setback from Center Line

Side Setback from Property Line

Side Setback from Property Line

NOTE:

STRUCTURE	PLUMBING				HEATING & AIR COND.				ELECTRICAL
SETBACK	LAVATORY		TOILET		GAS PIPE		COOLER		
EXCAVATION	BATHTUB		FL. DRAIN		FL. FURN.		REFRIG.		
FORMS	SHOWER		SEWER		WALL FURN.		A.C. UNIT		
FOUND. REINF.	SINK		SEPTIC TANK		F.A.U.		HEAT PUMP		
REINF. STEEL	LAUND. TUB		SEEP. PIT		WATER HTR.		FIREPLACE		
GROUT	GARB. DISP.		LEACH LINE		BOILER		GAS CONV.		
BOND BEAM	DISH WASH.		GR. TRAP		INCINER.		L.P.G.		
LUMBER GR.	URINAL		DRINK FTN.		VENT		NAT. GAS		
FRAMING					DRYER				
ROOFING									
VENTILATION									

BATH VENT.	GROUND PLUMB.	GAS (ROUGH)	GROUNDING RANGE
UNDERFL. VENT	ROUGH PLUMB.	HEATING (ROUGH)	BONDING DRYER
ACCESS HOLE	SEWER	WATER HEATER	ROUGH WIRING
GAR. FIREPROOF	SEPTIC TANK	EVAP. COOLER	SERVICE COND. SIZE
LATHING	SIZE	A.C. UNIT	SERVICE WIRE SIZE
MESH	SEEP. PIT	REFRIGERATION	SERVICE GROUND SIZE
PLASTER	SIZE	DUCT WORK	AMP. VOLTS
FIREPLACE	LEACH LINE	SPARK ARREST.	NO. BR. CIRCUITS
INSULATION/SOUND	WATER SYS.	HEATING (FINAL)	TEMP.
CERT. OCC.	FINAL INSP.	GAS (FINAL)	FINAL

N.

W. E.

S.

FINAL O.K. 4-12-78
Wm Mark Kellner
Eng. W/ American Telecom
R.B.L.

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- BUILDING
- ELECTRICAL
- MECHANICAL
- PLUMBING
- GRADING
- NEW SFD
- ADDN APT
- ALTER DUPLEX
- REPAIR COMM

PERMIT NO 7965

JOB ADDRESS 12459 Arrow Hwy

SUBDIVISION LOT

OWNER Amern Steel/Noble TELEPHONE

CONTRACTOR Ken Electric ADDRESS TELEPHONE

CITY BUSINESS LIC # 738 STATE LIC # 505520 ARCH./BLD. DESIGNER TELEPHONE

ENGINEER TELEPHONE LABOR APN

FLOOR AREA	VALUATION	GROUP	MAX OCC	TYPE
20,180		B-4		II-N
LOT AREA 4.9 acres	DWELLING UNITS	FIRE ZONE 3	STORIES 1	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED	

PROPOSED WORK/REMARKS Electrical for new wire mill Storage Bldg. as per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK/STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE	4-5-79	J-H
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL	6-5-79	J-H
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL		
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

BUILDING
ELECTRICAL
MECHANICAL
PLUMBING
GRADING
NEW SFD
ADDN APT
☐ ALTER ☐ DUPLEX
☐ REPAIR COMM

PERMIT NO 79-276

JOB ADDRESS 12457 Arrow Hwy.	SUBDIVISION		LOT
OWNER Jamco	ADDRESS		TELEPHONE 77250
CONTRACTOR Jamco O/B	ADDRESS		TELEPHONE
CITY BUSINESS LIC. # 270	STATE LIC. #	ARCH./B.D. DESIGNER	TELEPHONE
ENGINEER	TELEPHONE	LENDER	APN

FLOOR AREA	VALUATION	GROUP	MAX. OCC	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED	

PROPOSED WORK/REMARKS
Constr. 30'x75' Maint. Bldg. add. weld shop per plan on file

INSPECTOR WORK SHEET

Part

TYPE OF INSPECTION		DATE	INSPECTOR
ROUGH GRADING		4-19-79	J-L.
FOUNDATION/SET BK STL			
UNDERFLOOR SLAB	ELEC		
UNDERFLOOR/SLAB	MECH		
UNDERFLOOR/SLAB	PLUMB	4-19-79	J-L.
UNDERFLOOR			
ELECTRIC ROUGH			
MECHANICAL ROUGH			
PLUMBING ROUGH			
FRAME ROUGH			
LATH OUTSIDE			
INSULATION			
WALLBOARD			
MASONRY/FIREPLACE			
GAS SERVICE			
SEWER SERVICE		4-19-79	J-L
ELECTRICAL SERVICE			
GAS APPLIANCE			
FIRE DETECTOR			
ELECTRICAL FINAL			
PLUMBING FINAL			
MECHANICAL FINAL			
BUILDING FINAL		6-5-79	J-L.
GRADING FINAL			
DRIVEWAY FINAL			
CERTIFICATE OF OCCUPANCY			

JK 12

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

Building Address 12459 ARROW RT. | Block | Tract

Lot No

Owner TAMCO

Mailing Address PO BOX 325

City ETIWANDA | Zip 91739 | Tel 987 2521

Contractor KENT ELECTRIC

Address 11631 INDUSTRY AVE

City FONTANA | Zip 92335 | Tel 829 7966

State Lic & Classif C10 305570 | City Lic No

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 00075310ST Company [illegible]

☒ Copy is filed with the city ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This portion need not be completed if the permit is for one hundred dollars ($100) or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 5/2/88

Signature of Applicant

Mailing Address 11631 INDUSTRY AVE

City, State, Zip FONTANA CA 92335

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
11	Outlets (Receptacles, Lights, Switches)	5 50
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg @	7 00
	Plan Chk. Fee / Issuance Fee	12 50

TOTAL ELECTRICAL FEES

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	

Plan Chk. Fee / Issuance Fee

TOTAL MECHANICAL FEES

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	

Plan Chk. Fee / Issuance Fee

TOTAL PLUMBING FEES CASH

TOTAL ELEC., MECH., PLMBG. FEES 12 50

Processed by

Spec. Cond.

Validation

Permit No. 88-5116

Date 5/2/88

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION REC		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

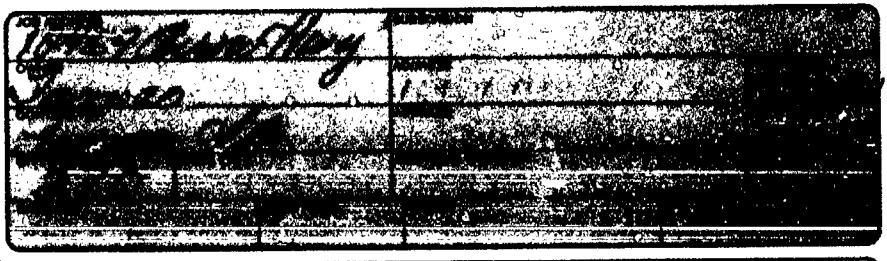
INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT



- ( ) BUILDING
- ( ) ELECTRICAL
- ( ) MECHANICAL
- ( ) PLUMBING
- ( ) GRADING

- [ ] NEW [ ] SFD
- [ ] ADDN [ ] APT
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM.

PERMIT NO. 79-276

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS

Constr. 30'x75' Maint. Bldg. add. weld shop per plan on file

INSPECTOR WORK SHEET

Part

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING	4-19-79	J.M.
FOUNDATION/SET BK /STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB	4-19-79	J.M.
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE	4-19-79	J.M.
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	6-5-79	J.M.
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

12459 ARROW HWY

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

OK Fried

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			Tel.
Address			
City		Zip	State Lic. No.
Proposed Construction	LIABLE SUPPORT STRUCTURE FOUNDATION		
Sq. Ft. Size		No. Stories	No. Dw. Units

New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions: Plan check fee based upon actual consultant billing for same

VALUATION: $ 10,000

FEES		
	PLAN CHECKING FEE	110 00
	PERMIT FEE	80 50
	DRAINAGE FEE	
	SYSTEMS FEE	~~100 00~~
	BEAUTIFICATION FEE	
	PARK FEE	
	OTHER	
	TOTAL	190 50

Processed By | School Fee Recpt. # | Validation | Date 12/17/80

Permit No. 80-4101

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 12/16/80

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3700, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 12/16/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jn., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	2/5/81	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		

INSPECTION NOTES

[redacted]

12459 Arrow Hwy

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HIGHWAY RTE				
Lot No.	Block	Tract	No. Stories	Type Const.	Occ. Group
Owner	TAMCO		Occ. Load	No. Dw. Units / Use Permit Required ☐	Des. Rev. Required ☐
Mailing Address	12459 ARROW	PO Box 325	No. Bedrooms	Lot Size Size	APN
City	ETIWANDA	Zip 91739 Tel. 987-2521	CCWD Appr. Required ☐	H.D. Appr. Required ☐ / F.D. Appr. Required ☐	D.A. Appr. Required ☐
Contractor	OWNER		Special Conditions:		
Address	SAME				
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch. / Engr. Designer	G. H. GRIFFIN				
Address	AMERON CORP.	Tel.			
	MONTEREY PARK	Zip State Lic. No.			
Proposed Construction	COOLING BED Control House		VALUATION: $	4000.00	
Sq. Ft. Size	187	No. Stories 1 / No. Dw. Units	FEES: PLAN CHECKING FEE	PD 120583 PC# 83-5605	37.88
New ☒	Add. ☐ Alter. ☐ Repair ☐ Demolition ☐		PERMIT FEE		50.50
			DRAINAGE FEE	1-13-84 PAID 84-197	—
			SYSTEMS FEE		48 00
			BEAUTIFICATION FEE		
			PARK FEE	pd Check	
			OTHER	+ pd Cash	
Processed By		School Fee Recpt. #	TOTAL		98 50
Permit No.	84-289	Validation		Date	1-20-84

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 3019 OR 053498 Company Ameron Ins. Co.

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building constructions, and hereby authorize representatives of this city to enter above-mentioned property for inspection purposes.

Signature of Applicant TAMCO Manager 1/25/83

Mailing Address 12459 ARROW HWY

City, State, Zip ETIWANDA

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	8-16-84	

Signed per Resinspector's for-site inspection

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Sl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
[illegible]BER:		
[illegible]HOOF:		
[illegible]ISH:		

INSPECTION NOTES

J-K-13

BUILDING AND SAFETY DIVI

city of rancho cucamonga

9326 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Highway		
Lot No. Par. 2	Block 121	Tract PM 2421	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	Etiwanda	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer	Ely Energy, Inc.		
Address	11385 E. 60th Place So.		Tel. 918-250-66
City	Tulsa, OK	Zip 74146	State Lic. No.
Proposed Construction	LP Gas Storage Tanks		
Sq. Ft. Size	3,000	No. Stories 1	No. Dw. Units
New [X]	Add. [ ]	Alter. [ ]	Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size		APN 227-121-33
Approved Plan. Div. 89 P113/89	Approved Eng. Div. 11/29/89		Approved Fire Dist.
Special Conditions:	As per conditions listed in 11/30/89 letter.		

VALUATION: $ 200,000

FEES

PLAN CHECK	89-10271	
PERMIT		699.00
DRAINAGE		
SYSTEMS		
BEAUTIF	OK	
PARK		
OTHER		
Fire Clearance 89	School Fee Paid Verified	TOTAL 699.00
Permit No. 89-14358	Validation	Date 12/14/89

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[X] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[X] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 19 Dec 89 Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy to be filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[X] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 12 Dec 89

Mailing Address P.O. Box 325

City, State, Zip Etiwanda, CA 91379

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION (Gr. Const. Comp. Term. Setbacks, Forms, Reinf. Steel, Foundation)	12/13/89	DP
FLOOR SLAB JOISTS (Under Floor Work, Vap. Barrier, Plbg., Frame, Accessibility, Termite)		
MASONRY (Reinf. Mortar, Grout, Lintel, Chimney) Walls	12/15/89	DP
ROOF SHTG. (Sheathing, Fire Blocking, Attic Ventilation, Grade, Roof Drainage)		
FRAMING (Shear, Bracing, Drag Struts, Hardware, Rafter Ties, Ridge Beam, Joist Hangers)		
INSULATION (Attic, Wall, Floor, Exterior Envelope)		
LATH/WALLBOARD (Fire Taping, Shear Nailing, Exterior Lath)		
EXTERIOR (Attic Vents, Eaves, Soffits, Flashings, Paper, Termite Shield)		
FINAL (Gas Piping, Electrical, Mechanical, Plumbing, Fire Sprinklers, Exterior Lighting, Address Numbering, Handrails, Weather-Stripping, Insulation, Lath)	6-25-90	J.J. All corrections done.
SWIMMING POOL/SPA		
EXCAV. (Rebar, Setbacks, Pad Certification, Bonding, Exp. Soil, Pump Location, Drainage, Spa Heater)		
FENCE/GATE (Height, Separation, Latches, Clearance)		
FINAL INSPECTION (Pool Fence)		
MISCELLANEOUS		
SPRAY PAINT BOOTH		
RETAINING WALL		
SOLAR (Collector, Piping, System)		
VENEER		
RE-ROOF		
SIGN(S)		

INSPECTION NOTES

6-2-90 Finaled by FFD
Jay Tim Feegleau

J-K-14

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Azzaro Hwy
Lot No. / Block / Tract:
Owner: TAMCO
Mailing Address: P.O. Box 325
City: Fontana Zip: 92329 Tel: 714-987-2521
Contractor: TAMCO - owner
Address:
City: Zip: Tel:
State Lic. & Classif.: City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date: 2-Feb-90 Owner: [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing information declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 2-Feb-90

Mailing Address: _____

City, State, Zip: _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. .....@.....	
	Sq. Ft. Area New Res. Accessory Bldg. .....@.....	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee ..... Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	1	Gas System (No. Outlets. 1 .....)	3 50
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	Cust
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other Repipe System	3 50
	Plan Chk. Fee ..... Issuance Fee			7 00
	TOTAL PLUMBING FEES			14 00

TOTAL ELEC., MECH., PLMBG. FEES 14 00

Processed By: [signature] Spec. Cond.:

Permit No. 90-9440 Validation: R Date: 2/2/90

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECO		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports	2/6/90	
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST	2/6/90	
FINAL PLMBG. Fixtures, Valves, Services	6-25-90	J.G.
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.	6/27/90	
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address	12459 Arrow Highway
Lot No. / Block / Tract	
Owner	TAMCO
Mailing Address	P.O. Box325
City / Zip / Tel.	Etiwanda / 91739 / 714 987-2521
Contractor	CDK
Address	1490 Rubidoux Blvd.
City / Zip / Tel.	Riverside CA / 92509 / 782-8208
State Lic & Classif	419618-A-B-C10
City Lic No	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

✓ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P.C. for the reason: _____

Date 1-29-90 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT. If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 1-29-90

Mailing Address P.O. Box 325 1490 Rubidoux Blvd. 92739

City, State, Zip Etiwanda CA Riverside, Ca. 92509

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 1 600-A 480V)	37 50
11	Outlets Gen Lts & Recps (Receptacles, Lights, Switches)	3 25
0	Fixtures 7.50 7.50 7.50 7.50	30 00
4	Motors (HP ea. 7.5HP 10HP 10HP 1.5HP 200HP 5HP 5HP 3/4HP)	60 00
0	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. 0 @	
	Sq. Ft. Area New Res. Accessory Bldg. 210 @	
	Plan Chk Fee 88 Issuance Fee	15 88
	#90-127 TOTAL ELECTRICAL FEES	150 75

MECHANICAL SYSTEM

No.	Description	No.	Description
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm
	Vent Fan Includ. Duct		Other:
	Plan Chk. Fee		Issuance Fee
	TOTAL MECHANICAL FEES		

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 150 75

Processed by PB Spec. Cond.

Permit No. 90-3129 Validation CV Date 4-17-90

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION REC		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.	6-15-90	CB
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.	6/27/90	NS
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

5-11-90 ~ Need to be inspect
Items 3-4-#6 Dated ~ 4-23-90
Correction list.

6-13-90 Poor Tag CB

SEWER/PRIV. DISP. SYSTEM DIAGRAM

J-K' 13

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW ROUTE		
Lot No.	Block	Tract	
Owner	AMERON WIRE & STEEL		
Mailing Address	12459 ARROW ROUTE		
City	ETIWANDA	Zip 91739-0000	Tel.
Contractor	SOUTHERN CAL EQUIP. CO		
Address	1334 W. GLADSTONE ST		
City	AZUSA	Zip 91790	Tel. 818-334-0805
State Lic. & Classif.	458771 C-61	Bus. Lic. pending	
Arch., Engr., Designer	RAULSON ENG.		
Address			Tel.
City	GLENDORA	Zip	State Lic. No. S-1608
Proposed Construction	PERSONNEL PLATFORM FOR AIR SYSTEM ON ROOF W/ ACCESS LADDER ON EXTERIOR		
Sq. Ft. Size	No. Stories	No. Units	

New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group M-1
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Area		APN 229-13-03
Approved Plan. Div. 9/11/89	Approved Eng. Div.		Approved Fire Dist.
Special Conditions:			

VALUATION: $ 12,000

FEES		
PLAN CHECK	#89-13180	92.50
PERMIT		
DRAINAGE		
SYSTEMS		
BEAUTIF		
PARK		
OTHER		
Reviewed By	School Fee Verified	TOTAL 92.50
Permit No. 89-13559	Validation	Date 10-4-89

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Date ____ License Class ____ License No. ____

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

◯ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

◯ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

◯ I am exempt under Sec. ____ B. & P. C. for this reason ____

Date ____ Owner ____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 106404-89 Company STATE FUND

☒ Copy is filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 9-8-89

Mailing Address 1334 W. GLADSTONE ST

City, State, Zip AZUSA, CA. 91702

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Or Caisn Comp Tests Setbacks Forms, Reinf, Steel Excavation		
FLOOR SLAB(S): Underfloor, Piers/Pilings Mech Work Forms Slbg, Spans, Anchor Bolts		
MASONRY: Reinf, Mortar Jnts, Lintels Fill Cleanouts, Bolts		
ROOF SHTG: Nailing, Blocking, Attachment Bracing Insulation Roof Covering		
FRAMING: Walls, Partitions, Floors, Ceilings Insulation, Draftstopping, Fireblocking		
INSULATION: Wall, Floor, Ceiling, Roof Vapor Barrier		
FIREWALLS: Fire Walls, Fire Partitions, Fire Stops, Fire Protection		
WATER PIPING: Test, Shock Arrestors, Backflow Devices, Pressure Reducing, Supply Lines, Hose Bibbs, Water Heater Strapping, T&P Valve, Vent		
EXTERIOR LATH: Weather Resistive Barrier, Paper, Flashing, Weep Screed		
FINAL INSPECTION: Gas Piping, Vents, Combustion Air, Chimneys, Fireplaces, Vent Dampers, Insulation, Fire Doors, Exits, Fire Dampers, Smoke Detectors, Occupancy Separations, Hazardous Materials, Handicapped Requirements, Address Numbers, Weather Stripping, Final Clean	4/11/90	
SWIMMING POOL/SPA		
BARRIER REQMTS: Height, Gate Closure & Latching, Door Alarms, Setbacks, Radius Of Curvature, Bonding, Decking, Slope, Water Heater, Valves, Drains, Spa Cover, Lighting, Electrical Requirements		
FENCE/GATES: Height, Gate Closure & Latching, Door Alarms, Setbacks, Radius Of Curvature, Bonding, Decking, Slope, Water Heater, Valves, Drains, Spa Cover, Lighting, Electrical Requirements		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH		
RETAINING WALL		
SOLID WASTE DISPOSAL SYSTEM		
VENEER		
RE ROOF		
SIGN(S)		

INSPECTION NOTES

Industrial Wire is the Owner of this permit

1st Reshed notice sent 4/29/90 dr

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW HWY.

Owner: AMERON STEEL

Mailing Address: 12459 ARROW HWY | Zip | Tel.

City: FONTANA

Contractor: WHITTAKER ELECT. CO.

Address: 383 So. J ST.

City: SAN BNDO | Zip: 92410 | Tel.: 889-9895

State Lic. & Classif.: 16495 C10 | City Lic. No.: 14042

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code).

Policy No. PC 116805 Company GREAT AMER.

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 1/14/80

Signature of Applicant: WEC

Mailing Address: 383 So. J St.

City, State, Zip: San Bndo Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 60 AMP)	10 —
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 —
	TOTAL ELECTRICAL FEES	17 —

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 17 —

Processed by: BM | Spec. Cond.:

Permit No.: 80-127 | Validation: JC | Date: 1/14/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW RT.		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	Owner		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer	DONALD R. WARREN CO.		
Address	930 W. SUNSET BLVD	Tel. 213-626-0101	
City	LOS ANGELES	Zip 90012	State Lic. No.
Proposed Construction	BUILDING ADDITION		
Sq. Ft. Size	5,000	No. Stories 1	No. Dw Units

New ☐ Add. ☒ Alter ☐ Repair ☐ Demolition ☐

No. Stories	1	Type Const.	II-N
Occ. Group	B-2	Occ. Load	
No. Dw. Units		Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms		Lot Size Size	APN
Approved Plan. Div.		Approved Eng Div.	Approved Fire Dist.

Special Conditions: PC, 87-110 87

VALUATION: $ 100,000

FEES		
	PLAN CHECK	442 00
	PERMIT	
	DRAINAGE	
	SYSTEMS	
	BEAUTIF	
	PARK	
	OTHER	
Processed By	RMJ	School Fee Amt. Verified RMJ 11/23/87
	TOTAL	442 00

Permit No. 87-15240 Validation CP Date 11-23-87

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code), or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____, B & P.C. for this reason _____

Date 11-23-87 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 11-23-87

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR'S COPY

INSPECTION RECORD

FOUNDATION: (Or Certif. Comp. Tests, Setbacks) Forms, Reinf. Steel, Excavation	12-1-87	Thomas
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains	5-23-88	RL
FRAMING: Walls, Raft. Jsts., Blocking, Bracing, Nailing, Backing, Diaphr., Draft Stops	5-23-88	RL
INSULATION: Thickness, R Values, Piping, Sound Caulking		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links,		
INTERIOR LATH, DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH, SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing	5-23-88	RL
FINAL INSPECTION: Finish Grading, Certif., Slope, Plant, Energy Comp. Card Posted, Pks. Access, Fire Lanes, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, PI. Engr., Cert.	9/14/92	L

SWIMMING POOL/SPA

EXCAV., REINF., SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge, Spa Ident.		
FENCE, GATES: [illegible] Closers, Accessibility, Latches, Stability		
FINAL INSPECTION: Pool Cover		

MISCELLANEOUS

SPRAY PAINT BOOTH		
PLASTERING		
[illegible]		
[illegible]		
[illegible]

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW ROUTE

Lot. N.: Block: Tract:

Owner: AMERON

Mailing Address: P.O. BOX 8

City: ETIWANDA Zip: 91739 Tel: 899 1723

Contractor: KENT ELECTRIC CO

Address: 1631 INDUSTRY AVE

City: FONTANA Zip: 92335 Tel: 829 7966

State Lic & Class: C10 305570 City Lic No: PENDING

LICENSED CONTRACTOR'S DECLARATION

☑ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project

○ I am exempt under Sec. ____ B & P.C. for the reason: ____

Date ____ Owner ____

WORKERS COMPENSATION DECLARATION

☑ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. COOO753106 Company Calif. Casualty

○ Copy is filed with the city ○ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 9/9/87

Mailing Address ____

City, State, Zip ____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
2	Outlets (Receptacles, Lights, Switches)	100
	Fixtures	
	Motors (HP ea. ~~+ 3/4 HP~~)	
	Other (Specify BOILER, 120 V)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	8 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			WAIVED

TOTAL ELEC., MECH., PLMBG. FEES 8 00

Processed By: [signature] Spec. Cond.:

Permit No. 87-12499 Validation: SM Date: 9-9-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECO			INSPECTOR NOTES
ELECTRICAL — UNDERGROUND CONDUIT			
ROUGH WIRING	3-23-92	RLe	
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.	9/14/92	Q	
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
MECHANICAL — U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
PLUMBING — U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
SWIM POOL / SPA — BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY [redacted]ION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	12459 ARROW, PO BOX 325		
City	ETIWANDA	Zip 91739	Tel 987-2521
Contractor	OWNER/METRO STEEL BLDG'S		
Address	1520 W ROOSEVELT ST.		
City	AZUSA	Zip 91702	Tel 818 334-5121
State Lic. & Classif.	147878 B1	City Lic. No.	
Arch., Engr. Designer	RICHARD O. PARRY		
Address	220 F S. INDIAN HILL BLVD		Tel 714 626-8005
City	CLAREMONT	Zip 91711	State Lic. No. 14342
Proposed Construction	2-BAY ADDITION TO EXISTING STEEL BLDG.		
Sq. Ft. Size	3570	No Stories 1	No Dw. Units
New ☐	Add. ☒	Alter ☐	Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
Approved Plan. Div.	ALL 2-27-86	Approved Eng. Div. 3/10/86	Approved Fire Dist.

Special Conditions: EXTERIOR FINISH TO MATCH EXISTING PORTION OF BLDG.

VALUATION: $

FEES		
PLAN CHECK		
PERMIT	343	00
DRAINAGE		
SYSTEMS		
BEAUTIF.		
PARK		
OTHER		
Processed	School Fee Pmt. Verified	TOTAL 343 00

Permit No. 860235 Validation [redacted] Date 10-15-86

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 2/20/86 Owner TAMCO BY [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 2015 00-053498 Company WAUSAU

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant TAMCO [signature] Date 2/20/86

Mailing Address PO BOX 325

City, State, Zip ETIWANDA, CA 91739

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	3-23-00	RL
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.	3-23-00	RL
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING Mesh, Fasteners, Laps, Paper, Thickness, Backing.	3-23-00	RL.
FINAL INSPECTION Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/14/92	L
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sfl., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES Height, Closers, Accessibility, Latches, Stability		
FINAL INSPECTION Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH		
RETAINING WALL		
DUST COLLECTION SYSTEM		
VENEER		
RE ROOF		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW ROUTE

Lot No | Block | Tract

Owner: TAMCO

Mailing Address: 12459 ARROW ROUTE

City: ETIWANDA CA | Zip | Tel

Contractor: ADVANCE MECHANICAL CONTRACTORS INC

Address: 1456 E. HILL ST.

City: LONG BEACH CA | Zip: 90806 | Tel: (213) 426-1725

State Lic & Class: 262042 A,C-36 | City Lic No: pending

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____ B & P.C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code)

Policy No. 4C-03746-86-4 Company USF+G

○ Copy is filed with the city ☒ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Bart Bartolomei Date: 3-5-87

Mailing Address: SAME

City, State, Zip: _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size .....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. ..... @	
	Sq. Ft. Area New Res. Accessory Bldg ..... @	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	3	Gas System (No. Outlets 1)	10 50
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	7 00
	TOTAL PLUMBING FEES			17 50

TOTAL ELEC., MECH., PLMBG. FEES 17 50

Processed By: RM | Spec. Cond.

Permit No. 87-3369 | Validation: OK | Date: 3-5-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION REC		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services	9/14/92	B
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

GASLINE GOING FROM HIGH PRESSURE TO LOW PRESSURE W/2 VAULTS FOR REGULATORS. O.K. TO COVER GAS LINE TO THE VAULTS (LINE 4' DEEP) CS 3/1/93

SEWER/PRIV. DISP. SYSTEM DIAGRAM

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY D[redacted]ON

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

Building Address: 12454 ARROW HWY

Lot No. | Block | Tract

Owner: TAMCO

Mailing Address: 12454 ARROW HWY

City: RANCHO CUCA | Zip: 91730 | Tel: 987-2521

Contractor: B+A CONSTRUCTION

Address: 10747 FREMONT

City: ONTARIO | Zip: 91761 | Tel: 714 623-2427

State Lic & Class: 504541 A | City Lic No: 3601

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. C2713680 3 Company PACIFIC EMP. INS.

⊗ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [redacted] Date 11/2/87

Mailing Address 10747 FREMONT AVE.

City, State, Zip ONTARIO, CALIF. 91761

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks /		Sewer Conn.	10 00
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee Check	17 00
	TOTAL PLUMBING FEES			17 00

TOTAL ELEC., MECH., PLMBG. FEES 17 00

Processed By: T Patel | Spec. Cond.

Permit No. 87-14748 | Validation: 19K | Date: 11-4-87

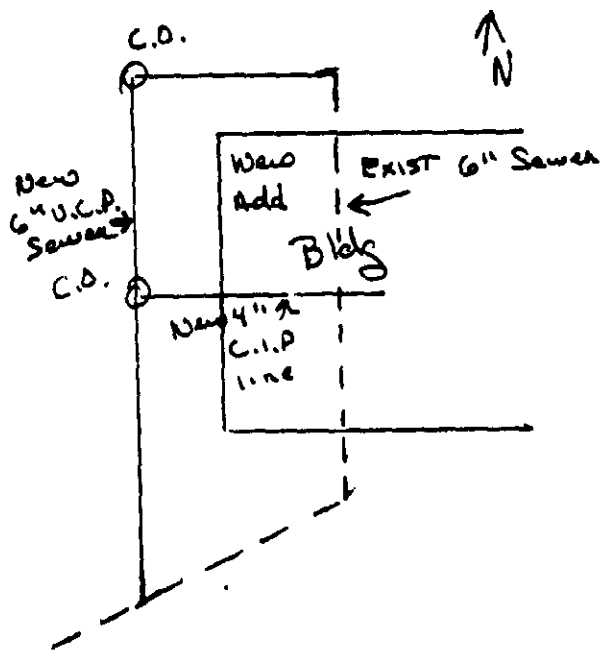
This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REQUIRED	DATE	INSP. SIGN.
	UNDERGROUND CONDUIT		
	ROUGH WIRING		
	NEW SERVICE		
	FIXTURES		
	FINAL ELEC. INSP.		
	TEMP. POWER POLE		
	OTHER		
	OTHER		
	ELEC. UTILITY CLRNCE.		
	U. G. DUCTS/REFRIG. LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs		
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports		
PLUMBING	RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
PLUMBING	GAS TEST		
PLUMBING	FINAL PLMBG. Fixtures, Valves, Services	9/14/92	
PLUMBING	WATER HTR. Vent, Valves, Press, Rel. Valve		
PLUMBING	SEWER/PRIV. DISP. SYSTEM	11 5 87 ZM	
PLUMBING	OTHER + CAST BLG DRAIN		
PLUMBING	OTHER		
PLUMBING	GAS UTILITY CLRNCE.		
SWIM POOL / SPA	BONDING		
SWIM POOL / SPA	U.G. CONDUIT		
SWIM POOL / SPA	GAS PIPING Material, Depth		
SWIM POOL / SPA	GAS TEST		
SWIM POOL / SPA	HEATER Vent, Clearance, Location, Shut-off		
SWIM POOL / SPA	FINAL POOL ELEC.		
SWIM POOL / SPA	FINAL POOL PLMBG.		
SWIM POOL / SPA	OTHER		

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM



BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : ~~12451~~ 12459 ARROW RTE

PERMIT NO. : PMT2005-05946

VALUATION :

ISSUED : November 29, 2005

PROJECT DESCRIPTION : TEAR OFF EXISTING COMP AND REPLACE WITH 50 SQ OF SAME

Owner
CMC STEEL FABRICATORS INC
PO BOX 2219
RANCHO CUCAMONGA, CA 91729-2219

Telephone :

Contractor
HULL & SONS ROOFING
8960 JURUPA
RIVERSIDE, CA 92509

Telephone : 909-685-9499

License No.
CON554747 C29

Description	Const. Type	Units
Re-Roofing (Composition)		50

Work Covered
BLD : Y ELE :
MEC : PLM :
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINAL 2/28/06 DD

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Misc. Inspection Fee 2	BS3	1086	$85.61
Permit Fee:			**$85.61**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11/29/05

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code, and my license is in full force and effect

License Class: C39 Lic. No. 554797

Date 11/29/05 Contractor _____

****

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the following reason :

_____

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. ____, B.& P.C. for this reason:

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

☐ Carrier _____ Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued.

LENDERS NAME _____ LENDERS ADDRESS _____

City of Rancho Cucamonga, Building & Safety handouts are intended to provide certain general information regarding minimum, approved City code standards and/or structural engineering requirements typical of construction authorized by the permit referenced on the reverse. No warranty, expressed or implied, is made as to the adequacy of the information included in the handout for use on a particular construction project.

The user of the attached handout may want to seek professional advice or opinion from engineers, architects and/or experienced contractors regarding quality controls, construction techniques and methods, and performance standards for the project.

I HEREBY ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THE FOREGOING.

PLEASE INITIAL _____

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE INFORMATION IS CORRECT. I AGREE TO COMPLY WITH ALL CITY AND COUNTY ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION, AND HEREBY AUTHORIZE REPRESENTATIVES OF THIS COUNTY TO ENTER UPON THE ABOVE-MENTIONED PROPERTY FOR INSPECTION PURPOSES.

_____ 11/29/05

SIGNATURE OF APPLICANT OR AGENT **DATE**

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? YES NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? YES NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? YES NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? YES NO
5. Will the facility have any of the following equipment? YES NO

Charbroiler	Dry Cleaning machine
Spray Booth	Printing press
Internal combustion engine > 50 h.p.	Boiler/combustion equipment >2 Mil BTU/hr input
Abrasive blasting cabinet / room	Baghouse / cartridge-type dust filter / scrubber
Motor fuel storage and disposing equipment	

6. Will any of the following operations be performed? YES NO

Applications of paint or adhesives.	Etching, plating, casting, or melting of metals.
Molding, extruding or curing of plastics.	Mixing and blending of liquids and/or powders
Storage of acids, solvents, organic liquids, or fuels.	Production of fumes, dust smoke or strong odors.

YES answers any of items 1 – 4, please contact San Bernardino County Environmental Health 909/386-8430

YES answers to items 5 or 6, please contact South Coast Air Quality Management District 800/388-2121

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 ARROW | **PERMIT NO. : PMT2008-01093**

APN NUMBER : 022912135-0000 ISSUED : June 23, 2008

PROJECT DESCRIPTION : 60'X90' DETACHED STEEL CANOPY STRUCTURE & FOUNDATION TO HOUSE MECHANICAL EQUIPMENT

Owner
CMC STEEL FABRICATORS INC
PO BOX 2219
RANCHO CUCAMONGA, CA 91729-2219

Telephone :

Contractor
FRIZE CORPORATION
16605 GALE AVENUE
CITY OF INDUSTRY, CA 91745

Telephone : (626)369-6088

License No.
CON483209 B HIC

Description	Const. Type	Units
Awning		1

Work Covered
BLD : Y ELE :
MEC : Y PLM :
FIR :

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Misc. Inspection Fee 2	BS2	1086	$1,030.16
F-Microfilm	MAF	4546	$18.00
Permit Fee:			**$1,048.16**

PERMIT EXPIRED

NO WORK DONE IN LAST 180 DAYS

Permit Holder Notified ___/___/___

Sign _____ Date ___/___/___

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 6/23/08

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : 12459 ARROW RTE | **PERMIT NO. : PMT2008-01935**

APN NUMBER : 022912135-0000 ISSUED : July 14, 2008

PROJECT DESCRIPTION : INSTALLATION OF TEMPORARY SALES TRAILER & ELECTRICAL (NORTH OF OFFICE BUILDING)

Owner
TAMCO STEEL
12459-B ARROW ROUTE
P O BOX 325
RANCHO CUCAMONGA, CA 91739
Telephone :

Contractor
TURN KEY ELECTRIC, INC.
8960 TORONTO
RANCHO CUCAMONGA, CA 91730

Telephone : (909) 987-0015

License No.
CON758638 C10

Description	Const. Type	Units
Commercial Coach (per unit)		1

Work Covered
BLD : N ELE : Y
MEC : N PLM : N
FIR : N

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty
Service/Sub Panels Each	1
Motor, Generator, Transformer	1
Miscellanous Apparatus, Conduits, and Conductors	1

Fees

Type	By	T.C.	Amount
ELE Issuance Fee	BS2	1079	$28.66
ELE Inspection Fee	BS2	1079	$85.97
Misc. Plan Review Fee 1 (46%)	BS2	1083	$131.59
Misc. Inspection Fee 1 (54%)	BS2	1086	$154.47
Permit Fee:			**$400.69**

Final
8/1/08

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 7/14/08

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: C10 Lic. No. 758638

Date 7/14/08 Contractor [signature]

****

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the following reason :

_____

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. ___, B.& P.C. for this reason:

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

☐ Carrier _____ Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 7/14/08 Applicant: [signature]

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued.

LENDERS NAME _____ LENDERS ADDRESS _____

City of Rancho Cucamonga, Building & Safety handouts are intended to provide certain general information regarding minimum, approved City code standards and/or structural engineering requirements typical of construction authorized by the permit referenced on the reverse. No warranty, expressed or implied, is made as to the adequacy of the information included in the handout for use on a particular construction project.

The user of the attached handout may want to seek professional advice or opinion from engineers, architects and/or experienced contractors regarding quality controls, construction techniques and methods, and performance standards for the project.

I HEREBY ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THE FOREGOING.

PLEASE INITIAL _____

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE INFORMATION IS CORRECT. I AGREE TO COMPLY WITH ALL CITY AND COUNTY ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION, AND HEREBY AUTHORIZE REPRESENTATIVES OF THIS COUNTY TO ENTER UPON THE ABOVE-MENTIONED PROPERTY FOR INSPECTION PURPOSES.

[signature] 7/14/08

SIGNATURE OF APPLICANT OR AGENT **DATE**

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? YES NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? YES NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? YES NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? YES NO
5. Will the facility have any of the following equipment? YES NO
   - Charbroiler
   - Spray Booth
   - Internal combustion engine > 50 h.p.
   - Abrasive blasting cabinet / room
   - Motor fuel storage and disposing equipment
   - Dry Cleaning machine
   - Printing press
   - Boiler/combustion equipment >2 Mil BTU/hr input
   - Baghouse / cartridge-type dust filter / scrubber
6. Will any of the following operations be performed? YES NO
   - Applications of paint or adhesives.
   - Molding, extruding or curing of plastics.
   - Storage of acids, solvents, organic liquids, or fuels.
   - Etching, plating, casting, or melting of metals.
   - Mixing and blending of liquids and/or powders
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1 – 4, please contact San Bernardino County Environmental Health 909/386-8430

YES answers to items 5 or 6, please contact South Coast Air Quality Management District 800/388-2121

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2010-01497**

APN NUMBER : 022913119-0000 ISSUED : July 28, 2010

PROJECT DESCRIPTION : 4,159 SQ FT TENANT IMPROVEMENT - THREE MELT SHOP ENVIRONMENTAL ENCLOSURES (TAMCO STEEL)

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
FRIZE CORPORATION
16605 GALE AVENUE
CITY OF INDUSTRY, CA 91745

Telephone : 626 786-9205

License No.
CON483209 B HIC
WORK4503-107

Description	Const. Type	Units
Partition-Commercial, Interior		9

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR : N

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Misc. Inspection Fee 1 (54%)	BS1	1086	$159.57
Permit Fee:			**$159.57**

PERMIT EXPIRED
NO WORK DONE IN LAST 150 DAYS
Permit Holder Notified __/__/__
Sign _____ Date __/__/__

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent [signature] Date 7/28/2010

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' Stete License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: B License No: 483209 Date: 7/28/10

Contractor Signature: [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
Policy No. _____

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

California Contractors | 4503-107 | 12/31/10
Carrier: | Policy Number: | Expire Date:

Jerry Austin | 800-592-0047
Name of Agent: | Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

[signature] 7/28/2010
Signature of Applicant: | Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or redioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

[signature] 7/28/2010
Signature of Owner, Authorized Agent or CA licensed contractor: | Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO : PMT2011-00158**

APN NUMBER : 022913119-0000 ISSUED : January 25, 2011

PROJECT DESCRIPTION : Electrical for T/I work at Tamco Steel (see pmt2010-01497) - lights and wiring for door motors

Owner

Telephone :

Contractor
COMMERCIAL ELECTRIC SYSTEMS, INC
1160 N VAN HORNE WY
ANAHEIM, CA 92806
Telephone : 714-890-0578 cell

License No.
CON795690

Description	Const. Type	Units

Work Covered
BLD : N ELE : Y
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINALED 4/13/11 mem

Electrical Fixtures

Fixture Type	Qty
Miscellanous Apparatus, Conduits, and Conductors	1
Fixture Device-Standard	12
Service/Sub Panels Each	3

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
ELE Issuance Fee	PAW	1079	$29.61
ELE Inspection Fee	PAW	1079	$148.02
ELE Plan Review Fee	PAW	1084	$57.32
Permit Fee:			**$234.95**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-25-2011

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2012-02352**

APN NUMBER : 022913119-0000 ISSUED : September 13, 2012

PROJECT DESCRIPTION : CONSTRUCT 30 FT ANTENNA POLE, CABLE CONDUIT INFRASTRUCTURE, EXTERIOR UPS AND STRUCTURAL FOUNDATION FOR "GERDAU"

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
KENT ELECTRIC
11631 INDUSTRY
FONTANA, CA 92337

Telephone : 951-681-2910

License No.
CON305570(B,C-10)

Description	Const. Type	Units
Lighting Pole		1

Work Covered
BLD : Y ELE : Y
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

C-10 PPL 10-1-12

Electrical Fixtures

Fixture Type	Qty
Service/Sub Panels Each	1
Outlet, Switch, etc.	3
Fixture Device-Standard	3
Motor, Generator, Transformer	2

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
ELE Issuance Fee	BS3	1079	$29.61
ELE Inspection Fee	BS3	1079	$148.02
Misc. Inspection Fee 2	BS3	1086	$118.63
Permit Fee:			**$296.26**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & stata laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 9/13/12

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: B C10 License No.: 305570 Date: 9/13/12

Contractor Signature: _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☑ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

EVEREST 7600007892111 10/1/12
Carrier: Policy Number: Expire Date:

CROSBY IWS 714-221-5200
Name of Agent: Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 9/13/12
Signature of Applicant: Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

_____ 9/13/12
Signature of Owner, Authorized Agent or CA licensed contractor: Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 ARROW RTE | **PERMIT NO. : PMT2012-02492**

APN NUMBER : 022913119-0000 ISSUED : January 16, 2013

PROJECT DESCRIPTION : ROUGH GRADING- 1129 CUT / 47 FILL FOR "GERDAU"

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
NOVI ENVIRONMENTAL INC
31879 CORYDON RD
SUITE 140
LAKE ELSINORE, CA 92530
Telephone : (951) 471-2033

License No.
CON711904

Description	Const. Type	Units
Rough Grading (Cut & Fill)		1,176

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINAL
PG
3-19-14

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Grading Inspection Fee (35%)	BS1	1082	$343.64
Permit Fee:			**$343.64**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

Date: _____

Signature of Property Owner or Authorized Agent: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: A License No.: 711906 Date: 1/16/13

Contractor Signature: _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

United agencies 7600006906121- 2/14/13

Carrier: Policy Number: Expire Date:

T. Bruno 626-322 8359

Name of Agent: Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Signature of Applicant: _____ Date: 1/16/13

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed contractor: _____ Date: _____

PMT2013-01044

TRACK TO MAST

LAND DEVELOPMENT DESIGN COMPANY, LLC

JN5038

March 14, 2013

City of Rancho Cucamonga
Building and Safety Department
P.O. Box 807
Rancho Cucamonga, CA 91730

Attn: Building and Safety Official

RE: Grading permit No. PMT 2012-02492
Address: 12459 Arrow Route
Parcel Map 7847 parcels 1-3, inclusive

I hereby approve the final grading for the referenced project in accordance with the responsibilities as defined in Appendix J of the latest California Building Code and as amended by the current adopting ordinance. Final grading has been completed substantially in conformance with the approved grading plan wich includes: completion of all engineered drainage devices and retaining walls, setting of all monuments and lot corners in accordance with the recorded tract map, location and inclination of all manufactured slopes, and construction of earthen berms and positive building pad drainage.

All structures including fences and walls constructed on property corners, property lines or elsewhere have been located in compliance with the approved plot plan or precise grading plan as applicable. All required and approved changes are as shown in the attachments and will be included in the "As-Built" grading plan.

Sincerely,

Kevin J. Richer
R.C.E. 43714, Lic. Exp. 3/31/15

REGISTERED PROFESSIONAL ENGINEER
KEVIN J. RICHER
No. 43714
LIC. EXP. 3/31/15
CIVIL
STATE OF CALIFORNIA

CITY OF RANCHO CUCAMONGA
BUILDING & SAFETY DEPARTMENT
APPROVED
By _____ Date 3/26/13

PLANNING **CIVIL** **SURVEYING**
2313 E. PHILADELPHIA ST., UNIT F • ONTARIO, CA 91761 • BUSINESS (909)930-1466 • FAX (909)930-1468

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 ARROW RTE | **PERMIT NO. : PMT2014-00457**

APN NUMBER : 022913119-0000 ISSUED : March 13, 2014

PROJECT DESCRIPTION : EGRESS LIGHTING IN WAREHOUSE

Owner
GERDAU AMERISTEEL
12459-B ARROW RTE
RANCHO CUCAMONGA, CA 91739

Telephone :

Contractor
ELECTRICAL WORK INC
20481 VIA PALO PINTO
MURRIETA, CA 92562

Telephone : (951) 698-7758

License No.
CON750259

Description	Const. Type	Units

Work Covered
BLD : ELE : C
MEC : PLM :
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINAL
BR 3-27-14

Electrical Fixtures

Fixture Type	Qty
Lighting Fixtures	7

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS1	1078	$2.85
ELE Inspection Fee	BS1	1079	$63.44
Permit Fee:			**$66.29**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/13/14

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DEPARTMENT COPY

OWNER-BUILDER DECLARATION

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_____

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_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: C10 License No.: 750259 Date: 3/13/14

Contractor Signature: _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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Policy No. _____

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Wesco WWC 3068680 10/1/14

Carrier: Policy Number: Expire Date:

Pittman Inv. 949 455 1866

Name of Agent: Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 3/13/14

Signature of Applicant: Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

_____ 3/13/14

Signature of Owner, Authorized Agent or CA licensed contractor: Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2013-00211**

APN NUMBER : 022913119-0000

ISSUED : May 07, 2013

PROJECT DESCRIPTION : 168SF CONVERT EXISTING OFFICE INTO WOMENS DRESSING ROOM ~ GERDAU

Owner
GERDAU AMERISTEEL
12459-B ARROW RTE
RANCHO CUCAMONGA, CA 91739

Telephone : 909 646-7833

Contractor | **License No.**

Telephone :

Description	Const. Type	Units
Occupancy-Tenant Improvements		168

Work Covered
BLD : Y ELE : Y
MEC : PLM : Y
FIR :

Const. Types
VB

Occupancy Groups
B

Case Notes :

PR 12/1/14

Electrical Fixtures

Fixture Type	Qty
Receptacle, Switch, & Lighting Outlets >= 25 amp	5
Lighting Fixtures	13

Mechanical Equipment

Equipment Type	Qty
Ventilation Fan	2

Plumbing Equipment

Equipment Type	Qty
Plumbing Fixture(each)	6

Fees

Type	By	T.C.	Amount
Inspection Fee (43%)	BS2	1086	$385.31
SMIP Fee	BS2	1096	$22.41
SB1473	BS2	1473	$1.02
Permit Fee:			**$408.74**

NC

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 5/7/13

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☒ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

Date: 5/7/13

X _____

Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class:_____ License No.:_____ Date:_____

Contractor Signature:_____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

_____ _____ _____

Carrier: Policy Number: Expire Date:

_____ _____

Name of Agent: Phone Number:

☒ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 5/7/13

Signature of Applicant: Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

   Char Broiler
   Spray booth
   Internal combustion engine>50 hp
   Abrasive blasting cabinet/room
   Motor fuel storage and disposing equipment
   Dry cleaning machine
   Printing press
   Boiler/combustion equipment>2 Mil BTU/ hr input
   Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

   Applications of paint or adhesives,
   Molding, extruding or curing of plastics,
   Storage of acids, solvents, organic liquids, or fuels,
   Etching, plating, casting, or melting of metals,
   Mixing and blending of liquids and/or powders,
   Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

_____ 5/8/13

Signature of Owner, Authorized Agent or CA licensed contractor: Date:

Mayor L. DENNIS MICHAEL • *Mayor Pro Tem* SAM SPAGNOLO
Council Members WILLIAM J. ALEXANDER, CHUCK BUQUET, DIANE WILLIAMS
City Manager JOHN R. GILLISON

THE CITY OF RANCHO CUCAMONGA

NOTICE TO PROPERTY OWNER

Dear Property Owner:

An applicant for a building permit has been submitted in your name listing you as the builder of the property improvements specified at 12459-B ARROW ROUTE.

We are providing you with an Owner-Builder Acknowledgment and Information Verification Form to make you aware of your responsibilities and possible risk you may incur by having this permit issued in your name as the Owner-Builder.

We will not issue a building permit until you have read, initialed your understanding of each provision, signed and returned this form to us at our official address indicated. An agent of the owner cannot execute this notice unless you, the property owner, obtain the prior approval of the permitting authority.

OWNER'S ACKNOWLEDGMENT AND VERIFICATION OF INFORMATION

DIRECTIONS: Read and initial each statement below to signify you understand or verify this information.

1. I understand a frequent practice of unlicensed persons is to have the property owner obtain an "Owner-Builder" building permit that erroneously implies that the property owner is providing his or her own labor and material personally. I, as an Owner-Builder, may be held liable and subject to serious financial risk for any injuries sustained by an unlicensed person and his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an Owner-Builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

2. I understand building permits are not required to be signed by property owners unless they are *responsible* for the construction and are not hiring a licensed Contractor to assume this responsibility.

3. I understand as an "Owner-Builder" I am the responsible party of record on the permit. I understand that I may protect myself from potential financial risk by hiring a licensed Contractor and having the permit filed in his or her name instead of my own.

4. I understand Contractors are required by law to be licensed and bonded in California and to list their license numbers on permits and contracts.

Mayor L. DENNIS MICHAEL • *Mayor Pro Tem* SAM SPAGNOLO
Council Members WILLIAM J. ALEXANDER, CHUCK BUQUET, DIANE WILLIAMS
City Manager JOHN R. GILLISON

THE CITY OF RANCHO CUCAMONGA

5. I understand if I employ or otherwise engage any persons other than California licensed Constructors, and the total value of my construction is at least five hundred dollars ($500.00), including labor and materials, I may be considered an "employer" under state and federal law.

6. I understand if I am considered an "employer" under state and federal law, I must register with the state and federal government, withhold payroll taxes, provide workers' compensation disability insurance, and contribute to unemployment compensation for each "employee". I also understand my failure to abide by these laws may subject me to serious financial risk.

7. I understand under California Contractors' State License Law, an Owner-Builder who builds single-family residential structures cannot legally build them with the intent to offer them for sale, unless *all* work is performed by licensed subcontractors and the number of structures does not exceed four within any calendar year, or all of the work is performed under contract with a licensed general building Contractor.

8. I understand as an Owner-Builder, if I sell the property for which this permit is issued, I may be held liable for any financial or personal injuries sustained by any subsequent owner(s) that result from any latent construction defects in the workmanship or materials.

9. I understand I may obtain more information regarding my obligations as an "employer" from the Internal Revenue Service, the United States Small Business Administration, the California Department of Benefit Payments, and the California Division of Industrial Accidents. I also understand I may contact the California Division of Industrial Accidents. I also understand I may contact the California Contractors' State License Board (CSLB) at 1-800-321-CSLB (2752) or www.cslb.ca.gov for more information about licensed contractors.

10. I am aware of and consent to an Owner-Builder building permit applied for in my name, and understand that I am the party legally and financially responsible for proposed construction activity at the following address:

11. I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern Owner-Builder as well as employers.

12. I agree to notify the issuer of this form immediately of any additions, deletions, or changes to any of the information I have provided on this form.

Licensed contractors are regulated by laws designed to protect the public. If you contract with someone who does not have a license, the Contractors' State License Board may be unable to assist you with any financial loss you may sustain as a result of a complaint. Your only remedy against unlicensed Contractors may be in civil court. It is also important for you to understand that if an unlicensed Contractor or employee of that individual or firm is injured while working on

Mayor L. DENNIS MICHAEL • *Mayor Pro Tem* SAM SPAGNOLO
Council Members WILLIAM J. ALEXANDER, CHUCK BUQUET, DIANE WILLIAMS
City Manager JOHN R. GILLISON

THE CITY OF RANCHO CUCAMONGA

your property, you may be held liable for damages. If you obtain a permits as Owner-Builder and wish to hire Contractors, you will be responsible for verifying whether or not those Contractors are properly licensed and the status of their workers' compensation insurance coverage.

Before a building permit can be issued, this form must be completed and signed by the property owner and returned to the agency responsible for issuing the permit.

Note: Verification of the property owner's signature is required prior to the issuance of a permit. Please provide either a copy of the property owner's official driver's license or have this form notarized prior to submitting your request.

Signature of property owner J Mahendra Date: 5/7/13

OFFICE USE ONLY

☐ Property owner obtained permit. Owner's identification has been verified

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2013-04073**

APN NUMBER : 022913119-0000 ISSUED : February 13, 2014

PROJECT DESCRIPTION : CONCRETE BASINS FOR ADDITION OF NEW COOLING TOWERS #'S 3 AND 6 - GERDAU

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
RAMCON INDUSTRIAL CORPORATION
1215 W. 225TH STREET
TORRANCE, CA 90503
Telephone : (310)212-6378

License No.
CON703711 B,HIC

Description	Const. Type	Units

Work Covered
BLD : Y ELE : Y
MEC : N PLM : N
FIR : N

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty
Miscellanous Apparatus, Conduits, and Conductors	2

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS1	1078	$17.13
Misc. Inspection Fee 2	BS1	1086	$380.67
Permit Fee:			**$397.80**

PERMIT EXPIRED
NO WORK DONE IN LAST 180 DAYS
Permit Holder Notified __/__/__
Sign _____ Date __/__/__

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-13-14

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: A,B License No.: 827811 Date: 2-13-14

Contractor Signature: [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
Policy No. _____

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

State fund | 9077138-13 | 11-4-14
Carrier: | Policy Number: | Expire Date:

Robyn Mac | 9077138-13
Name of Agent: | Phone Number: 626-359 6626

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

[signature] | 2-13-14
Signature of Applicant: | Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or coring of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (☒) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

[signature] | 2-13-14
Signature of Owner, Authorized Agent or CA licensed contractor: | Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2014-00349**

APN NUMBER : 022913119-0000 ISSUED : February 27, 2014

PROJECT DESCRIPTION : RE-NEW EXPIRED PERMIT (PMT2012-01992) STORAGE RACKS FOR GERDAU AMERISTEEL

Owner

Telephone :

Contractor
THE ALLIANCE GROUP
COMMERCIAL CONST
8780 19TH
#163
RANCHO CUCAMONGA, CA 91701
Telephone 909 222-7822

License No.
WORK0010961-2010
LIABMGL0170609
BUS054281
CON719051B

Description	Const. Type	Units
Storage Racks - 6-10' high		1

Work Covered
BLD : C ELE : N
MEC : N PLM : N
FIR : C

Const. Types

Occupancy Groups

Case Notes :

FINALED
3/31/14
PAR

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS1	1078	$9.51
Misc. Inspection Fee 1 (54%)	BS1	1086	$211.27
Permit Fee:			**$220.78**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/27/14

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

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_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: B License No.: 719051 Date: 2/27/14

Contractor Signature: _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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_____ 2/27/14
Signature of Applicant: Date:

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Lender's name: _____ Lender's Address: _____

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5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting. or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

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I authorize representatives of this city to enter the above-identified property for inspection purposes.

_____ 2/27/14
Signature of Owner, Authorized Agent or CA licensed contractor: Date:

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE B **Record Number: PMT2014-03045**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: Private Fire Underground Service Line ~ GERDAU

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
SHAWNEE CONSTRUCTION CO 665668
P O BOX 1166
909-393-5271

Fees

Type	Amount
Technology Fee	$28.98
Inspection Fee (43%)	$276.91
Plan Review Fee (57%)	$279.94
Plan Review Fee (57%)	$87.12
Plan Check Fee	$185.97
Inspection Fee (43%)	$0.00
Plan Review Fee (57%)	$0.00
Permit Fee:	**$858.92**

Fire Alarm Detail

Fixture Type	Qty

Fire Miscellaneous Detail

Fixture Type	Qty

Fire Underground Detail

Fixture Type	Qty
Hydrants/Underground Fire Service	1
Hydraulic Calculations	1

PERMIT EXPIRED
NO WORK DONE IN LAST 150 DAYS
Permit Holder Notified ___/___/___
Sign _____ Date ___/___/___

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason: _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665868

Date: 11-3-14 Contractor Signature [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier	Policy Number	Expire Date
STATE	9078369	11-7-14

Name of Agent: BOB LOCKWOOD — Phone Number: 909-393-5271

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

[signature] 11-3-14

Signature of Applicant — Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am (_) a California licensed contractor or (_) the property owner or (_) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-04715**

Parcel #: 022913124-0000 Lot: Issued Date: 02/19/2015
Tract: Phase: Parcel Area:
Project Description: Pallet storage racks for Tree Island Wire

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
EAGLE MATERIAL HANDLING CO INC 371906
4436 WORTH ST
3232271921

Fees

Type	Amount
MISC Technology Fee	$35.88
MISC Plan Check Fee	$342.86
MISC Inspection Fee	$454.49
Permit Fee:	**$833.23**

TYPES OF WORK

Type	Quantity
Storage Racks	1

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-19-15

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do ( ) all of or ( ) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-61 License No. 371906

Date: 2-19-15 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

- ☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE Co. _____ _____

Carrier Policy Number Expire Date

State Comp - 904993 82014 626-1FC-105

Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ _____

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? ( ) YES ( ) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? ( ) YES ( ) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? ( ) YES ( ) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? ( ) YES ( ) NO
5. Will the facility have any of the following equipment? ( ) YES ( ) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.
By my signature below, I certify to each of the following:
I am (__) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name _____

Date 2-19-15

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03049**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: Private Underground Fire Service ~ Tree Island

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
SHAWNEE CONSTRUCTION CO 665668
P O BOX 1166
909-393-5271

Fees

Type	Amount
Technology Fee	$27.92
Inspection Fee (43%)	$211.18
Plan Review Fee (57%)	$279.94
Hourly Fee	$129.30
Inspection Fee (43%)	$0.00
Plan Review Fee (57%)	$0.00
Permit Fee:	**$648.34**

Fire Alarm Detail

Fixture Type	Qty

Fire Miscellaneous Detail

Fixture Type	Qty

Fire Underground Detail

Fixture Type	Qty
Hydrants/Underground Fire Service	1

FINALED 7/8/15 MAF

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do ( ) all of or ( ) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
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- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665662

Date 11-3-14 Contractor Signature [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

  STATE 9078349 11-7-14
  Carrier Policy Number Expire Date

  [signature] BOB LOCKWOOD 909-393-5271
  Name of Agent Phone Number
- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

  [signature] 11-3-14
  Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? ( ) YES ( ) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? ( ) YES ( ) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? ( ) YES ( ) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? ( ) YES ( ) NO
5. Will the facility have any of the following equipment? ( ) YES ( ) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am ( ) a California licensed contractor or ( ) the property owner or ( ) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2015-03905**

Parcel #: 022913124-0000 Lot: Issued Date: 01/25/2016
Tract: Phase: Parcel Area:
Project Description: Precise Grading for Tree Island Wire (USA), Inc.

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor
MIKE ZARP INC
PO BOX 6370
909-946-7017

License No.
677137

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Technology Fee	$11.64
Hourly Plan Review Fee	$258.60
Inspection Fee	$174.54
Inspection Fee	$84.06
Technology Fee	$3.78
Permit Fee:	**$532.62**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use
Precise Grading

Plumbing Equipment

Equipment Type	Qty

FINALED
4/5/16
CWL

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 1-25-16

Printed: 1/25/2016

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason: _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-12 License No. 677137

Date: 1-25-16 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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Policy No. _____

- ☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Travelers Ins.	3F98171-6-16	1/1/17
Carrier	Policy Number	Expire Date
GMGS Risk Management		949-559-6700
Name of Agent		Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 1-25-16

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
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4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substence in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name _____

Date 1-25-16

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03048**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: On-site Sewer & Water ~ Tree Island

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor	License No.
SHAWNEE CONSTRUCTION CO P O BOX 1166 909-393-5271	665668

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Technology Fee	$11.64
Plan Check Fee	$147.40
Inspection Fee	$111.20
Permit Fee:	**$270.24**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use	Quantity
Water and Sewer (retail, commercial, and industrial)	1

Plumbing Equipment

Equipment Type	Qty

FINALED
4/5/16
CWL

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site:
<http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665666

Date: 11-3-14 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE 9078369 11-7-14
Carrier Policy Number Expire Date

BOB LOCKWOOD 909-3935271
Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 11-3-14
Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am (_) a California licensed contractor or (_) the property owner or (_) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-04715**

Parcel #: 022913124-0000 Lot: Issued Date: 02/19/2015
Tract: Phase: Parcel Area:
Project Description: Pallet storage racks for Tree Island Wire

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
EAGLE MATERIAL HANDLING CO INC 371906
4436 WORTH ST
3232271921

Fees

Type	Amount
MISC Technology Fee	$35.88
MISC Plan Check Fee	$342.86
MISC Inspection Fee	$454.49
Permit Fee:	**$833.23**

TYPES OF WORK

Type	Quantity
Storage Racks	1

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-19-15

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do ( ) all of or ( ) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
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Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-61 License No. 371906

Date: 2-19-15 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

- ☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE Co. _____ _____

Carrier Policy Number Expire Date

State Comp - 904993 82014 626-1FC-105

Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ _____

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? ( ) YES ( ) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? ( ) YES ( ) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? ( ) YES ( ) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? ( ) YES ( ) NO
5. Will the facility have any of the following equipment? ( ) YES ( ) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.
By my signature below, I certify to each of the following:
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I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name _____

Date 2-19-15

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03044**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: Private Fire Underground ~ Tree Island & Gerdau

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
SHAWNEE CONSTRUCTION CO 665668
P O BOX 1166
909-393-5271

Fees

Type	Amount
Technology Fee	$44.20
Inspection Fee (43%)	$422.36
Plan Review Fee (57%)	$559.87
Permit Fee:	**$1,026.43**

Fire Alarm Detail

Fixture Type	Qty

Fire Miscellaneous Detail

Fixture Type	Qty

Fire Underground Detail

Fixture Type	Qty
Hydrants/Underground Fire Service	2

FINALED
3/12/15
BB

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

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<http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 0645668

Date: 11-3-14 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

State 9078369 11-7-14
Carrier Policy Number Expire Date

_____ _____
Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 11-3-14
Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? ( ) YES ( ) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? ( ) YES ( ) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? ( ) YES ( ) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? ( ) YES ( ) NO
5. Will the facility have any of the following equipment? ( ) YES ( ) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am ( ) a California licensed contractor or ( ) the property owner or ( ) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03049**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: Private Underground Fire Service ~ Tree Island

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
SHAWNEE CONSTRUCTION CO 665668
P O BOX 1166
909-393-5271

Fees

Type	Amount
Technology Fee	$27.92
Inspection Fee (43%)	$211.18
Plan Review Fee (57%)	$279.94
Hourly Fee	$129.30
Inspection Fee (43%)	$0.00
Plan Review Fee (57%)	$0.00
Permit Fee:	**$648.34**

Fire Alarm Detail

Fixture Type	Qty

Fire Miscellaneous Detail

Fixture Type	Qty

Fire Underground Detail

Fixture Type	Qty
Hydrants/Underground Fire Service	1

FINALED 7/8/15 MAF

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

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Date: _____

Signature of Property Owner or Authorized Agent

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665662

Date 11-3-14 Contractor Signature [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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  Policy No. _____
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  STATE 9078349 11-7-14
  Carrier Policy Number Expire Date

  [signature] BOB LOCKWOOD 909-393-5271
  Name of Agent Phone Number
- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

  [signature] 11-3-14
  Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

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Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
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I am ( ) a California licensed contractor or ( ) the property owner or ( ) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2015-03905**

Parcel #: 022913124-0000 Lot: Issued Date: 01/25/2016
Tract: Phase: Parcel Area:
Project Description: Precise Grading for Tree Island Wire (USA), Inc.

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor
MIKE ZARP INC
PO BOX 6370
909-946-7017

License No.
677137

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Technology Fee	$11.64
Hourly Plan Review Fee	$258.60
Inspection Fee	$174.54
Inspection Fee	$84.06
Technology Fee	$3.78
Permit Fee:	**$532.62**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use
Precise Grading

Plumbing Equipment

Equipment Type	Qty

FINALED
4/5/16
CWL

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 1-25-16

Printed: 1/25/2016

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason: _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-12 License No. 677137

Date: 1-25-16 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

- ☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Travelers Ins.	3F98171-6-16	1/1/17
Carrier	Policy Number	Expire Date
GMGS Risk Management		949-559-6700
Name of Agent		Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 1-25-16

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substence in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name _____

Date 1-25-16

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03048**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: On-site Sewer & Water ~ Tree Island

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor	License No.
SHAWNEE CONSTRUCTION CO P O BOX 1166 909-393-5271	665668

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Technology Fee	$11.64
Plan Check Fee	$147.40
Inspection Fee	$111.20
Permit Fee:	**$270.24**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use	Quantity
Water and Sewer (retail, commercial, and industrial)	1

Plumbing Equipment

Equipment Type	Qty

FINALED
4/5/16
CWL

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site:
<http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665666

Date: 11-3-14 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE 9078369 11-7-14
Carrier Policy Number Expire Date

BOB LOCKWOOD 909-3935271
Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 11-3-14
Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am (_) a California licensed contractor or (_) the property owner or (_) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

OK Fred

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	

Proposed Construction: LADLE Support Structure Foundation

Sq. Ft. Size	No. Stories	No. Dw. Units

New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions: Plan check fee based upon actual consultant billing for Same

VALUATION: $ 10,000

FEES		
	PLAN CHECKING FEE	110 00
	PERMIT FEE	80 50
	DRAINAGE FEE	
	SYSTEMS FEE	
	BEAUTIFICATION FEE	
	PARK FEE	
	OTHER	
Processed by	School Fee Receipt #	TOTAL 190 50

Permit No. 80-4101 Validated OK Date 12/17/80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

◯ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

◯ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

◯ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 12/16/80 _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

◯ Copy is filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 12/16/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafl., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	2/5/81	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

City of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy.
Owner: AMERN Steel
Mailing Address: 12459 Arrow Hwy
City: Etiwanda | Zip: | Tel.:
Contractor: WHITAKER Elect. Co.
Address: 383 S. J St.
City: San Bndo | Zip: 92410 | Tel.: 882-9895
State Lic. & Classif.: 16495 C10 | City Lic. No.: 14042

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. PC 116 805 Company Great Amer.

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANC.

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 11/18/80

Mailing Address: 383 S. J St.

City, State, Zip: San Bndo Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 60 AMP)	10 —
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 —
	TOTAL ELECTRICAL FEES	17 —

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 17 —

Processed By: [signature] | Spec. Cond.:

Permit No.: 80727 | Validation: OK | Date: 11/18/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- BUILDING
- ELECTRICAL
- MECHANICAL
- PLUMBING
- GRADING

- NEW
- SFD
- ADDN
- APT.
- ALTER
- DUPLEX
- REPAIR
- COMM.

PERMIT NO. 79-65

JOB ADDRESS 12459 Arrow Hwy.	SUBDIVISION		LOT
OWNER Amron Stockade	ADDRESS		TELEPHONE
CONTRACTOR Kerr Electric	ADDRESS		TELEPHONE
CITY BUSINESS LIC. # 4258	STATE LIC. # 365520	ARCH./BLD. DESIGNER	TELEPHONE
ENGINEER	TELEPHONE	LENDER	APN

FLOOR AREA 20,180.	VALUATION	GROUP S-1	MAX. OCC.	TYPE II-N.
LOT AREA 1/2 acre	DWELLING UNITS	FIRE ZONE 3	STORIES 1	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS: Electrical for new wire mill Storage Bldg. as per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE	4-5-79	JH
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL	6-5-79	JH
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL		
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- ◯ BUILDING
- ◯ ELECTRICAL
- ◯ MECHANICAL
- ◯ PLUMBING
- ◯ GRADING

- ☐ NEW ☐ SFD
- ☐ ADDN ☐ APT.
- ☐ ALTER ☐ DUPLEX
- ☐ REPAIR ☐ COMM.

PERMIT NO. 79-276

JOB ADDRESS: 18959 Base Line Hwy		SUBDIVISION:	LOT:
OWNER: Jarmo		ADDRESS:	TELEPHONE: 987-2521
CONTRACTOR: Jarmo O/B		ADDRESS:	TELEPHONE:
CITY BUSINESS LIC.: 270	STATE LIC.:	ARCH./BLD. DESIGNER:	TELEPHONE:
ENGINEER:	TELEPHONE:	LENDER:	APN:

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING I	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS:
Constr. 30'x75' Maint. Bldg. add. Weld Shop per plan on file

INSPECTOR WORK SHEET

Part

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING	4-19-79	
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.	4-19-79	
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE	4-19-79	
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	6-5-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW [illegible] RTE			No. Stories	Type Const.		Occ. Group
Lot. No.	Block	Tract		Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
Owner	TAMCO			No. Bedrooms	Lot Size Size		APN
Mailing Address	12459 ARROW	PO Box 325		CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
City	ETIWANDA	Zip 91739	Tel. 987-2521	Special Conditions:			
Contractor	OWNER						
Address	SAME						
City		Zip	Tel.				
State Lic. & Classif.			City Lic. No.				
Archt./Engr. Designer	G. H. GRIFFIN						
Address	AMERON CORP.		Tel.				
	MONTEREY PARK	Zip	State Lic. No.				
Proposed Construction	Cooling Bed Control House						
Sq. Ft. Size	784	No. Stories 1	No. Dw. Units				
New ☒	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐			

VALUATION: $ 4800.00

FEES		
PLAN CHECKING FEE	P.D. 120583 P.C.# 83-5605	37.88
PERMIT FEE		50.50
DRAINAGE FEE	1-13-84 PAID 84-197	---
SYSTEMS FEE		48.00
BEAUTIFICATION FEE		
PARK FEE	pd check	
OTHER	+ pd Cash	
TOTAL		98.50

Processed By [illegible] | School Fee Recpt. # | Permit No. 84-289 | Validation [illegible] | Date 1-20-84

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the *Business and Professions Code*, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Code*: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code*: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code*: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. 7044, B. & P.C. for this reason

TAMCO Richard Cairns
Owner Mgr.

Date 1/5/83

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 2014-00 053498 Company Hawson Ins Co.

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name

Lender's Address

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction; and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [illegible] Date 1/5/83

Mailing Address 12459 ARROW HWY

City, State, Zip ETIWANDA

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	8-X-84	

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Sl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		
Lot. No.	Block	Tract	
Owner	TAMCO		
Mailing Address	12459 ARROW HWY, BOX 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer	OWNER		
Address		Tel.	
City	Zip	State Lic. No.	

Proposed Construction: FOUNDATION PIT FOR ROLLING MILL COOLING BED MODERNIZATION

Sq. Ft. Size	No. Stories	No. Dw. Units
13000		

New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions: PC 83-544 ($ 800.26)

VALUATION: $ 350,000

FEES		
	PLAN CHECKING FEE	
	PERMIT FEE	1067 —
	DRAINAGE FEE BASED ON 0.28 AC	1134 —
	SYSTEMS FEE	3500 —
	BEAUTIFICATION FEE	—
	PARK FEE	—
	OTHER	/
	TOTAL	5701 —

Processed By | School Fee Recpt. # | Permit No. 84-197 | Validation | Date 1-13-84

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Codes*: *Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code*: *The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code*: *The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

◯ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 11/18/83 Owner TAMCO BY Richard Larson

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code).

Policy No. 2014-00 053498 Company WAUSAU INS. COS.

◯ Copy is filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code*.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [illegible] Date 11/18/83

Mailing Address 12459 Richard Larson

City, State, Zip Etiwanda, CA 91739 Engineering Manager

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	8-16-84	
SWIMMING POOL/SPA		
EXC./V. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

Signed per Reports K

Inspectors on-site-inspection

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	Arrow Steel & Wire		
Mailing Address	P.O. Box 8		
City	Etiwanda	Zip 91739	Tel 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	PREMATER EQUIPMENT FOUNDATION		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories —	Type Const. TF-V		Occ. Group M-1
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 17,500

FEES		
PLAN CHECKING FEE P# 82-1303	96.	38
PERMIT FEE	128	50
DRAINAGE FEE	25	00
SYSTEMS FEE	175	00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL	328	50

Processed By [illegible] School Fee Recpt. #

Permit No. 82-1389 Validation Jair. Date 6/29/82

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[X] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 6/29/82 Owner

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[X] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 6/29/82

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

			INSPECTION NOTES
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6-30-82	Were	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.	7-14-82	Were	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.			7-21-82 Epoxy, Cameia-Stop at 7-27-82 Shearwall to be installed
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landing, House Numbers, Weather Stripping, Pl./Eng. Clear.	9-14-82	Were	
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Sil., Banding, Exp. Soil, Ramp Loc., Surcharge.			
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.			
FINAL INSPECTION:			
MISCELLANEOUS			
SPRAY PAINT BOOTH:			
RETAINING WALL:			
DUST COLLECTION SYSTEM:			
VENEER:			
RE-ROOF:			
SIGN(S):			
INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION Duplicate

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Owner	Cameron Steel & Wire		
Mailing Address	P.O. Box 8		
City	Etiwanda	Zip 91739	Tel. 987-3551
Contractor	Kent Electric Co.		
Address	11631 Industry Ave.		
City	Fontana	Zip 92335	Tel. 684-2910
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
9	Motors HP ea. _____)	142 50
	Other (Specify _____)	4 00
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	153 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES	153 50

Processed By		Spec. Cond.	
Permit No.	82-1446	Validation	Date

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

KENT ELEC. TOOK ALL OF ORIGINAL PERMIT. 7/20/82 pd

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy			No. Stories	Type Const.		Occ. Group
Lot No.	Block	Tract		Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
Owner	CAMERON STEEL & WIRE			No. Bedrooms	Lot Size Size		APN
Mailing Address	P.O. Box 8			CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
City	ETIWANDA	Zip 91739	Tel. 987-0451	Special Conditions:			
Contractor	OWNER						
Address							
City		Zip	Tel.				
State Lic. & Classif.			City Lic. No.				
Arch., Engr., Designer							
Address			Tel.				
City		Zip	State Lic. No.				
Proposed Construction	Not Work as per Plans on File.						
Sq. Ft. Size		No. Stories	No. Dw. Units				

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

VALUATION: $ 10,000

FEES	PLAN CHECKING FEE 82-0288 PD 2-24-82	60	38
	PERMIT FEE	80	50
	DRAINAGE FEE	25	00
	SYSTEMS FEE @ 1% Value	100	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	205	50

Permit No. 82-0397 Valuation Initial Date 3-10-82

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires it's applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 3-10-82 Owner X

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 3-24-82

Mailing Adr. _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	3/11/82	HCL
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.	3/30/82	HCL
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9-14-82	Walker
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

OK wall Form 3/31/82 HCL

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		
Lot No.	Block	Tract	
Owner	KAISER STEEL & WIRE DIV		
Mailing Address	PO BOX 8		
City	ETIWANDA	Zip 91739	Tel. 887-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	TWO 8'X12' ELECTRICAL CONTROL BLDG		
Sq. Ft. Size	96' EACH	No. Stories 1	No. Dw. Units
New [X]	Add. [ ]	Alter. [ ]	Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 3,000 EACH = $ 6,000

FEES	PLAN CHECKING FEE (82-1100)	42	38
	PERMIT FEE	56	50
	DRAINAGE FEE	25	00
	SYSTEMS FEE	60	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By BW	School Fee Recpt. #	TOTAL	141 50
Permit No. 821155	Validation	Date 6/2/82	

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[ ] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

[ ] Copy is filed with the city. [ ] Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[X] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	7-21-82 8-14-82	Ware Ware
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Shear Panels, Tr. Lmbr.	8-23-82	Ware
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9-14-82	Ware
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

7-21-82 Ware west bldg foundation

east bldg foundation

roof lathe bldgs west

9-15-82 Reberox Ware

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	PO BOX 8		
City	ETIWANDA	Zip 91739	Tel 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	Cooling Tower Foundation		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:			

VALUATION: $ 12,500

FEES			
	PLAN CHECKING FEE PD 3-26-82	$	78 88
	PERMIT FEE		98 50
	DRAINAGE FEE BASED ON 0.02 AC		50 00
	SYSTEMS FEE		125 00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	273 50
Permit No.	82-0752	Validation	Date 7-16-82

LICENSED CONTRACTOR'S DECLARATION

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OWNER-BUILDER DECLARATION

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☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

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☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

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NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all City and County ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	4/21/82	[illegible]
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Span, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9-14-82	[illegible]
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Banding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

4/21/82
Studs & Footings OK
[illegible]

5/5/82
Wall Steel & Forms OK
[illegible]

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Co. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 ARROW HWY			
Lot No.	Block	Tract	
Owner: AMERON STEEL & WIRE DIV			
Mailing Address: P.O. BOX 8			
City: ETIWANDA	Zip: 91737	Tel: 987-2521	
Contractor: OWNER			
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer: OWNER			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction: COIL COLLECTOR STATION PERSONNEL SHELTER			
Sq. Ft. Size: 714	No. Stories: 1	No. Dw. Units	

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 10,900 XX

FEES	PLAN CHECKING FEE	64	00
	PERMIT FEE	86	50
	DRAINAGE FEE based on 0.02 Ac	50	00
	SYSTEMS FEE	109	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By: [illegible]	School Fee Recpt. #	TOTAL	245 50
Permit No. 81-1994	Validation	Date 6/29/81	

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

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[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 6/29/81 Owner [signature]

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof, (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

[ ] Copy is filed with the city. [ ] Certified copy is hereby furnished.

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CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date _____

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	8/10/81	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Veh. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Fl./Engr. Clear.	9-14-82	Ware
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Fund

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		No. Stories	Type Const.	Occ. Group
Lot No.	Block	Tract	Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Owner	TAMCO		No. Bedrooms	Lot Size Size	APN
Mailing Address	PO Box 325		CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐ / D.A. Appr. Required ☐
City	Etiwanda	Zip 91739 Tel 987-2521	Special Conditions:		
Contractor	OWNER				
Address					
City	Zip	Tel.	VALUATION: $ 10,400		
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer			FEES	PLAN CHECKING FEE Rec. # 81-2672	64 88
Address		Tel.		PERMIT FEE	86 50
City	Zip	State Lic. No.		DRAINAGE FEE	25 —
Proposed Construction	Scrap Yard Lunch Room			SYSTEMS FEE	104
				BEAUTIFICATION FEE	—
				PARK FEE	—
				OTHER	
Sq. Ft. Size	240	No. Stories 1 / No. Dw. Units	Processed By	School Fee Recpt. #	TOTAL 215 50
New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐			Permit No.	81-2682 Validation	Date 9/2/81

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

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☑ *I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)*

☐ *I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)*

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 9/1/81 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☑ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 9/1/81

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	10/6/81	K.R.L.
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.	10/6/81	K.R.L.
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.	10/19/81	K.R.L.
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	10/27/81	K.R.L.
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.	10/27/81	K.R.L.
INSULATION: Thickness, R-Values, Piping, Sound Caulking.	✓	
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.	✓	
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.	10/30/81	K.R.L.
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.	✓	
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Fl./Engr. Clear.	11/6/81	K.R.L.
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

10/14/81 1st grout lift K.R.L.

10/19/81 2nd & Final Grout lift K.R.L.

BUILDING AND SAFETY DIVISION

City of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Garrard Homes

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Arrow HWY

Owner: AMERON

Mailing Address: 12459 Arrow HWY

City: R.C. Zip: 91739 Tel: 887-2521

Contractor: WHITAKER ELECTRIC Co

Address: 223 So "J"

City: SAN B'NO Zip: 92410 Tel: 889-9395

State Lic. & Classif.: 164965 City Lic. No.: 1404

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. CB 842599 Company CAL INDEM.

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Whitaker Electric Inc

Mailing Address: 223 So "J"

City, State, Zip: San Bndo Ca. 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 60 AMP SUBPANEL)	10 00
3	Outlets (Receptacles, Lights, Switches)	1. 50
1	Fixtures 220 REC.	1. 00
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	19 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets. _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 19 50

Processed By: JS

Spec. Cond.:

Permit No.: 81-2741

Validation: mk

Date: 7-10-81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL			
UNDERGROUND CONDUIT	9/11/81	Russell	
ROUGH WIRING	10/27/81	Held	
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.			
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
MECHANICAL			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
PLUMBING			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER. Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY
Owner	TAMCO AMERON
Mailing Address	12459 ARROW HWY.
City	CUCAMONGA — Zip 91739 — Tel. 899-1716
Contractor	WHITAKER ELECT. CO.
Address	383 So. J ST.
City	SAN BNDO — Zip 92410 — Tel. 889-9895
State Lic. & Classif.	164965 C10 — City Lic. No.

LICENSED CONTRACTOR'S DECLARATION

[X] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

[ ] I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

[X] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 8888-3799 Company Ind Indem.

[X] Copy is filed with the city. [ ] Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant J. Grossmann Date 9/28/81

Mailing Address 383 So J St.

City, State, Zip San Bndo, Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 120A, 480A)	35 00
11	Outlets (Receptacles, Lights, Switches)	5 50
5	Fixtures	2 50
	Motors (HP ea. _____)	
	Other ~~4 PANELS~~ (Specify 75 KVA TRANS.)	12 50
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	62 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wa'l/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES	62 50
Processed By	Spec. Cond.
Permit No. 81-3024	Validation
Date 10/7/81	

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT	10/8/81	FRR	
	ROUGH WIRING	10/27/81	KLL	
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- [x] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING

- [ ] NEW
- [x] SFD
- [ ] ADDN
- [ ] APT.
- [x] ALTER
- [ ] DUPLEX
- [ ] REPAIR
- [ ] COMM.

PERMIT NO. 78-381

JOB ADDRESS: 12459 Arrow Hwy		SUBDIVISION		LOT	
OWNER: Tamco		ADDRESS: Same		TELEPHONE: 987-[illegible]	
CONTRACTOR: Same		ADDRESS		TELEPHONE	
CITY BUSINESS LIC. #: 270	STATE LIC. #: —	ARCH./BLD. DESIGNER		TELEPHONE	
ENGINEER: Kestner	TELEPHONE	LENDER		JOB #	

FLOOR AREA: —	VALUATION: 3500 —	GROUP: B-4	MAX. OCC.: —	TYPE: II-N	
LOT AREA: —	DWELLING UNITS	FIRE ZONE: 3	STORIES	BEDROOMS	
ZONING: M-2	USE PERMIT: —	DESIGN REVIEW: —	UBC ED.: 76		

PROPOSED WORK/REMARKS:

Construct Observation platform in Casting machine area

INSPECTOR WORK SHEET

Footing South End 12-28-28 JSK

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	4-5-29	JSK.
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- [X] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING
- [X] NEW [ ] SFD
- [ ] ADDN [ ] APT.
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM.

JOB ADDRESS: 12459 Arrow Hwy	SUBDIVISION:	LOT:	
OWNER: A Moran Steel & Wire	ADDRESS: 12459 Arrow Hwy	TELEPHONE: 987-252	
CONTRACTOR: Owner	ADDRESS:	TELEPHONE:	
CITY BUSINESS LIC. #: 271	STATE LIC. #:	ARCH./ENGR. DESIGNER:	TELEPHONE:
ENGINEER: Keltner	TELEPHONE:	LENDER:	APN:

FLOOR AREA: 20,180	VALUATION: 160,000	GROUP: B-4	MAX. OCC.: —	TYPE: 4-N	
LOT AREA: 42 Ac. ±	DWELLING UNITS:	FIRE ZONE: 3	STORIES: 1	BEDROOMS: —	
PERMIT NO.: 78-383	ZONING: M2	USE PERMIT:	DESIGN REVIEW:	UBC ED.: 76	—

PROPOSED WORK/REMARKS:

Construct Wire Storage Bldg

Bldg Engr Mark Keltner

need grad. contr. list.

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL.	11-29-78	
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	4-5-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION Mark Kelhner

city of rancho cucamonga

BUILDING PERMIT

- ○ BUILDING
- ○ ELECTRICAL
- ○ MECHANICAL
- ◉ PLUMBING
- ○ GRADING

- ☒ NEW ☐ SFD
- ☒ ADDN ☐ APT.
- ☒ ALTER ☒ DUPLEX
- ☒ REPAIR ☐ COMM.

PERMIT NO. 79-275

JOB ADDRESS 12457 Arrowhead	SUBDIVISION		LOT
OWNER Emerson Studio Bird Dr	ADDRESS		TELEPHONE 987-252
CONTRACTOR Emerson	ADDRESS		TELEPHONE
CITY BUSINESS LIC. #	STATE LIC. #	ARCH./BLD. DESIGNER	TELEPHONE
ENGINEER	TELEPHONE	LENDER	APN

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS:

Constr. 28' x 74' Bunding Bldg. per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING	2-20-79	JH
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	J.H. 4-16-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- [x] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING
- [ ] NEW [ ] SFD
- [x] ADDN 2 [ ] APT.
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM.

PERMIT NO. 78-382

JOB ADDRESS: 12455 Arrow Hwy	SUBDIVISION:				CT.
OWNER: Amron Steel & Wire	ADDRESS: Same				TELEPHONE
CONTRACTOR: Same	ADDRESS:				TELEPHONE
CITY BUSINESS LIC. #: 27	STATE LIC. #:	ARCH./ENGR. DESIGNER:			TELEPHONE
OWNER: Kaltman	TELEPHONE:	LENDER:		APN:	

FLOOR AREA: 432 / 1320	VALUATION: 15,000	GROUP: B 4	MAX. OCC.: —	TYPE: II-N	
LOT AREA: 42 Ac ±	DWELLING UNITS: —	FIRE ZONE: 3	STORIES: 1	BEDROOMS: —	
ZONING: M-2	USE PERMIT: —	DESIGN REVIEW: Dir. Rev	UBC ED.: 1976	—	

PROPOSED WORK/REMARKS:
Add Boiler Room Structure, Add Bay to Straighten & Cut Dept., Install 100 HP Boiler

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
Drywall nailing	4-5-79	JH
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	J.L. 4-16-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

SAN BERNARDINO COUNTY — BUILDING PERMIT

Region	By	Application Date	Plans	Plot	Gr.	Type Con.	Fire Zone	Plan No.	Index No.
120	RM	10-28							124-85

To be filled in by Applicant — PLEASE PRINT OR TYPE

Owner's Name: ~~FAMECO~~ ~~SIERRA PACIFIC DIV~~ — Phone No.: 987-2521

Owner's Mailing Address: 12459 Arrow Hwy — City: Etiwanda — Zip: 91739

JOB SITE ADDRESS: SAME — CITY:

Lot No. — Block No. — Tract No.

Sec. — Twn. — Rng.

Intended Permit Use: REV. COMPRESSOR ROOF COVER

Lot Dimensions	No. Stories	No. Bedrms.	No. Dwell. Units	No. Dwell. Units Now on Lot	No. Fireplaces

No. Bldgs. Now on Lot	How Used

Contractor: O/B — When Plans Checked Notify

Contractor's Mailing Address — City — Zip — Phone No.

FLOOR	EXT. WALLS	INT. WALLS	CEILING	ROOF	HEATING	SEWAGE SYSTEM
Conc.	Masonry	Masonry	Open Beam	Wood	Elect.	
Wood	Frame	Frame	Plaster	Comp. Sh.	Nat. Gas	Public
	Stucco	Plaster	Sheetrock	Built-up	L.P.G.	Private
	Siding	Sheetrock	Wood	Metal	Oil	Min. Depth
	Metal	Wood	Fiber Board	Tile	Solid	S.F./100 gal.

CERTIFICATION OF APPLICANT FOR BUILDING PERMIT

I have read this application and agree to comply with all laws regulating construction. I certify that in the performance of this work I shall not employ any person in any manner violating Workers' Compensation laws.

California Health & Safety Code, Sec. 17922.5, requires applicants for building permits to show that a Division of Industrial Safety permit has been obtained, unless the applicant signs this Certificate below.

☐ I certify that no excavation five (5) or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit from that division.

Division of Industrial Safety Permit No.

Owner's Signature: Mark Kellner 12/9/77

Contractor's Signature — License No.

DEPARTMENT USE ONLY — Plan Check Valuation

BY — ZONE — AP No.

Minimum Setback Distances

- Front Setback from Center Line — R/W
- Rear Setback from Rear Property Line
- Side Street Setback from Center Line — R/W
- Side Setback from Property Line
- Side Setback from Property Line

NOTE:

	Sq. Ft.	Factor P.S.F.	Adjusted Area or Valuation
1			
2			
3			
Gar.			
Porch			
F.P.			
Valuation			Adjusted Area
$ 3500			

ONTARIO COMPLETED DATE: 2-

Grading — Cu. Yds.

ELECT.

PLUMB.

MECH.

Plan Check Fee	$ 21	45
Const. Fee	33	—
Elect. Fee		
Plumb. Fee		
Mech. Fee		
Grading Fee		
Misc. Fee		
Permit Fee		
TOTAL FEE	$ 54	45

VALIDATION SPACE OR RECEIPT NO. Cash/Check

Receipt 350345 c/c 8545

Permit Number: 55641

Date Permit Issued:

Use Number: 24

STRUCTURE	PLUMBING				HEATING & AIR COND.				ELECTRICAL
SETBACK	LAVATORY		TOILET		GAS PIPE		COOLER		
EXCAVATION	BATHTUB		FL. DRAIN		FL. FURN.		REFRIG.		
FORMS	SHOWER		SEWER		WALL FURN.		A.C. UNIT		
FOUND. REINF.	SINK		SEPTIC TANK		F.A.U.		HEAT PUMP		
REINF. STEEL	LAUND. TUB		SEEP. PIT		WATER HTR.		FIREPLACE		
GROUT	GARB. DISP.		LEACH LINE		BOILER		GAS CONV.		
BOND BEAM	DISH WASH.		GR. TRAP		INCINER.		L.P.G.		
LUMBER GR.	URINAL		DRINK FTN.		VENT		NAT. GAS		
FRAMING					DRYER				
ROOFING									
VENTILATION									

BATH VENT.	GROUND PLUMB.	GAS (ROUGH)	GROUNDING RANGE
UNDERFL. VENT	ROUGH PLUMB.	HEATING (ROUGH)	BONDING DRYER
ACCESS HOLE	SEWER	WATER HEATER	ROUGH WIRING
GAR. FIREPROOF	SEPTIC TANK	EVAP. COOLER	SERVICE COND. SIZE
LATHING	SIZE	A.C. UNIT	SERVICE WIRE SIZE
MESH	SEEP. PIT	REFRIGERATION	SERVICE GROUND SIZE
PLASTER	SIZE	DUCT WORK	AMP. VOLTS
FIREPLACE	LEACH LINE	SPARK ARREST.	NO. BR. CIRCUITS
INSULATION/SOUND	WATER SYS.	HEATING (FINAL)	TEMP.
CERT. OCC.	FINAL INSP.	GAS (FINAL)	FINAL

N.

W. E.

S.

FINAL O.K. 4-13-78

Mark Keltner

Ent. W/ Anderson, Alabama

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Final

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROWHWY				
Lot No.	Block	Tract			
Owner	THACO				
Mailing Address	PO BOX 325				
City	ETIWANDA	Zip 91739	Tel. 987-2521		
Contractor	OWNER				
Address					
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer					
Address		Tel.			
City	Zip	State Lic. No.			
Proposed Construction	LANDING PLATFORMS				
Sq. Ft. Size	No. Stories	No. Dw. Units			
New ☐	Add. ☒	Alter. ☐	Repair ☐	Demolition ☐	

No. Stories	Type Const.		Occ. Group	
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐	
No. Bedrooms	Lot Size Size		APN	
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐	
Special Conditions:				

VALUATION: $ 20,000

FEES			
	PLAN CHECKING FEE REC 9129 11-1280	105	38
	PERMIT FEE	140	50
	DRAINAGE FEE		
	SYSTEMS FEE		
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL		
Permit No. 80-3812	Validation	Date 7/24/80		

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5. Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred Dollars ($500).*

◯ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

◯ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

◯ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 7/24/80 Owner [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

◯ Copy is filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 7/24/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Link.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	2/9/81	[signature]
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

Bob SCHNEIDER

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY				
Lot No.	Block	Tract			
Owner	AMSTAR STEEL & WIRE DIV				
Mailing Address	P.O. BOX 8				
City	ETIWANDA	Zip	91739	Tel	887-2521
Contractor	OWNER				
Address					
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer	OWNER				
Address		Tel.			
City	Zip	Lic. No.			
Proposed Construction	ROLL MILL MAINT WEST END ENCLOSURE				
Sq. Ft. Size	1325	No. Stories	1	No. Dw. Units	
New [X]	Add. [ ]	Alter [X]	Repair [ ]	Demolition [ ]	

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 13,200

FEES		
	PLAN CHECKING FEE RC 0-4780	78 38
	PERMIT FEE	104 50
	DRAINAGE FEE	
	SYSTEMS FEE	
	BEAUTIFICATION FEE	
	PARK FEE	
	OTHER	
Processed By	School Fee Recpt. #	TOTAL 104 50
Permit No. 80-3185	Validation	Date 10-2-80

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[ ] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issu- also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 10/2/80 Owner [signature]

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declaration(s) is/are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 10/2/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

			INSPECTION NOTES
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	12/5/80	Cleared	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.			
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/5/80	Cleared	
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl., Banding, Exp. Soil, Ramp Loc., Surcharge.			
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.			
FINAL INSPECTION:			
MISCELLANEOUS			
SPRAY PAINT BOOTH:			
RETAINING WALL:			
DUST COLLECTION SYSTEM:			
VENEER:			
RE-ROOF:			
SIGN(S):			
INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Arrow Hwy			
Lot No.	Block	Tract	
Owner: AMERON STEEL & WIRE DIV			
Mailing Address: P.O. BOX 8			
City: ETIWANDA	Zip: 91739	Tel: 987-2521	
Contractor: OWNER			
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer: OWNER			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction: WIND BREAK LEAN-TO			
Sq. Ft. Size: 1275	No. Stories: 1	No. Dw. Units	

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 13,500

FEES			
	PLAN CHECKING FEE Rec'd 9-17-80	78	38
	PERMIT FEE	104	50
	DRAINAGE FEE	73	25
	SYSTEMS FEE	135	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By: BC	School Fee Recpt. #	TOTAL	312 75
Permit No. 80-3186	Validation: OK	Date: 10-2-80	

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[ ] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 10/2/80 Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code.*)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars* ($100) *or less.*)

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated description is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 10/2/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	10/27/20	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.	10/30/20	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports; Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/20	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY	U.B.C. Edition	1976
Type Const.	V-N	Occ. Group	
Lot No.	Block	Tract	
Occ. Load		F. D. Appr. Required	☐
H. D. Appr. Required	☐		
Owner	AMERON STEEL & WIRE DIV	CCWD Permit	☐ Obtained ☐ N.A.
D. of A. Permit	☐ Obtained ☐ N.A.		
Mailing Address	P.O. BOX 8	Use Permit Required	☐
Des. Rev. Required	☐	APN	
City	ETIWANDA	Zip	91739
Tel.	787-2521	No. Bedrooms	
Lot Size			
Contractor	OWNER	Special Conditions	
Address		VALUATION $	15,000
City	Zip	Tel.	
State Lic. & Classif.	City Lic. No.		
Arch., Engr., Designer	OWNER		
Address	Tel.		
City	Zip	State Lic. No.	
Proposed Construction	FOREMANS OFFICE		
INT. ALT.			
Sq. Ft. Size	480	No. Stories	2
No. Dw. Units			
New ☐	Add. ☐	Alter. ☒	Repair ☐ Demolition ☐

CHECKING FEE	# 06693	82 88
PERMIT FEE		110 50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL		110 50

Processed by [illegible] Permit No. 1301 Validation [illegible] Date 5/15/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date 3/31/80 Owner Mark Kelter

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 7800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Kelter Date 3/31/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	8/30/00	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Cord Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/5/00	
SWIMMING POOL/SPA		
EXCAV., REINF., SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	P.O. BOX 8		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer	OWNER		
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	FOREMANS OFFICE		
	INT. ALT.		
Sq. Ft. Size	320	No. Stories 2	No. Dw. Units
New ☒	Add. ☐	Alter. ☒	Repair ☐	Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load	F. D. Appr. Required ☐		H. D. Appr. Required ☐
CCWD Permit ☐	Obtained ☐	N.A. ☐	D. of A. Permit ☐ Obtained ☐ N.A.
Use Permit Required ☐	Des. Rev. Required ☐		APN
No. Bedrooms	Lot Size		
Special Conditions			
VALUATION: $	12,500		

FEES	PLAN CHECKING FEE	Paid 3/31/80 #06693	73	88
	PERMIT FEE		98	50
	DRAINAGE FEE			
	SYSTEMS FEE			
	BEAUTIFICATION FEE			
	PARK TAX			
	SCHOOL FEE			
	OTHER			
Processed by		TOTAL	98	50
Permit No.	80-1300	Validation		Date	5/5/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 3/31/80 Owner [signature]

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 3/31/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6/21/00	KRL
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/5/00 OK Final	KRL
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Banding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		
INSPECTION	DATE.	INSP. SIGN.

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel. 987-2521
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	MOTOR CONTROL CENTER ROOM		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load	F. D. Appr. Required ☐		H. D. Appr. Required ☐
CCWD Permit ☐ Obtained	☐ N.A.	D. of A. Permit ☐ Obtained	☐ N.A.
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 16,200

PLAN CHECKING FEE	#Receipt 06880	91 00
PERMIT FEE		122 50
DRAINAGE FEE	SEE COOLING TOWER PERMIT	
SYSTEMS FEE	190	162 00
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
Processed by	TOTAL	284 50
Valid		Date

80-1197 5/7/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 5/7/80 Owner Mark Kellam

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 5/7/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings; House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/80	WRR
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Slt., Bonding, Exp. Soil, Ramp Loc., Surchatge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel. 987-2521
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	COOLING TOWER STORAGE BASIN & HOTWELL		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load	F. D. Appr. Required ☐		H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.	D. of A. Permit ☐ Obtained ☐ N.A.		
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 68,000

PLAN CHECKING FEE	Receipt #6980	259 50
PERMIT FEE		346 00
DRAINAGE FEE		2500 00
SYSTEMS FEE 1%		680 00
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL		3526 00

Processed by

Permit No. 80-1196 Validation [illegible] Date 5/7/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. ____ B. & P.C. for this reason ____

Date 5/7/80 Owner Mark Kellner

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. ____ Company ____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 5/7/80

Mailing Address ____

City, State, Zip ____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh; Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint-Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/80	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sft., Bonding, Exp. Soil, Ramp Lac., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HIGHWAY		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE		
Mailing Address	12459 ARROW HWY		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	ROY O. HUFFMAN ROOF CO.		
Address	5971 JURUPA AVE.		
City	RIVERSIDE	Zip 92504	Tel. 689-8330
State Lic. & Classif.	316458 C-39	City Lic. No.	2269
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	RE-ROOF (Retro)		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☐ Add. ☐ Alter. ☐ Repair ☒ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load	F. D. Appr. Required ☐		H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		C. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 5,501.00

FEES		
PLAN CHECKING FEE	42	38
PERMIT FEE	56	50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL	98	88

Processed by SM. Permit No. 80-1045 Validation OK Date 4/21/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. WR-106028 Company Mission Ins. Co.

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

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CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 4/21/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/80	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sll., Banding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy

Owner: TAMCO

Mailing Address: P.O. Box 325

City: Etiwanda | Zip: 91739 | Tel: 987-2521

Contractor: TAMCO (OWNER)

Address: 12459 Arrow Hwy

City: Etiwanda | Zip: 91739 | Tel: 987-2521

State Lic. & Classif. | City Lic. No.

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Profesions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Mark Reeves Date: 5/7/80

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. .....@.....	
	Sq. Ft. Area New Res. Accessory Bldg. .....@.....	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee.....		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets.....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other Water conn	3 50
	Plan Chk. Fee.....		Issuance Fee	7 00
	TOTAL PLUMBING FEES			10 50

TOTAL ELEC., MECH., PLMBG. FEES

Processed By: OK | Spec. Cond.

Permit No. 80-1195 | Validation: JC | Date: 5-7-80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services	12/22/80	[signature]	
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM. POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy				
Lot No.	Block	Tract			
Owner	TENCO				
Mailing Address	12459 Arrow Hwy				
City	ETIWANDA	Zip	91739	Tel.	987-2521
Contractor	OWNER				
Address					
City		Zip		Tel.	
State Lic. & Classif.				City Lic. No.	
Arch., Engr., Designer					
Address				Tel.	
City		Zip		State Lic. No.	
Proposed Construction	8'HIGH X 2400' LONG FENCE 2 3/8" SCH 40 POLE W/ 11GA FABRIC FOOTINGS 30" DEEP X 8" DIA.				
Sq. Ft. Size		No. Stories		No. Dw. Units	

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	—	Type Const.	V-N	Occ. Group	M-2
Occ. Load	—	No. Dw. Units	—	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms		Lot Size Size	14 acres	APN	
CCWD Appr. Required ☐		H.D. Appr. Required ☐		F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:					

VALUATION: $ 13,500

OFFICE USE		
PLAN CHECKING FEE		
PERMIT FEE	104	50
DRAINAGE FEE (1 acre min.)	2500	00
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
Processed By	School Fee Recpt. # —	TOTAL 2609 50
Permit No. 80-1886	Validation Cash.	Date 6/26/80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

◯ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

◯ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

◯ I am exempt under Sec. _____, B. & P. C. for this reason _____

6/25/80 Owner Mark Kelting

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

◯ Copy filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declaration(s) are correct. I agree to comply with all City and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Kelting Date 6/25/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roof., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plumb., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/22	Rehk
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH.		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW Hwy RC		
Owner	AMERON		
Mailing Address	12459 ARROW Hwy R		
City	R. C.	Zip	Tel. 899-1716
Contractor	WHITTAKER EVERT, CO		
Address	305 So 'J' ST.		
City	SAN BNDO	Zip 92410	Tel. 8899895
State Lic. & Classif.	164965 C10	City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 6680975 Company GREAT AMERICAN

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 6/30

Mailing Address 305 So J ST.

City, State, Zip SAN BNDO 92410

ELECTRICAL SYSTEM

No.	Description. (Additions, Commercial, (Industrial))	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
10	Motors 4 HP 150 HP (HP ea. 30-50 HP 2 @ 40 HP)	235 00
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. .....@.....	
	Sq. Ft. Area New Res. Accessory Bldg. .....@.....	
	Plan Chk. Fee ..... Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	242 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee.....		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets.....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee.....		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES

Processed By	MKF	Spec. Cond.	
Permit No.	80-1945	Validation	Date 7/2/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT			
ROUGH WIRING			
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.	12/28/84	Hild	
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDR FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

ELECTRICAL
MECHANICAL
PLUMBING
SWIM POOL / SPA

PC#399

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	PO Box 325		
City	Etiwanda	Zip 91739	Tel. 907-2521
Contractor	OWNER-BUILDER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	FOUNDATION FOR DOLOMITE SILO		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Dns. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION: $ 5500 00 8/19/80

FEES		
PLAN CHECKING FEE	pd. 080526	42 38
PERMIT FEE		56 50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		56 50

Processed By JS School Fee Recpt. #

Permit No. 80-3602 Validation JM Date 11-5-80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

○ I am exempt under Sec. ____ B. & P. C. for this reason ____

Mark Holm

Date 8/19/80 Owner

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. ____ Company ____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant ____ Date 8/19/80

Mailing Address ____

City, State, Zip ____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	12/15/20	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/20	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Arrow Hwy

Owner: AMERON STEEL, I Comp

Mailing Address: SAME

City: Rancho Cucamonga | Zip: | Tel.: 984 2504

Contractor: W Hutchison Electric Co.

Address: 553 So "E" St

City: San Bernardino | Zip: 92410 | Tel.: 889 9895

State Lic. & Classif.: C-10 | City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of [illegible] of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. DC 116805 Company _____

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions, or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: W J Jackson Date: 8-15-80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 2 1200A 2)	20 00
	Outlets (Receptacles, Lights, Switches) 21 3	11 00
	Fixtures 15	7 50
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	45 70

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 45 70

Processed By: [illegible] Spec. Cond.

Permit No.: 02529 Validation: [illegible] Date: 8-15-80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING OK	8/5/80	Hall	
	NEW SERVICE			
	FIXTURES OK	9/12/80	Hall	
	FINAL ELEC. INSP. OK	9/12/80	Hall	
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW				
Lot. No.	Block	Tract	No. Stories	Type Const.	Occ. Group
Owner	AMERON - TAMCO		Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Mailing Address	12459 ARROW - PO BOX 325		No. Bedrooms	Lot Size / Size	APN
City	ETIWANDA	Zip 91739 Tel 987-2521	Approved Plan. Div.	Approved Eng. Div.	Approved Fire Dist.
Contractor	OWNER		Special Conditions:		
Address	(SAME AS ABOVE)				
City	Zip	Tel.	VALUATION: $	1000.00	
State Lic. & Classif.		City Lic. No.	PLAN CHECK		17 50
Arch., Engr., Designer			PERMIT		
Address		Tel.	DRAINAGE		
City	Zip	State Lic. No.	SYSTEMS		
Proposed Construction	MONUMENT TYPE SIGN ERECTION (REMOVE OLD NON-CONFORMING SIGN)		BEAUTIF.		
Sq. Ft. Size	32 SQ FT	No. Stories / No. Dw. Units	PARK		Park
New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☑			OTHER		
			Processed By	School Fee Pmt. Verified	TOTAL 17.50
			Permit No.	84-8425	Validation / Date 12/18/84

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☑ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 12/17/84 Owner TAMCO / R Barmir

WORKERS' COMPENSATION DECLARATION

☑ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant AMCON / TAMCO Date 12/17/84

Mailing Address 12459 ARROW PO BOX 325

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.		
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER.		
PERCOF:		
SIGN(S):	2-24-86	Thomas
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		
Lot No.	Block	Tract	
Owner	AMERON		
Mailing Address	12459 ARROW HWY		
City	R.C.	Zip 91739	Tel (714) 899-1723
Contractor	OWNER - Ameron		
Address	12459 Arrow Highway		
City	Etiwanda	Zip 91739	Tel (714) 899-1723
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____ B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this applicant and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mary L. Ameron Date July 30, 1987

Mailing Address Post Office Box 8

City, State, Zip Etiwanda, CA 91739

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct	1	Other: BOILER 20 H.P.	20 00
	Plan Chk. Fee / Issuance Fee			7 00
	TOTAL MECHANICAL FEES			27 00

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	1	Gas System (No. Outlets 1)	3 50
	Lavatories		Water H '	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee (PAID)			7 00
	TOTAL PLUMBING FEES			10 50

TOTAL ELEC., MECH., PLMBG. FEES 37 50

Processed By RMD. Spec. Cond.

Permit No. 87-10333 Validation Date 7/30/87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECO			INSPECTOR NOTES: SAFE MAX. PRESSURE 30PSI
ELECTRICAL	UNDERGROUND CONDUIT		
	ROUGH WIRING		
	NEW SERVICE		133 WORKING PRESS
	FIXTURES		MAX. WATER TEMP. 210°
	FINAL ELEC. INSP.		
	TEMP. POWER POLE		
	OTHER		
	OTHER		
	ELEC. UTILITY CLRNCE.		
MECHANICAL	U. G. DUCTS/REFRIG. LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs	CJ	9/17/87
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports		
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
	GAS TEST		
	FINAL PLMBG. Fixtures, Valves, Services	CJ	9/17/87
	WATER HTR. Vent, Valves, Press. Rel. Valve		
	SEWER/PRIV. DISP. SYSTEM		
	OTHER		
	OTHER		
	GAS UTILITY CLRNCE.		
SWIM POOL / SPA	BONDING		
	U.G. CONDUIT		
	GAS PIPING Material, Depth		
	GAS TEST		
	HEATER Vent, Clearance, Location, Shut-off		
	FINAL POOL ELEC.		
	FINAL POOL PLMBG.		
	OTHER		
	INSPECTION	DATE	INSP. SIGN.

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY., ETIWANDA, CA		No. Stories	Type Const.	Occ. Group M-1
Lot No.	Block	Tract	Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Owner	AMERON STEEL & WIRE DIVISION		No. Bedrooms	Lot Size	APN
Mailing Address	P.O. BOX 8 12459 ARROW HWY.		Approved Plan. Div.	BN 2/26/88	Approved Eng. Div.
City	ETIWANDA	Zip 91739 Tel. (714) 899-1723	Special Conditions:		Approved Fire Dist.
Contractor	OWNER - BUILDER				
Address					
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer	T. SONG - YING ENG GEORGE C. HOPKINS CONSTR. CO.				
Address	1500 GARDENA AVE.	Tel. (213)245-1136			
City	GLENDALE	Zip 91204 State Lic. No. C03288			
Proposed Construction	(1) Storage Tank Foundation & (U) Equipment Pad				
Sq. Ft. Size	250 + 350	No. Stories 1	No. Dw. Units		
New ☒	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐	

VALUATION: $ 11,000 est

FEES			
	PLAN CHECK	64	88
	PERMIT	86	50
	DRAINAGE		
	SYSTEMS		
	BEAUTIF		
	PARK		
	OTHER		
	TOTAL	151	38

Processed By [illegible] School Fee Pmt. Verified

Permit No. 88-2124 Validation 12 Date 2-26-88

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors' License Law.)

○ I am exempt under Sec. B. & P. C. for this reason

Date Owner

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. Company

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name

Lender's Address

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 2/26/88

Signature of Applicant [signature]

Mailing Address Ameron Steel & Wire P.O. Box 8

City, State, Zip Etiwanda CA 91739

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	3-3-88	R.L.
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg. Footings Walls #2	3-15-88 3-22-88	R.L. R.L.
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted. Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	5-13-88	R.L.

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Clears, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
BLENDER:		
RE-ROOF:		
BURNER:		
NOTICE:	DATE	INSP. SIGN.

INSPECTION NOTES:

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12457 ARROW ROUTE		
Lot. No.	Block	Tract	
Owner	AMERON		
Mailing Address	PO BOX 8		
City	ETIWANDA	Zip 91739	Tel. 899 1723
Contractor	KENT ELECTRIC CO		
Address	11631 INDUSTRY AVE		
City	FONTANA	Zip 92335	Tel. 881 2460
State Lic. & Classif.	C10 305570	City Lic. No.	012785

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7051) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be revoked.

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 3/9/88

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 225 Amp 460 V.)	25 00
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. 30, 7.5, 5, 3, 2, 1½)	42 00
	Other (Specify 3 KVA TRANS.)	5 00
	Sq. Ft. Area New Residential Bldg. ____ @ ____	
	Sq. Ft. Area New Res. Accessory Bldg. ____ @ ____	
	Plan Chk. Fee ____ Issuance Fee	17 00
	TOTAL ELECTRICAL FEES	79 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Unit Heater		Air Handler to & includ. 10,000 cfm	
	Duct Work/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee ____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets ____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk Fee ____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 79 00

Processed By TOtee | Spec. Cond.

Permit No. 58-2582 | Validation CP | Date 3-9-88

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.	5-9-18	C Bailey	
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PR. V. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

617 0277

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY, ETIWANDA, CA		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIVISION		
Mailing Address	P.O. Box 8		
City	ETIWANDA	Zip 91739	Tel. (714) 899-1723
Contractor	OWNER - BUILDER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date 04-08-88 Owner W. Frank E. Sauch

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant W. Frank E. Sauch Date 04-08-88

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. .....@.....	
	Sq. Ft. Area New Res. Accessory Bldg. .....@.....	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets.....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other URBID	3.50
	Plan Chk. Fee		Issuance Fee	7.00
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES			10.50
Processed By		Spec. Cond.	
Permit No. 88-4252	Validation	Date 4-8-88	

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

ELECTRICAL	UNDERGROUND CONDUIT			INSPECTOR NOTES
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings	5-13-88	RR	
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services	5-13-88	RR	
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

JK12

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address	12459 ARROW RT.
Block / Tract	
Lot No.	
Owner	TAMCO
Mailing Address	PO BOX 325
City	ETIWANDA
Zip	91739
Tel	987 2521
Contractor	KENT ELECTRIC
Address	11631 INDUSTRY AVE
City	FONTANA
Zip	92335
Tel	829 7966
State Lic. & Classif.	C10 305570
City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code)

Policy No. 000753108S7 Company CAL. CASUALTY

☒ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 5/2/88

Mailing Address 11631 INDUSTRY AVE

City, State, Zip FONTANA CA 92335

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
11	Outlets (Receptacles, Lights, Switches)	5 50
	Fixtures	
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	12 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			CASH

TOTAL ELEC., MECH., PLMBG. FEES 12 50

Processed By _____ Spec. Cond. _____

Validation _____

Permit No. 88-5116

Date 5/2/88

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION REC			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES	6/22/89	DT	
	FINAL ELEC. INSP.	6/26/89	DT	
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATEP HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

8705 0537

J-K-13

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Highway		
Lot. No.	Pcl. 2	Block 121	Tract PM 2421
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	Etiwanda	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer	Ely Energy, Inc.		
Address	11385 E. 60th Place So.		Tel. 918-250-6600
City	Tulsa, OK	Zip 74146	State Lic. No.
Proposed Construction	LP Gas Storage Tanks		
Sq. Ft. Size	3,000	No. Stories 1	No. Dw. Units

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
Nc. Bedrooms	Lot Size		APN 209-121-33

Approved Plan. Div. 12/13/89 Approved Eng. Div. 11/29/89 Approved Fire Dist.

Special Conditions: As per conditions listed in 11/30/89 letter.

VALUATION: $ 200,000

FEES			
PLAN CHECK	89-10271		
PERMIT		699	00
DRAINAGE			
SYSTEMS			
BEAUTIF	OK		
PARK			
OTHER			
Processed By	School Fee Paid, Verified	TOTAL	699 00

Permit No. 89-16358 Validation DE Date 12/14/89

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[X] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[X] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 12/13/89 Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[X] I certify that in the performance of the work, for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 12/13/89

Mailing Address P.O. Box 325

City, State, Zip Etiwanda, CA 91379

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

FOUNDATION: Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation	12/13/89	DF
FLOOR SLAB/JSTS., GIRDERS: Mach. Vap. Barrier, Blkg., Spans, Access. Vents, Tr. Embr.		
MASONRY: Reinf., Mortar, Grout Lifts, Clean-Outs, Bolts. Walls	12/15/89	DF
ROOF SHTG.: Nailing, Blocking, Material, Cradle and Thickness, Roof Drains.		
FRAMING: Walls, Refr., Jsts., Blocking, Bracing, Nailing, Pockets, Diaphr. Drag Struts.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR LATH/DRY WALL: Nailing, Supports, Tapes, Joint Reinf.		
EXTERIOR LATH/SHTG.: Mesh, Fasteners, Lath, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope, Plant., Sewage Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Cmpl.	6-[illegible]-90	J.J. All corrections done.
SWIMMING POOL/SPA		
EXCAV., REINF., SETBACKS: Radius Stl., Bonding, Exp Soil, Ramp Loc., Surcharge, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH		
RETAINING WALL		
DUST COLLECTION SYSTEM		
VENEER		
RE ROOF		
SIGN(S)		
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

6-2-90 Finaled by KFP
by TIM Ferguson

J-K-14

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Azad Hwy

Lot. No. / Block / Tract:

Owner: TAMCO

Mailing Address: P.O. Box 325

City: FONTANA | Zip: 91729 | Tel.: (714)-987-2521

Contractor: TAMCO - owner

Address:

City | Zip | Tel.:

State Lic. & Classif. | City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date 2 Feb 90 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 2 Feb 90

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles. Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Fir./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Others	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	1	Gas System (No. Outlets 1)	3 50
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System ~~COST~~	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other ~~PROPANE SYSTEM~~	3 50
	Plan Chk. Fee / Issuance Fee			7 00
	TOTAL PLUMBING FEES			14 00

TOTAL ELEC., MECH., PLMBG. FEES 14 00

Processed By: [signature] | Spec. Cond.:

Permit No. 90-946 | Validation R | Date 2/2/90

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports	2/6/90	DT	
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST	2/6/90	DT	
	FINAL PLMBG. Fixtures, Valves, Services	6-25-90	J.G.	SEWER/PRIV. DISP. SYSTEM DIAGRAM
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.	6/27/90	DL	
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address	12459 Arrow Highway
Lot No. / Block / Tract	
Owner	TAMCO
Mailing Address	P.O. Box325
City / Zip / Tel.	Etiwanda / 91739 / 714 987-2521
Contractor	CDK
Address	1490 Rubidoux Blvd.
City / Zip / Tel.	Riverside CA / 92509 / 782-8208
State Lic. & Classif. / City Lic. No.	419618-A-B EC10 /

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date 2-27-90 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 2-27-90

Mailing Address P.O. Box 325 1490 Rubidoux Blvd

City, State, Zip Etiwanda, CA 91739 Riverside, Ca. 92509

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 1 600-A 480V)	37 50
11	Outlets Gen Lts & Recps (Receptacles, Lights, Switches)	8 25
0	Fixtures 7.50 7.50 7.50 7.50	30 00
4	Motors (HP ea. ~~7.5HP~~ ~~10HP~~ ~~10HP~~ ~~1.5HP~~ 200HP 5HP 5HP 3/4HP)	~~60~~ ~~30~~
0	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. 0 @	
	Sq. Ft. Area New Res. Accessory Bldg. 210 @	
	Plan Chk. Fee 6188 / Issuance Fee	15
	#90-127 TOTAL ELECTRICAL FEES	82 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	150 75
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Sus. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 150 75

Processed By PB Spec. Cond.

Permit No. 90-3129 Validation CV Date 4-17-90

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

0177 0004

	INSPECTION REC			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			5-11-90 ~ Need to be inspect
	NEW SERVICE			Items 3-4-#6 Dated ~ 4-23-90
	FIXTURES			Correction Inst.
	FINAL ELEC. INSP.	6-15-90	CB	
	TEMP. POWER POLE			6-13-90 Door Tag CB
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.	6/27/90	ds	
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

SEWER/PRIV. DISP. SYSTEM DIAGRAM

A-77-0085

J-K-13

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW ROUTE		
Lot No.	Block	Tract	
Owner	AMERON WIRE & STEEL		
Mailing Address	12459 ARROW ROUTE		
City	ETIWANDA	Zip 91739-0000	Tel.
Contractor	SOUTHERN CAL EQUIP. CO		
Address	1334 W. GLADSTONE ST		
City	AZUSA	Zip 91790	Tel. 818-334-0205
State Lic. & Classif.	458771 C-61	Lic. Expiration	Bonding
Arch., Engr., Designer	PAULSON ENG.		
Address			Tel.
City	GLENDORA	Zip	State Lic. No. S-1608
Proposed Construction	PERSONNEL PLATFORM FOR AIR SYSTEM ON ROOF W/ ACCESS LADDER ON EXTERIOR WALL		
Sq. ft. Size	No. Stories	No. Dwg. Units	

New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group M-1
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Area		APN 229-13-03
Approved Plan. Div. 9/11/89	Approved Eng. Div. 9/19/89		Approved Fire Dist.
Special Conditions:			

VALUATION: $ 12,000

FEES		
PLAN CHECK	#89-1318-0	92.50
PERMIT		
DRAINAGE		
SYSTEMS		
BEAUTIF		
PARK		
OTHER		
Processed By	School Fee Emt. Verified	TOTAL 92.50

Permit No. 89-1355 Validation Date 10-4-89

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

James C. Southerland

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Code*: *Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code*: *The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code*: *The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code*.)

Policy No. 104464-89 Company STATE FUND

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT- If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code*.)

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant James C. Southerland Date 9-15-89

Mailing Address 1334 W. GLADSTONE ST

City, State, Zip AZUSA, CA. 91702

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Or. Certif. Comp. Tests, Setbacks) Forms, Reinf. Steel, Excavation		
FLOOR SLAB/TSTG., CRIDERS (Mark Vac. Barrier, Bldg., Sparks, Access, Vents, Termite)		
MASONRY: Reinf., Mortar, Jts., Finish, Lintels, Grout, Cure, Bolts		
ROOF SHTG: (Nailing, Blocks, Blocking, Marks of Grade and Thickness, Roof Plans		
FRAMING: Wood, Bolts, Jts., Blocking, Engrg., Nailing, Bolting, Connectors, Roof Plan		
INSULATION: Thickness, R-Value, Piping, Vapor Barrier		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links		
INTERIOR LATH, DRY WALL: Nailing, Supports, Lath, Joint Reinf.		
EXTERIOR LATH, STUCCO: Mesh, Fasteners, Lath, Paper, Thickness, Backing		
FINAL INSPECTION: Fence, Gates, Comb. Clear, Plant, Energy Comp., Solid Fence, Exp. Joint, Fire Sprnk., Exits, Locking Devices, Handicap, House Numbers, Weather Stripping, Fire Dept. Clear	4/11/90	

SWIMMING POOL/SPA

EXCAV., REINF., SETBACKS: Radius Sft., Bonding, Exp. Jt., Ramp Loc., Drainage, Spa Ident.		
FENCE/GATES: Height, Closers, Alarm(s), Latches, Stability.		
FINAL INSPECTION: Pool Cover		

MISCELLANEOUS

SPRAY PAINT Bbooth		
BRACING WALL		
DUST COLLECTION SYSTEM		
VENEER		
FLOOR		
SIGN(S)		

INSPECTION NOTES

Industrial Wire is the - - - -
Owner of this permit

1st Rebuild Notice sent
6/29/90 Dc

BUILDING AND SAFETY DIVI[illegible]

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 ARROW RT.			
Lot. No.	Block	Tract	
Owner: TAMCO			
Mailing Address: P.O. Box 325			
City: ETIWANDA	Zip: 91739	Tel.: 987-2521	
Contractor: Owner			
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer: DONALD R. WARREN CO.			
Address: 930 W. SUNSET BLVD		Tel.: 213-626-0101	
City: LOS ANGELES	Zip: 90012	State Lic. No.	
Proposed Construction: BUILDING ADDITION			
Sq. Ft. Size: 5,000	No. Stories: 1	No. Dw. Units	
New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐			

No. Stories: 1	Type Const.: II-N		Occ. Group: B-2
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
Approved Plan. Div.	Approved Eng. Div.		Approved Fire Dist.

Special Conditions: PC, 87-11087

VALUATION: $ 100,000

FEES			
	PLAN CHECK		
	PERMIT	442	00
	DRAINAGE		
	SYSTEMS		
	BEAUTIF		
	PARK		
	OTHER		
Processed By: TRM	School Fee Cert. Verified: 11-23-87	TOTAL	442 00
Permit No.: 87-15240	Validation: CP	Date: 11-23-87	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5. Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

☐ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date: 11-23-87 Owner: [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 11-23-87

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation)	12-1-87	Thomas
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	3-23-88	RL
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stop/.	3-23-88	RL
INSULATION: Thickness, R-Values, Fitting, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.	5-23-88	RL
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/14/92	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

11-30-87 Pad ftgs @ grid line C+E Thomas

12-9-87 GM TIE BEAM AT NORTH PILE CAPS

12-9-87 PANELS STEEL LINE B (15-13)

· LINE 15 (G-D) G (13-14) INSPECTED PRIOR TO STAMPED SET OKD PER JIM C. ~~[illegible]~~ PANEL STEEL LAYOUT CORRECTIONS WITH ~~[illegible]~~ APPROVED SET STAMPED 12.10.87 GM

12.17.87 GM EXT SKIRT WALLS + GRADE BEAM NORTH WALL INT PIER SKIRT WALLS

12.18.87 GM · INSPECTION ON SITE. CHARLES MANSON LIC COUNTY # 0386 FOR CONCRETE 110 405 +

12-22-87 WAINSCOTE PANELS LINE 15 (D-B) LINE G 14-15.

12-29-87 GM PERIMETER SLABS

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW ROUTE
Lot No. / Block / Tract:
Owner: AMERON
Mailing Address: P.O. BOX 8
City: ETIWANDA Zip: 91739 Tel: 899 1723
Contractor: KENT ELECTRIC CO
Address: 11631 INDUSTRY AVE
City: FONTANA Zip: 92335 Tel: 829 7966
State Lic. & Classif.: C10 305570 City Lic. No.: PENDING

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

- I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.
- I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.
- I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 00075310860 Company: Calif. Casualty

- Copy is filed with the city.
- Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: _____ Date: 8/9/87

Mailing Address: _____

City, State, Zip: _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
2	Outlets (Receptacles, Lights, Switches)	100
	Fixtures	
	Motors (HP ea. 1 - 3/4 HP)	
	Other (Specify Boiler 120 V)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	8 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Others:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			N/A

TOTAL ELEC., MECH., PLMBG. FEES 8 00

Processed By: _____ Spec. Cond.: _____

Permit No.: 87-1299 Validation: SM Date: 8-9-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REC		INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT		
	ROUGH WIRING	3-25-92 RL	
	NEW SERVICE		
	FIXTURES		
	FINAL ELEC. INSP.	9/14/92 GZ	
	TEMP. POWER POLE		
	OTHER		
	OTHER		
	ELEC. UTILITY CLRNCE.		
MECHANICAL	U. G. DUCTS/REFRIG. LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs		
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports		
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
	GAS TEST		SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services		
	WATER HTR. Vent, Valves, Press. Rel. Valve		
	SEWER/PRIV. DISP. SYSTEM		
	OTHER		
	OTHER		
	GAS UTILITY CLRNCE.		
SWIM POOL / SPA	BONDING		
	U.G. CONDUIT		
	GAS PIPING Material, Depth		
	GAS TEST		
	HEATER Vent, Clearance, Location, Shut-off		
	FINAL POOL ELEC.		
	FINAL POOL PLMBG.		
	OTHER		
	INSPECTION	DATE	INSP. SIGN.

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 ARROW			No. Stories	Type Const.	Occ. Group
Lot. No.	Block	Tract	Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Owner: TAMCO			No. Bedrooms	Lot Size	APN
Mailing Address: 12459 ARROW, PO BOX 325			Approved Plan. Div.: ALL 2-27-86	Approved Eng. Div.: 3/19/86	Approved Fire Dist.
City: ETIWANDA	Zip: 91739	Tel: 987-2521	Special Conditions: EXTERIOR FINISH TO MATCH EXISTING PORTION OF BLDG.		
Contractor: OWNER/METRO STEEL BLDG'S					
Address: 1520 W ROOSEVELT ST.					
City: AZUSA	Zip: 91702	Tel: 818 334-5121	VALUATION: $		
State Lic. & Classif.: 147878 B1		City Lic. No.			
Arch., Engr. Designer: RICHARD O. PERRY			FEES: PLAN CHECK		
Address: 220 F S. INDIAN HILL BLVD		Tel: 714 626-8005	PERMIT	343	00
City: CLAREMONT	Zip: 91711	State Lic. No. 14342	DRAINAGE		
Proposed Construction: 2-BAY ADDITION TO EXISTING STEEL BLDG.			SYSTEMS		
			BEAUTIF.		
			PARK		
			OTHER		
Sq. Ft. Size: 3570	No. Stories: 1	No. Dw. Units	Processed	School Fee Pmt. Verified	TOTAL 343 00
New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐			Permit No. 861235	Validation	Date 10-15-86

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 2/20/86 Owner TAMCO BY [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code*)

Policy No. 2015-00-053498 Company WAUSAU

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

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CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant TAMCO BY [signature] Date 2/20/86

Mailing Address PO BOX 325

City, State, Zip ETIWANDA, CA 91739

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	3-28-00	RR
FRAMING: Walls, Ralt., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stp.	3-28-00	RR
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.	3-23-00	RR
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Plg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/14/00	a
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sit., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW ROUTE		
Lot. No.	Block	Tract	
Owner	TAI.		
Mailing Address	12459 ARROW ROUTE		
City	ETIWANDA CA	Zip	Tel.
Contractor	ADVANCE MECHANICAL CONTRACTORS Inc		
Address	1456 E. HILL ST.		
City	LONG BEACH CA	Zip 90806	Tel. (213) 426-1725
State Lic. & Classif.	262042 A,C-36	City Lic. No.	pending

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 40-0376-86-4 Company USF&G

○ Copy is filed with the city. ◉ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Bart Bartolome Date 3-5-87

Mailing Address SAME

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	3	Gas System (No. Outlets 1)	10 50
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	7 00
	TOTAL PLUMBING FEES			17 50

TOTAL ELEC., MECH., PLMBG. FEES 17 50

Processed By RM	Spec. Cond.	
Permit No. 87-3369	Validation OK	Date 3-5-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION REC		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services	9/14/92	CJ
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent/ Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

GASLINE GOING FROM HIGH PRESSURE TO LOW PRESSURE 4 1/2 VAULTS FOR REGULATORS. O.K. TO COVER GAS LINE & TUE 9/17/92 VAULTS (LINE 4' DEEP) CJ

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 ARROW HWY
Lot No. / Block / Tract:
Owner: TAMCO
Mailing Address: 12459 ARROW HWY
City: RANCHO CUCA. Zip: 91730 Tel: (714) 987-2521
Contractor: B+A CONSTRUCTION
Address: 10747 FREMONT
City: ONTARIO Zip: 91761 Tel: 714 623-2427
State Lic. & Classif.: 504541 A City Lic. No.: 5601

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. C2793080 3 Company PACIFIC MUT. INS. CO.

⊗ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing is/its declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Allen Bowe Date: 11/4/87

Mailing Address: 10747 FREMONT AVE.

City, State, Zip: ONTARIO, CALIF. 91761

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. _____ 2)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Others	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks	1	Sewer Conn.	100 00
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee (Cash)	17 00
	TOTAL PLUMBING FEES			117 00

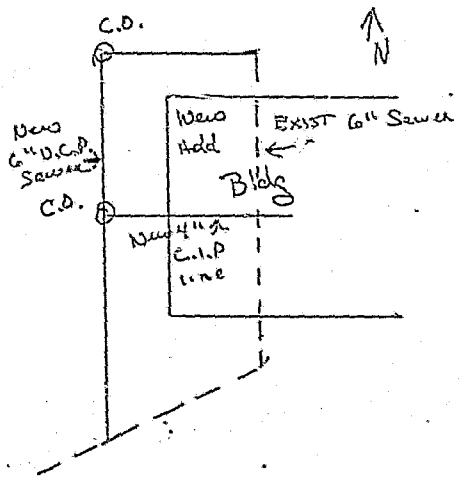
TOTAL ELEC., MECH., PLMBG. FEES: 117 00

Processed By: T Pitts
Spec. Cond.:
Permit No.: 87-14748
Validation: 296
Date: 11-4-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION REQUIRED			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			
	FINAL PLMBG. Fixtures, Valves, Services	9/14/87		
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM	11.5.87	TM	
	OTHER + CAST IRON BRACKET			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

SEWER/PRIV. DISP. SYSTEM DIAGRAM



Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE B **Record Number: PMT2019-00293**

Parcel #: 022913124-0000 Lot: Issued Date: 06/06/2019
Tract: Phase: Parcel Area:
Project Description: EDR Fire Service Upgrades as required in the previously approved Fire Protection Plan for CMC Metals

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor
P M C INC
14563 MANZANITA DRIVE
562-905-3101

License No.
848448

Fees	
Type	Amount
Technology Fee	$22.96
Inspection Fee	$328.00
Plan Check Fee	$328.00
Processing Fee - Commercial Routed	$328.00
General Plan Maintenance Fee	$65.60
Permit Fee:	**$1,072.56**

Fire Alarm Detail	
Fixture Type	Qty

Fire Miscellaneous Detail	
Fixture Type	Qty

Fire Underground Detail	
Fixture Type	Qty
Private Underground Fire Service	1

FINALED
3/17/20
TG

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 6-6-19

THIS IS A PERMIT WHEN PROPERLY COMPLETED AND SIGNED. THIS PERMIT IS SUBJECT TO EXPIRATION IF THE WORK AS DESCRIBED IN THE PERMIT IS NOT COMMENCED, IS ABANDONED, OR IS SUSPENDED FOR MORE THAN 180 DAYS.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date _____

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 848448

Date: 6-6-19 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☑ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. G27429683006

- ☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE FUND	9028937118	10/1/19
Carrier	Policy Number	Expire Date

MARLON AVALOS	714-221-5200
Name of Agent	Phone Number

- ☑ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 6-6-19
Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

By my signature below, I certify to each of the following:
I am (✓) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Signature _____ Date 6-6-19

FIRE CONSTRUCTION SERVICES
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2713
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2011-01255**

VALUATION :

ISSUED : November 09, 2011

PROJECT DESCRIPTION : FIRE ALARMS FOR THE MELT SHOP (TAMCO STEEL) - 147 DEVICES

Owner
AMERON, INC
P O BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
CHAMPION FIRE SYSTEMS, INC
12170 SANTA MARGARITA COURT
RANCHO CUCAMONGA, CA 91730

Telephone : 909 483-9789

License No.
CON710918 C16/C10

Case Notes :

FINALED 6/18/13 MAF

Fees

Type	By	T.C.	Amount
F-Plan Review Fee (57%)	BS1	1083	$42.28
F-Hourly Review Rate	BS1	1083	$237.26
F-Inspection Fee (43%)	BS1	1086	$129.85
Permit Fee:			**$409.39**

Fire

Fire Items	Units
FA/Fire Monitoring (51-500 devices/system)	147 00

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Sancha Smith Date 11/9/11

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code· The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http //www.leginfo ca gov/calaw html

_____
Date:

_____
Signature of Property Owner or Authorized Agent·

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: A C-16 License No : # 710918 Date: # 11/9/11

Contractor Signature # Sandra Smith

WORKERS' COMPENSATION DECLARATION

WARNING. FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued

Policy No. _____

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued My workers' compensation insurance carrier and policy number are:

NORTHERN INS WC0307648800-1 10/1/12

Carrier· Policy Number: Expire Date:

_____ _____

Name of Agent Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Sandra Smith # 11/9/11

Signature of Applicant Date.

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430

YES answers to items 5 or 6, please contact South Coast Air Quality Management Distnct at 800 388-2121

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (__) authonzed to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

Sandra Smith # 11/9/11

Signature of Owner, Authorized Agent or CA licensed contractor: Date

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO : PMT2012-00677**

APN NUMBER : 022913119-0000 ISSUED : March 20, 2012

PROJECT DESCRIPTION : THREE NON-ILLUMINATED MONUMENT SIGNS (DRC2012-00230)

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
YOUNG ELECTRIC SIGN CO.
5405 NORTH INDUSTRIAL PARKWAY
SAN BERNARDINO, CA 92407

Telephone : 909-923-7668

License No.
CON250739 C45

Description	Const. Type	Units
Signs - Ground / Roof / Projecting		3

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR : N

Const. Types

Occupancy Groups

Case Notes :

FINALED 8/9/12 CWL

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Misc. Plan Review Fee 1 (46%)	BS1	1083	$244.07
Misc. Inspection Fee 1 (54%)	BS1	1086	$286.52
Permit Fee:			**$530.59**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Scott Haight Date 3/20/12

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

Date: _____

Signature of Property Owner or Authorized Agent: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: C45 License No.: 250739 Date: 3/20/12

Contractor Signature: [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier:	Policy Number:	Expire Date:
TRAVELERS	PBJUBONS1311	7-1-12

Name of Agent:	Phone Number:
Martin	801-331-1234

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Signature of Applicant: [signature] Date: 3/20/12

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am ☑ a California licensed contractor or (_) the property owner or (_) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

[signature] 3/20/12

Signature of Owner, Authorized Agent or CA licensed contractor: _____ Date: _____

BUILDING AND SAFETY DIVISION

City of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 477-2710

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY RANCHO CUCAMONGA		
Lot No.	Block	Tract	
Owner	TAMCO STEEL		
Mailing Address	SAME AS ABOVE		
City	RANCHO CUCAMONGA	Zip 91739	Tel. (909) 899-0831
Contractor	ENCON ENGINEERING		
Address	9010 WATSON PLAZA Dr. Suite 225		
City	LAKEWOOD	Zip 90712	Tel. (562) 982-0177
State Lic. & Classif.		City Lic. No.	OK

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size .....)	
2	Outlets (Receptacles, Switches, Lighting Outlets) CIRCUITS - LOW VOLTAGE	1 80
	Fixtures	
	Motors (HP each .....)	
	Other (Specify) PICK UP EXISTING CONDUIT W. FC SAME	
	Sq.Ft. Area New Res. Bldg. FOR UG = THANKS INSTALL NEW TEAR ALERT	
	Sq.Ft. Area New Res. Acc. Bldg. ..... @	
Plan Chk. Fee	Issuance Fee	15 00
	TOTAL ELECTRICAL FEES	16 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP	
	Fir./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over10,000 cfm	
	Vent Fan Includ. Duct		Other:	
Plan Chk. Fee		Issuance Fee		
		TOTAL MECHANICAL FEES		

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas Systems (No. Outlets ____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto Washers		Other	
Plan Chk. Fee		Issuance Fee		
		TOTAL PLUMBING FEES		

TOTAL ELEC., MECH., PLMBG. FEES			16 50
Processed By		Spec. Cond.	
Permit No. 98-6932		Validation	Date 12-10-98

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A Lic. No. 748576

Date 12-10-98 Contractor ENCON Engineering Inc

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund Policy Number 1443796-98

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 12-10-98

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REF			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			CCWD APPROVAL REC'D _____ DATE
	ROUGH WIRING			ENGR. FILE NO. _____
	NEW SERVICE			I.W. LOG NO. _____
	FIXTURES			C.C.W.D. INSPECTION REQUIRED YES _____
	FINAL ELEC. INSP.			NO _____
	TEMP. POWER POLE	3-8-99	RL	INSPECTION NOTES
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.	3/8/99		
MECHANICAL	U.G. DUCTS/REFRIG LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports			
	RO. PLMBG. Water, Gas, Vents Supports, Flashings			
	GAS TEST			SEWER / PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves Services			
	WATER HTR. Vent, Valves Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	BACKWATER VALVE			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, CLearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address	12457 ARROW ROUTE
Lot No. / Block / Tract	
Owner	AMERON
Mailing Address	PO BOX 8
City	FTWANDA Zip 91739 Tel 879 1723
Contractor	KENT ELECTRIC CO
Address	11631 INDUSTRY AVE
City	FONTANA Zip 92335 Tel 881 2910
State Lic. & Classif.	C10 305570 City Lic. No 012985

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 3/9/88

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 225 Amp 460 V)	25 00
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. 30, 7.5, 5, 3, 2, 2, 1/2)	42 00
	Other (Specify 3 KVA TRANS)	5 00
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	79 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 79 00

Processed By MAtee | Spec. Cond.

Permit No. 88-2582 | Validation CP | Date 3-9-88

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION RECO			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.	5-9-08	C Bailey	
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM. POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY, ETIWANDA, CA		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIVISION		
Mailing Address	P.O. Box 8		
City	ETIWANDA	Zip 91739	Tel. (714) 899-1723
Contractor	OWNER - BUILDER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☑ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date 04-08-88 Owner Frank E. Lauck

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☑ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Frank E. Lauck Date 04-08-88

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other Oreo	3.50
	Plan Chk. Fee _____		Issuance Fee	7.00
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 10.50

Processed By _____ Spec. Cond. _____

Permit No. 88-4252 Validation _____ Date 4-8-88

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION RECO			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings	5-13-88	RR	
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services	5-13-88	RR	
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

Building Address	12459 ARROW HWY., ETIWANDA, CA	No. Stories	Type Const.	Occ. Group M-1
Lot No. / Block / Tract		Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
Owner	AMERON STEEL & WIRE DIVISION	No. Bedrooms	Lot Size	APN
Mailing Address	P.O. BOX 8 12459 ARROW HWY.	Approved Plan. Div. BN 2126	Approved Eng. Div.	Approved Fire Dist.
City / Zip / Tel.	ETIWANDA 91739 (714) 899-1723	Special Conditions:		
Contractor	OWNER - BUILDER			
Address				
City / Zip / Tel.		VALUATION: $ 11,000		
State Lic. & Classif. / City Lic. No.		PLAN CHECK		64 88
Arch., Engr., Designer	T SUNG & YING CHU GEORGE C. HOPKINS CONSTR. CO.	PERMIT		86 50
Address / Tel.	1500 GARDENA AVE. (213) 245-1136	F DRAINAGE		
City / Zip / State Lic. No.	GLENDALE 91204 C-32382	E SYSTEMS		
Proposed Construction	(1) Storage Tank Foundation & (1) Equipment Pad	S BEAUTIF		
		PARK		
		OTHER		
Sq. Ft. Size	250 + 350	No. Stories 1	No. Dw. Units	Processed By	School Fee Pmt. Verified	TOTAL 151 38
New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐				Permit No. 88-2124	Validation R2	Date 2-26-88

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 2/24/88 Owner [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read the application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 2/26/88

Signature of Applicant [signature]

Mailing Address Ameron Steel & Wire P.O. Box 8

City, State, Zip Etiwanda CA 91739

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	3-3-88 #2 3-18-88	RL
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg. Foundation Walls #2	3-22-88	RL
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Fl./Engr. Clear.	5-13-88	RL
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

THE CITY OF RANCHO CUCAMONGA

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

ELECTRICAL PERMIT

SITE ADDRESS : **12459 ARROW**
STATUS : **ISS**
PROJECT DESCRIPTION : **ELECTRICAL FOR CONDUIT ONLY**

PERMIT NO. : **ELE2000-08402**
APPLIED : **12/26/2000**
ISSUED : **12/26/2000**

Owner
CMC STEEL FABRICATORS INC
P O BOX 1046
DALLAS TX, 75221

Telephone :

Contractor
KENT ELECTRIC
11631 INDUSTRY
FONTANA, CA 92337

Telephone : 909-681-2910

License # : CON 305570(B,C-10)

Fees

Type	By	T.C.	Amount
Issuance Fee	1079	KAP	$15.00
Permit Fee	1079	KAP	$121.00
	Total:		**$136.00**

Electrical Fixtures

Fixture Type	Quantity
Miscellanous Apparatus, Conduits, and Conducto	12.00

FINALED
12/30/02

Notes:

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes. Kent Electric Co.

Signature of Applicant or Agent: X [signature] Date 12-26-00

This is a building permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

12/26/2000 5:14PM

DEPARTMENT COPY

LICENSED CONTRACTORS DECLARATION

I hereby affirm **under penalty of perjury** that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B C10 License No. 305570

Date 12-26-00 Contractor KENT

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number is:

Carrier ACE FIRE Underwriters Ins Co

Policy No. NWC - 001058 - 00

(This section need not be completed if the permit is for one hundred dollars ($100.) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 12-26-00 Applicant: KENT ELECTRIC CO, DAVID L. RODRICKS

OWNER-BUILDER DECLARATION

☐ I hereby affirm **under penalty of perjury** that I am exempt from the Contractors License Law for the following reason *(Sec.7031.5, Business and Professions Code; Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.).:*

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, or who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

☐ I, as owner of the property an exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).*

☐ I am exempt under Sec. _____, B. & P.C. for this reason:

_____

Date _____ Owner _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal to or greater than the amounts specified on the list of extremely hazardous substances	YES	NO
Will the proposed building or modified facility be within 100 feet of the outer boundary of a school?	YES	NO
Will the intended use of the building by the applicant require a permit for construction or modification from the South Coast Air Quality Management District (SCAQMD)? SEE PERMITTING CHECKLIST FOR GUIDELINES	YES	NO

I have read the Hazardous Materials Information Guide and the SCAQMD permitting checklist. I understand my requirements under the California Health and Safety Code Sec. 6.95 and California Government Code sec.65850 and the requirements of the Rancho Cucamonga Fire Department regarding hazardous materials

Owner or Authorized Agent: _____

FNDNCONC

FLAG	ITEM NO.	QUANTITY THIS DWG.	DESCRIPTION	MATERIAL SPECIFICATION
	1	1	XXXX XXXX	XXXX
	2	1	XXXX XXXX	XXXX
	3	1	XXXX XXXX	XXXX
	4	1	XXXX XXXX	XXXX

36'-8 3/16"

(142'-2")

7-BAYS @ 20'-0" = 140'-0"

USE S.W. BLDG. CORNER AS BENCHMARK. COLUMN LINES TO BE PARALLEL WITH CONTROL BLDG. SOUTH WALL.

EL. 67'-6" EL. 68'-0" EL. 68'-0" EL. 67'-6" EL. 68'-0" EL. 67'-6" EL. 68'-0" EL. 67'-6"

1'-0" 5'-0" 1'-6" 3'-0" 6'-0" 3'-0" 1'-1" 2'-0" 9'-0" 6'-0" 2'-0" 1'-6" 3'-0" (3'-3 13/16") 1'-0" 6'-0" 2'-0" 13" 6" (6.187")

TOP OF CONCRETE ELEV. 68'-00"

TOP OF CONCRETE ELEV. 68'-00"

TOP OF CONCRETE ELEV. 68'-00"

8'-0"

20'-0" 20'-0" 20'-0" 20'-0" 20'-0" 20'-0" 20'-0"

(3) ø3/4" CONDUIT 7' LONG, 6" DP.

4'-6"

NEW 6" SLAB

EXTEND SLAB TO CURB

2'-0" 1'-6" 2-#4 x CONT. 6" NEW SLAB #6 VERT. @ 1'-0" C-C #4 @ 1'-6" O.C.E.W.

SEC. A-A

7'-5 1/2" 3'-2" 5'-11" 1'-0" 6'-0"

E

(2'-0") (1'-0") 6" #6 VERT. @ 1'-0" O.C. W/EPOXY

SEC. E-E

75'-7" 16'-0"

EXISTING SLAB

5'-6" (1'-1") C

10'-0"

11'-9" 16'-6" TO BE VERIFIED 11'-9"

C 5-#6 @ TOP & BOTTOM 2'-3" 12'-0" TO BE VERIFIED 2'-3" #5 @ 1'0" O.C.E.W.

TOP OF CONC. CURB EL. 68'-0"

1'-0" 3'-0" 6" 4'-6" 2'-6" 25" TYP. 12" TYP. 3'-0" C (9'-0" x 11'-0")

BOTTOM OF NEW 6" CONCRETE SLAB

SEC. B-B

1'-6" WIDE X 1'-0" HIGH TIE BEAM 1'-0" 1'-0" 1'-0" EMBED EPOXY-IN-PLACE BUNDLER FN'DN. 5-#6 TOP & BOTTOM 2-#6 TIES

SEC. C-C

#4 DOWEL @1'6" O.C. 10" (NEW SLAB) 1'-0" 1'-0" #4 @ 1'-6" O.C.E.W.

SEC. D-D

NEW 6" SLAB

(1) ø3/4 CONDUIT 13' LONG, 6" DP.

7'-6"

BUNDLER FOUNDATIONS

9'-0" NEW 6" SLAB 4'-6" 4'-6" 4'-6"

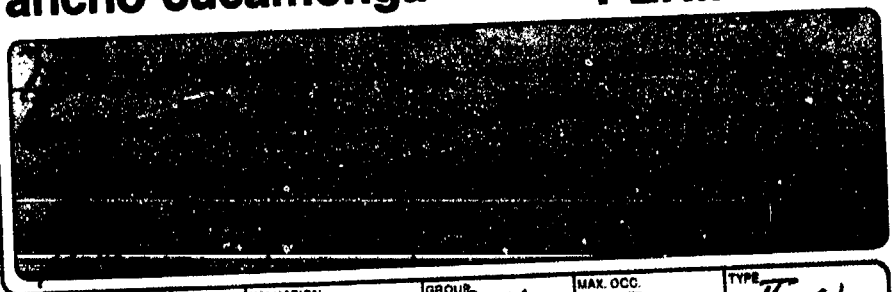
LDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- [x] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING

- [ ] NEW
- [ ] SFD
- [x] ADDN 2
- [x] APT.
- [ ] ALTER
- [ ] DUPLEX
- [ ] REPAIR
- [ ] COMM.



PERMIT NO.	FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
78-382	432 / 1320	15,000	B 4	—	II-N
	LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
	42 Ac ±	—	3	1	—
	ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	
	M-2	—	Dir. Rev	1976	—

PROPOSED WORK/REMARKS

Add Boiler Room Structure, Add bay to Straighten ℄ Cat Dept., Install 100 HP Boiler

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
Drywall nailing	4-5-19	JH.
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	J.H. 4-16-19	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

Lindsey Dandridge-Perry

From: RANCHOCUCAMONGACA Support <ranchocucamongaca@mycusthelp.net>
Sent: Thursday, September 14, 2023 1:59 PM
To: Lindsey Dandridge-Perry
Subject: [Records Center] Public Records Request :: R007700-090523

External Email

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of September 05, 2023, Reference # R007700-090523

Dear Lindsey Dandridge-Perry,

The City of Rancho Cucamonga, City Clerk's Office received the below records request from you on September 05, 2023.

"I would like to review any current or historical building permits for address 12343 Arrow Route, Rancho Cucamonga CA 91739 (APN 0229-121-34-0000)."

The City has determined there are no responsive documents to your request.

If you have any questions, or wish to discuss this further, please contact the Building and Safety department directly at (909) 774-4227.

Sincerely,

Kimberly Solorio
Records Management Analyst
City Clerk's Office/Records Management
records@cityofrc.us
T. (909)-774-2023 Fax (909) 919-2952

To monitor the progress or update this request please log into the Public Records Center

Lindsey Dandridge-Perry

From: RANCHOCUCAMONGACA Support <ranchocucamongaca@mycusthelp.net>
Sent: Wednesday, September 13, 2023 6:02 PM
To: Lindsey Dandridge-Perry
Subject: [Records Center] Public Records Request :: R007698-090523

External Email

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of September 05, 2023, Reference # R007698-090523

Dear Lindsey Dandridge-Perry,

The City of Rancho Cucamonga received the below records request from you on September 05, 2023. Your request mentioned:

> **"I would like to review any current or historical building permits for address 12353 Arrow Route, Rancho Cucamonga CA 91739."**

The City of Rancho Cucamonga has reviewed its files and has located responsive records to your request. Please log in to the Public Records Center at the following link to retrieve the appropriate responsive documents.
Public Records Request - R007698-090523

Thank you for your attention in the matter.

Sincerely,

Kimberly Solorio
Records Management Analyst
City Clerk's Office/Records Management
records@cityofrc.us
T. (909)-774-2023 Fax (909) 919-2952

To monitor the progress or update this request please log into the Public Records Center

Lindsey Dandridge-Perry

From: RANCHOCUCAMONGACA Support <ranchocucamongaca@mycusthelp.net>
Sent: Wednesday, September 13, 2023 6:13 PM
To: Lindsey Dandridge-Perry
Subject: [Records Center] Public Records Request :: R007699-090523

External Email

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of September 05, 2023, Reference # R007699-090523

Dear Lindsey Dandridge-Perry,

The City of Rancho Cucamonga received the below records request from you on September 05, 2023. Your request mentioned:

> **"I would like to review any current or historical building permits for address 12451 Arrow Route, Rancho Cucamonga CA 91739 (APN 0229-121-35-0000)."**

The City of Rancho Cucamonga has reviewed its files and has located responsive records to your request. Please log in to the Public Records Center at the following link to retrieve the appropriate responsive documents.
Public Records Request - R007699-090523

Thank you for your attention in the matter.

Sincerely,

Kimberly Solorio
Records Management Analyst
City Clerk's Office/Records Management
records@cityofrc.us
T. (909)-774-2023 Fax (909) 919-2952

To monitor the progress or update this request please log into the Public Records Center



BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12353 ARROW RTE | **PERMIT NO. : PMT2009-00323**

APN NUMBER : 022912133-0000 ISSUED : March 05, 2009

PROJECT DESCRIPTION : ADD EVR TO EXISTING UNDERGROUND STORAGE TANKS "TAMCO STEEL"

Owner
TAMCO
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
TMR ENVIRONMENTAL
P.O. BOX 941983
SIMI VALLEY, CA 93094

Telephone : 805 218-0360

License No.
CON820320 A

Description	Const. Type	Units

Work Covered
BLD : N ELE : N
MEC : N PLM : N
FIR : Y

Const. Types

Occupancy Groups

Case Notes :

FINALED 4/15/09 RPS

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
F-Hourly Review Rate	BS2	1083	$118.63
Misc. Plan Review Fee 1 (46%)	BS2	1083	$118.63
Misc. Inspection Fee 2	BS2	1086	$118.63
Permit Fee:			**$355.89**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/5/09

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12451 ARROW ROUTE
Lot No. / Block / Tract	
Owner	FONTANA STEEL
Mailing Address	17190 VALLEY BLVD.
City	FONTANA Zip 92335 Tel
Contractor	CLOUD ELECTRIC
Address	190 E. HARRISON
City	CORONA Zip 91719 Tel (714) 734-8441
State Lic. & Classif.	C-522764 C10 City Lic. No.

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code)

Policy No. _____ Company _____

☒ Copy is filed with the city ○ Certified copy is hereto furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read the application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address 190 E. HARRISON

City, State, Zip CORONA, CA. 92719

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Service (Size 2000A)	5000
190	Outlets (Receptacles, Lights, Switches)	6100
319	Fixtures (10)	9970
35	Motors (HP ea. 15-60 HP)	44600
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	700
	TOTAL ELECTRICAL FEES	106370

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 106370

Issued By T. Cole — Spec. Cond.

Permit No. 89-878 — Validation — Date 7-24-89

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12451 ARROW Highway — Block — Tract — Lot No.

Owner: Fontana Steel

Mailing Address: 17190 Valley Blvd — Zip 92335 — Tel. 6852

City: Fontana

Contractor: Clements Htg + Air Cond Inc.

Address: 325 West E St

City: Colton — Zip 92324 — Tel. 8252031

State Lic & Classif.: 223630 C-20 — City Lic. No. 4211

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P.C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a copy thereof, as required by Sec. 3800, Labor Code for the performance of the work for which this permit is issued.

Policy No. WPS9230203 Insurance Company TRAVELERS

○ Copy is filed with the city ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read the application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 5-24-89

Mailing Address 325 West E St

City, State, Zip Colton CA. 92324

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size ...)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. ...)	
	Other (Specify ...)	
	Sq. Ft. Area New Residential Bldg. ... @ ...	
	Sq. Ft. Area New Res. Accessory Bldg. ... @ ...	
	Plan Chk. Fee ... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
3	FAU to & includ. 100,000 BTU	2	Boiler/Compr. to & Includ. 3 HP	30 00
4	FAU over 100,000 BTU	8	Boiler/Compr. over 3 HP to 15 HP	80 00
	Flr./Wall/Susp. Heaters	10	Air Handler to & Includ. 10,000 cfm	100 00
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee ... Issuance Fee			17 00
	TOTAL MECHANICAL FEES			177 00

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System Units, Outlets ...	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee ... Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 177 00

Issued by [signature] Date 5-24-89

Permit No. 89-7016 Validation

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS 12451 ARROW RTE | **PERMIT NO.** . PMT2006-01127

APN NUMBER 022912135-0000 ISSUED May 18, 2006

PROJECT DESCRIPTION 8800 SQ FT STORAGE STEEL CANOPY STRUCTURE FOR FONTANA STEEL

Owner
CMC STEEL FABRICATORS INC
PO BOX 2219
RANCHO CUCAMONGA, CA 91729-2219

Telephone

Contractor
CMC FONTANA STEEL
12451 ARROW RT
ETIWANDA, CA 91739

Telephone 909-899-9993

License No
CON778010

Description	Const Type	Units
Miscellaneous Fees		1

Work Covered
BLD Y ELE N
MEC N PLM N
FIR

Const Types

Occupancy Groups

Case Notes
Per Alternate Method #06055 - automatic fire sprinklers in the canopy structure are not required No combustibles to be stored under canopy

Electrical Fixtures

Fixture Type	Qty

FINALED 3/14/07 MCT

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T C	Amount
Misc Inspection Fee 2	BS3	1086	$114 84
F-Microfilm	LAG	4546	$5 00
Permit Fee			**$119 84**

I certify that I have read this permit and state that all information on both front and back, is correct I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes

Signature of Applicant or Agent _____ Date MAY 18, 2006

This is a permit when properly completed and signed and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : 12451 ARROW RTE | **PERMIT NO. : PMT2007-03279**

APN NUMBER : 022912135-0000 ISSUED : November 26, 2007

PROJECT DESCRIPTION : 2,670 S.F. TENANT IMPROVEMENT "FONTANA STEEL"

Owner
CMC STEEL FABRICATORS INC
PO BOX 2219
RANCHO CUCAMONGA, CA 91729-2219

Telephone :

Contractor
CAPSTONE
3651 THIRD ST.
RIVERSIDE, CA 92501

Telephone : 951-682-6225

License No.
CON471122

Description	Const. Type	Units
Retail / Restaurant Tenant Improvem II	N	2,670

Work Covered
BLD : Y ELE : Y
MEC : Y PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :
Form CD-2 shall be submitted to the Engineering Division within 60 days following the completion of the construction and/or demolition project.

FINALED 3/20/08 PR6

Electrical Fixtures

Fixture Type	Qty
Outlet, Switch, etc.	30
Fixture Device-Standard	33

Mechanical Equipment

Equipment Type	Qty
Ventilation System	1

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Inspection Fee (43%)	BS1	1086	$607.31
SMIP Fee	BS3	1096	$21.92
Construction & Demo DEPOSIT	SJH	2308	$5,000.00
F-Microfilm	MAF	4546	$11.00
Construction & Demo Admin Fee	SJH	4590	$250.00
Permit Fee:			**$5,890.23**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-26-07

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

Building Permit

Building & Safety Department

Site Address: 12451 ARROW RTE **Record Number: PMT2007-05030**

Parcel #: 022912135-0000 Lot: Issued Date: 12/10/2007
Tract: Phase: Parcel Area: 1
Project Description: Install Overhead Fire Sprinklers for "Fontana Steel" - (Relocate 14 heads w/no additional calcs)

Owner
CMC STEEL FABRICATORS INC
PO BOX 2219
No Phone

Contractor
ALL PRO FIRE PROTECTION
31912 CYPRESS GLEN CT
No Phone

License No.
629993 C-16

Fire Alarm Detail

Fixture Type	Qty

Fees

Type	Amount
Plan Review Fee (57%)	$107.12
Inspection Fee (43%)	$80.81
Permit Fee:	**$187.93**

Fire Miscellaneous Detail

Fixture Type	Qty

Fire Underground Detail

Fixture Type	Qty

Fire Sprinkler Floor Detail

System	Floor	Fixture Type	Qty
		Fire Sprinklers Floor/System 1 (Tenant Impr.)	14

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

THIS IS A PERMIT WHEN PROPERLY COMPLETED AND SIGNED. THIS PERMIT IS SUBJECT TO EXPIRATION IF THE WORK AS DESCRIBED IN THE PERMIT IS NOT COMMENCED, IS ABANDONED, OR IS SUSPENDED FOR MORE THAN 180 DAYS.

Building Permit

Building & Safety Department

Site Address: 12451 ARROW RTE **Record Number: PMT2008-00210**

Parcel #: 022912135-0000 Lot: Issued Date: 01/23/2008
Tract: Phase: Parcel Area: 1
Project Description: ELECTRIC FOR CONSTRUCTION TRAILER (100 AMP SERVICE, CONDUIT, TRANSFORMER @ 37.5 KVA)

Owner
TAMCO STEEL
12459-B ARROW ROUTE
909 899-0660 EXT 5207

Contractor
TURN KEY ELECTRIC, INC.
8960 TORONTO
(909) 987-0015

License No.
758638 C10

Electrical Fixtures

Fixture Type	Qty
Services	1
Electrical Generators	1
Miscellanous Apparatus, Conduits, and Conductors	1

Fees

Type	Amount
ELE Inspection Fee	$85.97
ELE Issuance Fee	$28.66
Permit Fee:	**$114.63**

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

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Building Permit

Building & Safety Department

Site Address: 12451 ARROW RTE **Record Number: PMT2008-03062**

Parcel #: 022912135-0000 Lot: Issued Date:
Tract: Phase: Parcel Area: 1
Project Description: 200' UNDERGROUND CONDUIT FOR LPG TANK (1,150 GAL TANK)

Owner

Contractor
L.P. GAS SYSTEMS
2260 E. MAIN STREET
760- 252-7081

License No.
302918 B

Electrical Fixtures

Fixture Type	Qty
Outlet, Switch, etc.	2
Lighting Fixtures	2
Services	1

Fees

Type	Amount
ELE Issuance Fee	$29.61
ELE Inspection Fee	$88.81
Permit Fee:	**$118.42**

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

THIS IS A PERMIT WHEN PROPERLY COMPLETED AND SIGNED. THIS PERMIT IS SUBJECT TO EXPIRATION IF THE WORK AS DESCRIBED IN THE PERMIT IS NOT COMMENCED, IS ABANDONED, OR IS SUSPENDED FOR MORE THAN 180 DAYS.

Building Permit

Building & Safety Department

Site Address: 12451 ARROW RTE **Record Number: PMT2008-03150**

Parcel #: 022912135-0000 Lot: Issued Date:
Tract: Phase: Parcel Area: 1
Project Description: Remove existing 15,000 gallon LPG Tank and replace with freestanding 1,150 gallon LPG Tank w/foundation for "CMC Fabricators Inc - Fontana Steel"

Owner
CMC STEEL FABRICATORS INC
P O BOX 2219
No Phone

Contractor
L.P. GAS SYSTEMS
2260 E. MAIN STREET
760- 252-7081

License No.
302918 B

Fire Alarm Detail

Fixture Type	Qty

Fees

Type	Amount
Inspection Fee (43%)	$118.63
F-Fire Code Permit Fee	$240.12
Plan Review Fee (57%)	$118.63
Plan Review Fee (57%)	$252.03
Inspection Fee (43%)	$190.13
Permit Fee:	**$919.54**

Fire Miscellaneous Detail

Fixture Type	Qty
AP - liquefied petroleum gasses; install container	1
HA - LPG (propane tank)	1

Fire Underground Detail

Fixture Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

THIS IS A PERMIT WHEN PROPERLY COMPLETED AND SIGNED. THIS PERMIT IS SUBJECT TO EXPIRATION IF THE WORK AS DESCRIBED IN THE PERMIT IS NOT COMMENCED, IS ABANDONED, OR IS SUSPENDED FOR MORE THAN 180 DAYS.

Building Permit

Building & Safety Department

Site Address: 12451 ARROW RTE **Record Number: PMT2009-00392**

Parcel #: 022912135-0000 Lot: Issued Date:
Tract: Phase: Parcel Area: 1
Project Description: FOUNDATION & ELECTRICAL FOR 1,150 GALLON LPG TANK

Owner

Contractor
L.P. GAS SYSTEMS
2260 E. MAIN STREET
760- 252-7081

License No.
302918 B

Electrical Fixtures

Fixture Type	Qty
Miscellanous Apparatus, Conduits, and Conductors	1

Fees

Type	Amount
ELE Inspection Fee	$29.60
ELE Issuance Fee	$29.61
Misc. Plan Review Fee 1 (46%)	$118.63
Permit Fee:	**$177.84**

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

THIS IS A PERMIT WHEN PROPERLY COMPLETED AND SIGNED. THIS PERMIT IS SUBJECT TO EXPIRATION IF THE WORK AS DESCRIBED IN THE PERMIT IS NOT COMMENCED, IS ABANDONED, OR IS SUSPENDED FOR MORE THAN 180 DAYS.

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 989-1863

ELEC./MECH./PLMBG. PERMIT

Building Address: 12455 ARROW ROUTE, R.C. CA

Lot No. | Block | Tract

Owner: AMERON CONCRETE & STEEL PIPE SYSTEMS

Mailing Address: 10681 FOOTHILL BLVD. SUITE 450

City: R.C. | Zip: 91730 | Tel.: 909-944-4100

Contractor: KENT ELECTRIC CO.

Address: 11631 INDUSTRY AVE

City: FONTANA | Zip: 92337 | Tel.: 909 681-2910

State Lic. & Classif.: 305570 B, C-10 | City Lic. No.:

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)	Fee	
3	Services (Size (1) 3000 A (2) 100A)	112	00
11	Outlets (Receptacles, Switches, Lighting Outlets) 10 1 DISCONNECT	8	25
44	Fixtures	25	80
27	Motors (HP each (6) 10-50 H.P. (1) 1-10 H.P. OVER 100 H.P.)	322	50
4	Other (Specify (1) 15 KVA TRANSF. (2) 200 KW. HEATER (1) 100 KW HEATER)	135	00
	Sq.Ft. Area New Res. Bldg. @		
	Sq.Ft. Area New Res. Acc. Bldg. ADD'L P.C. FEE @	99	63
	Plan Chk. #95-0093 Fee	15	—
	Issuance Fee		
	TOTAL ELECTRICAL FEES	718	18

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee	
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP		
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP		
	Fir./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm		
	Spray Booth/ Exhaust Hood		Air Handler over10,000 cfm		
	Vent Fan Includ. Duct		Other:		
	Plan Chk. Fee		Issuance Fee		
			TOTAL MECHANICAL FEES		

PLUMBING SYSTEM

No.	Description	No.	Description	Fee	
	Water Closets		Gas Systems (No. Outlets		
	Lavatories		Water Heaters		
	Bathtubs, Showers		Private Sew. Disp. System		
	Kitchen Sinks		Sewer Conn.		
	Laundry Trays, Auto Washers		Other		
	Plan Chk. Fee		Issuance Fee		
			TOTAL PLUMBING FEES		

TOTAL ELEC., MECH., PLMBG. FEES		718	18
Processed By KP	Spec. Cond.		
Permit No. 95-1517	Validation	Date 4-24-95	

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B, C-10 Lic. No. 305570

Date 4-24-95 Contractor KENT ELECTRIC CO.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

○ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier CNA Policy Number 129463271

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

10-1-95

○ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 4-24-95 Applicant: KENT ELECTRIC CO.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

KENT ELECTRIC CO.

Signature of Applicant or Agent _____ Date 4-24-95

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION REP.			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			CCWD APPROVAL REC'D _____ DATE
	ROUGH WIRING			ENGR. FILE NO. _____
	NEW SERVICE			I.W. LOG NO. _____
	FIXTURES			C.C.W.D. INSPECTION REQUIRED YES _____
	FINAL ELEC. INSP.	9-11-95	CB	NO _____
	TEMP. POWER POLE			INSPECTION NOTES
	OTHER			Could not locate site
	OTHER			5-1-95 MK
	ELEC. UTILITY CLRNCE.			UG conduct @ 24" deep
MECHANICAL	U.G. DUCTS/REFRIG LINES			OK 5-3-95 MK
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			Need conduit under slab
	OTHER			5-18-95 MK
	OTHER			6-6-95 Gas Test & Line & Water Line
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports			underground OK Need Plbg
	RO. PLMBG. Water, Gas, Vents Supports, Flashings			permits
	GAS TEST			SEWER / PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves Services			
	WATER HTR. Vent, Valves Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	BACKWATER VALVE			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, CLearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN	

J-K-

BUILDING AND SAFETY D[illegible]SION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12455 ARROW ROUTE		
Lot No.	Block	Tract	
Owner	AMERON, INC.		
Mailing Address	10681 FOOTHILL		
City	R. CUCAMONGA	Zip 91730	Tel. 909-944-8100
Contractor	OWNER - BUILDER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	PREFAB STEEL BUILDING ON CONCRETE FOUNDATION (SPECIAL COATING PLANT)		
Sq. Ft. Size	19,624	Haz. Mat. Doc. Req'd. Prior to Occ.	☐ Yes ☐ No
New ☒ Add. ☐ Alter. ☒ Repair ☐ Demolition ☐			

No. Stories	1	Type Const. II-N Sprk	Occ. Group B-2
Occ. Load		No. Dw. Units	Plng./Engr. File No.
No. Bedrooms		Lot Size Size 19.4 ACRES	APN 229-131-03
Approved Plan Div.	DUNCAN 4/19/95	Approved Eng. Div. SM 4-6-95	Verified Health Dept. Approval
Special Conditions:	INCLUDES PATHWAY AND RAMP TO ACCESSIBLE RESTROOM FACILITIES LOCATED AT TAPE COAT FACILITY.		

VALUATION: $ 610,400

FEES			
PLAN CHECK	ADD'L. 94-6463	300	00
PERMIT		1,832	50
DRAINAGE	INDUSTRIAL A.D.	—	
TRANSPORTATION	22-3901-7431	19,933	46
BEAUTIFICATION		—	
PARK		—	
OTHER	TRANS 22-3901-7432	201	35
TOTAL		22,267	31

Processed By PJ | School Fee Pmt. Verified 4-3-95 KR

Permit No. 95-1475 | Validation | Date 4-19-95

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

☐ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

☐ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date 4/19/95 Owner Paul Greco

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 4/19/95 Applicant: Paul Greco

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Paul Greco Date 4/19/95

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION	DATE	INSP. SIGN
FOUNDATION:(gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	5-16-95	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.	5-23-95	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
EXTERIOR SHEAR: Nailing, Diaph.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.	9/19/95	
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/19/95	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
RE-ROOF:		
RETAINING WALL:		
SIGN(S):		
VENEER:		
RESIDENTIAL FIRE SPRINKLER		
HYDRO:		
FLOW TEST:		
FINAL:		

INSPECTION NOTES

Slabs at East + West portion 5-10-95 MR

ROOFD FINALED
9/15/95

J-K-14-15

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12455 ARROW ROUTE			
Lot No.	Block	Tract	
Owner: AMERON CONCRETE AND STEEL PIPE SYSTEMS			
Mailing Address: 10681 FOOTHILL BLVD., SUITE 450			
City: RANCHO CUCAMONGA	Zip: 91730	Tel.: 944-4115	
Contractor: ~~AGN INC.~~ OWNER/BLDR			
Address: ~~P.O. BOX~~ 302			
City: ~~BLOOMINGTON~~	Zip: ~~92316~~	Tel.: ~~(909) 350-7681~~	
State Lic. & Classif.: 642481		City Lic. No.	
Arch., Engr., Designer: L. D. KING INC.			
Address: 2151 E. "D" ST., SUITE 100B		Tel.: (909) 989-5492	
City: ONTARIO CA	Zip: 91764	State Lic. No.	
Proposed Construction: PIPE COATING PLANT WITH EXPOSED STEEL STRUCTURAL FRAME AND STEEL WALLS (GRADING ONLY)			
Sq. Ft. Size: 19624	Haz. Mat. Doc. Req'd. Prior to Occ. ☐ Yes ☐ No		
New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐			

No. Stories: 1	Type Const.: II - N		Occ. Group: B-2
Occ. Load: 24	No. Dw. Units: N/A	Plng./Engr. File No.	
No. Bedrooms	Lot Size Size		APN: 229-131-03
Approved Plan Div.: 4-3-95 CH	Approved Eng. Div.: 4-3-95 JAD	Verified Health Dept. Approval	
Special Conditions: (Grading Only)			

VALUATION: $

FEES			
	PLAN CHECK #94-6462		
	PERMIT	126	00
	DRAINAGE		
	TRANSPORTATION		
	BEAUTIFICATION		
	PARK		
	OTHER		
Processed By: RG	School Fee Pmt. Verified: —	TOTAL	126 00

Permit No.: 95-1211 | Validation | Date: 4-3-95

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

◉ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).*

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date: April 3, 1995 Owner: Ameron, Inc.

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

○ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 4/3/95 Applicant: Raymond A. Luca

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent: Raymond A. Luca Date: 4/3/95

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION	DATE	INSP. SIGN
FOUNDATION:(gr. Certif Comp', Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
EXTERIOR SHEAR: Nailing, Diaph.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/19/95	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
RE-ROOF:		
RETAINING WALL:		
SIGN(S):		
VENEER:		
RESIDENTIAL FIRE SPRINKLER		
HYDRO:		
FLOW TEST:		
FINAL:		

II ECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION
city of rancho cucamonga
10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 989-1863

ELEC./MECH./PLMBG. PERMIT

Building Address: 12455 ARROW ROUTE
Lot No. | Block | Tract
Owner: AMERON PIPE PRODUCTS
Mailing Address: 12455 ARROW ROUTE
City: RANCHO CUCAMONGA | Zip | Tel.
Contractor: INLAND VALLEY MECHANICAL, INC
Address: PO BOX 927
City: BLOOMINGTON | Zip: 92316 | Tel.: (909) 822-3051
State Lic. & Classif.: C-36 372642 | City Lic. No.: 0-028989

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size .....)	
	Outlets (Receptacles, Switches, Lighting Outlets)	
	Fixtures	
	Motors (HP each .....)	
	Other (Specify .....)	
	Sq.Ft. Area New Res. Bldg. ..... @	
	Sq.Ft. Area New Res. Acc. Bldg. ..... @	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP	
	Fir./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	1	Gas Systems 2 (No. Outlets 15 BTU LINE)	3 00
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto Washers	1	Other WATER LINE 2"	3 00
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			15 00
	TOTAL ELEC., MECH., PLMBG. FEES			21 00

Processed By: R
Spec. Cond.: GAS LINE STUBBED + CAPPED AT TWO LOCATIONS.
Permit No.: 95-2289
Validation:
Date: 6-7-95

LICENSED CONTRACTORS DECLARATION
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Class C-16 & C-36 Lic. No. 372642
Date 6/7/95 Contractor

OWNER-BUILDER DECLARATION
I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*
○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.
○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.
○ I am exempt under Sec. _____ B.&P.C. for this reason _____
Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION
I hereby affirm under penalty of perjury one of the following declarations:
○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
Carrier NWC Policy Number * 1155-48-03
(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.
Date: 6/7/95 Applicant: Inland Valley Mech

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.
Lender's Name _____
Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent: Robert E Stewart, PRES Date: 6/7/95

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION REP			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			CCWD APPROVAL REC'D _____ DATE
	ROUGH WIRING			ENGR. FILE NO. _____
	NEW SERVICE			I.W. LOG NO. _____
	FIXTURES			C.C.W.D. INSPECTION REQUIRED YES _____
	FINAL ELEC. INSP.			NO _____
	TEMP. POWER POLE			INSPECTION NOTES
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U.G. DUCTS/REFRIG LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports	6-6-95		
	RO. PLMBG. Water, Gas, Vents Supports, Flashings	6-28-95		
	GAS TEST	6-6-95		SEWER / PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves Services	7/19/95		
	WATER HTR. Vent, Valves Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	BACKWATER VALVE			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, CLearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN	

BUILDING AND SAFETY D SION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12455 Arrow Route		
Lot No.	Block	Tract	
Owner	Ameron Pipi		
Mailing Address	12455 Arrow Route		
City	Rancho Cucamonga	Zip 91739	Tel. (909) 944-4329
Contractor	J.M. Carden Sprinkler Co.		
Address	2909 Fletcher Dr.		
City	LA, CA	Zip 90065	Tel. (213) 258-8300
State Lic. & Classif.	C-16, 166282	City Lic. No. 9455 8643	
Arch., Engr., Designer			
Address			Tel.
City	Zip	State Lic. No.	
Proposed Construction	Fire Sprinklers + UNDERGROUND		
Sq. Ft. Size	18,600.00	Haz. Mat. Doc. Req'd. Prior to Occ.	☐ Yes ☐ No

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group B-2
Occ. Load 0	No. Dw. Units	Plng./Engr. File No.	
No. Bedrooms	Lot Size Size		APN
Approved Plan Div.	Approved Eng. Div.	Verified Health Dept. Approval	
Special Conditions:			

VALUATION: $ 32,000

FEES			
	PLAN CHECK 95-0222 Ed	192	—
	PERMIT	256	00
	DRAINAGE		
	TRANSPORTATION		
	BEAUTIFICATION		
	PARK		
	OTHER		
Processed By	School Fee Pmt. Verified	TOTAL	256 00

Permit No. 95-0983 Validation Date 3-15-95

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-16 Lic. No. 166282

Date 1/24/95 Contractor Sally E. Ament

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).*

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier CA Comp. Policy Number W9471088 35 55

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3-15-95 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Sally E. Ament Date 1/25/95

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

FOUNDATION:(gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.			
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.			
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
EXTERIOR SHEAR: Nailing, Diaph.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.			
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.			
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.			
FINAL INSPECTION: Pool Cover			
MISCELLANEOUS			
RE-ROOF:			
RETAINING WALL:			
SIGN(S):			
VENEER:			
[redacted] FIRE SPRINKLER			
HYDRO: VG - Supply 7/17/25			
FLOW TEST:			
FINAL:			
INSPECTION	DATE	INSP. SIGN	

II ECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12455 Arrow Route			
Lot No.	Block	Tract	
Owner: Ameron Pipe Products			
Mailing Address: 12455 Arrow Route			
City: R.C.	Zip: 91739	Tel: ~~909-899-7805~~	
Contractor: Kent Electric Co.			
Address: 11631 Industry Ave			
City: Fontana	Zip: 92337	Tel: 909-681-2910	
State Lic. & Classif.: 305570 B,C10	City Lic. No.: 28710		
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction: ABOVE GROUND STORAGE TANK			
Sq. Ft. Size	Haz. Mat. Doc. Req'd. Prior to Occ. ☐ Yes ☐ No		
New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐			

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Plng./Engr. File No.	
No. Bedrooms	Lot Size Size		APN
Approved Plan Div.: Cottm. 1-26-99	Approved Eng. Div.: 1/26/99		Verified Health Dept. Approval
Special Conditions: MDR 98-33			

VALUATION: $ 20,00

FEES		
PLAN CHECK	PAID 99-0385	—
PERMIT	180	—
DRAINAGE		
TRANSPORTATION		
BEAUTIFICATION		
PARK		
OTHER		
TOTAL	180	—

Processed By: ~~School Fee Rqt. Verified~~

Permit No.	Validation	Date
99-0385	KZ	1-26-99

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B,C-10 Lic. No. 305570

Date 12-17-98 Contractor Kent Electric Co

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).*

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier UCO CAS. Co. Policy Number CFA 04063800

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

✓ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 1-26 99 Applicant: Kent Elect. Co.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

KENT ELECTRIC CO.

Signature of Applicant or Agent _____ Date ~~12-17-98~~ 1-26 99

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

FOUNDATION: (gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	2/		INSPECTION NOTES
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.	3/		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
EXTERIOR SHEAR: Nailing, Diaph.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
SUSPENDED CEILING			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr./Fire Clear.	3/31/95		
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.			
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.			
FINAL INSPECTION: Pool Cover			
FIRE PREVENTION NEW CONSTRUCTION UNIT			
FIRE SPRINKLER (OVERHEAD)			
FIRE SPRINKLER (UNDERGROUND)			
HOOD & DUCT FIXED PROTECTION			
ALARM			
SHELL ONLY			
OCCUPANCY FINAL			
RESIDENTIAL FIRE SPRINKLER			
HYDRO:			
FLOW TEST:			
FINAL:			
INSPECTION	**DATE**	**INSP. SIGN**	

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION
city of rancho cucamonga
10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 477-2710

ELEC./MECH./PLMBG. PERMIT

Building Address	12455 Arrow Route		
Lot No.	Block	Tract	
Owner	Ameron Pipe Products		
Mailing Address	12455 Arrow Route		
City	R.C.	Zip 91739	Tel. 909 899-7806
Contractor	Kent Electric Co.		
Address	11631 INDUSTRY AVE		
City	FONTANA	Zip 92337	Tel. 909 887-2910
State Lic. & Classif.	305570 B, C-10	City Lic. No.	26710

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size .....)	
2	Outlets GFB IP 204 (Receptacles, Switches, Lighting Outlets)	1 50
	Fixtures	
	Motors (HP each .....)	
	Other (Specify .....)	
	Sq.Ft. Area New Res. Bldg. ..... @	
	Sq.Ft. Area New Res. Acc. Bldg. ..... @	
Plan Chk. Fee	Issuance Fee	15 00
	TOTAL ELECTRICAL FEES	16 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP	
	Fir./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over10,000 cfm	
	Vent Fan Includ. Duct		Other	
Plan Chk. Fee		Issuance Fee		
			TOTAL MECHANICAL FEES	

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas Systems (No. Outlets ____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto Washers		Other	
Plan Chk. Fee		Issuance Fee		
			TOTAL PLUMBING FEES	
			TOTAL ELEC., MECH., PLMBG. FEES	

Processed By JL — Special Cond. Above Ground diesel storage tank

Permit No. 99-0386 — Validation KJ — Date 1-26-99

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B, C-10 Lic. No. 305570

Date 12-17-98 Contractor KENT ELECTRIC CO.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

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○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier ULICO CAS. CO Policy Number CFA040639800

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

✓ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 1-26-99 Applicant: Kent Electric Co

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.).*

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent KENT Electric Co. David G Rodin Date 12-17-98 1-26-99

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REI			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT	2/17/99		CCWD APPROVAL REC'D _____ DATE
	ROUGH WIRING			ENGR. FILE NO. _____
	NEW SERVICE			I.W. LOG NO. _____
	FIXTURES			C.C.W.D. INSPECTION REQUIRED YES _____
	FINAL ELEC. INSP.	3-23-99	CB	NO _____
	TEMP. POWER POLE			INSPECTION NOTES
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U.G. DUCTS/REFRIG LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports			
	RO. PLMBG. Water, Gas, Vents Supports, Flashings			
	GAS TEST			SEWER / PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves Services			
	WATER HTR. Vent, Valves Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	BACKWATER VALVE			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, CLearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12455 Arrow Route		
Lot No.	Block	Tract	
Owner	Amerron		
Mailing Address	10681 Foothill Blvd		
City	Rancho Cucamonga	Zip 91730	Tel. 909 944 4329
Contractor	Owner Builder		
Address	SAME		
City		Zip	Tel.
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	Weather Protection for Equipment		
	30 X 35		
Sq. Ft. Size	1050	Haz. Mat. Doc. Req'd. Prior to Occ.	☐ Yes ☐ No

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	1	Type Const.	Steel (II-N)
Occ. Group	F-2	Occ. Load	None
No. Dw. Units	NA	Plng./Engr. File No.	
No. Bedrooms		Lot Size Size	APN
Approved Plan Div.	1/7/99 DG	Approved Eng. Div.	1/7/99 Chilicki
Verified Health Dept. Approval			

Special Conditions:

APER DR 98-20 APPROVAL BY RZ

CT: 22.02

VALUATION: $ 15,000

FEES		
PLAN CHECK	98-394R	
PERMIT	142	50
DRAINAGE		
TRANSPORTATION		
BEAUTIFICATION		
PARK		
OTHER		
TOTAL	142	50

Processed By: DG | School Fee Pmt. Verified

Permit No.	Validation	Date
99-0126	YMB	1-7-99

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

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☐ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date 7/13/98 Owner Owner w x Carlos L. Garcia

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: x 1/7/99 Applicant: x Carlos L. Garcia

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____ N/A

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

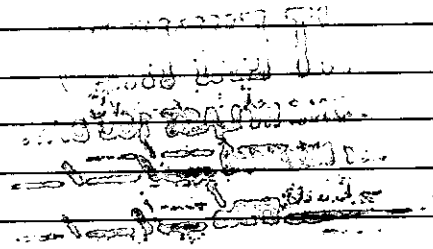
Signature of Applicant or Agent: Raymond A. Green Date 7/13/98

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

FOUNDATION: (gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
EXTERIOR SHEAR: Nailing, Diaph.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
SUSPENDED CEILING		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr./Fire Clear.		
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.		
FINAL INSPECTION: Pool Cover		
FIRE PREVENTION NEW CONSTRUCTION UNIT		
FIRE SPRINKLER (OVERHEAD)		
FIRE SPRINKLER (UNDERGROUND)		
HOOD & DUCT FIXED PROTECTION		
ALARM		
SHELL ONLY		
OCCUPANCY FINAL		
RESIDENTIAL FIRE SPRINKLER		
HYDRO:		
FLOW TEST:		
FINAL:		
INSPECTION	DATE	INSP. SIGN

I[redacted]ECTION NOTES



BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12455 Arrow Route		No. Stories 1	Type Const. steel (II-N)	Occ. Group F-2
Lot No.	Block	Tract	Occ. Load none	No. Dw. Units N/A	Plng./Engr. File No.
Owner	Ameron Int.		No. Bedrooms	Lot Size Size	APN
Mailing Address	12455 Arrow Route		Approved Plan Div. 1/7/99 DC	Approved Eng. Div. 1/7/99 CR/LICKI	Verified Health Dept. Approval
City	Etiwanda	Zip 91739 Tel. (909) 899-1716	Special Conditions:		
Contractor	Owner Builder		1) PER DR 98-20 APPROVAL LETTER		
Address	Same		CT: 22.02 BY RZ		
City	Zip	Tel.	VALUATION: $ 10,000		
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer					
Address		Tel.			
City	Zip	State Lic. No.			
Proposed Construction	Weather Protection for Equip.				
	18'6" X 26'3"				
Sq. Ft. Size	Haz. Mat. Doc. Req'd. Prior to Occ. ☐ Yes ☐ No				

FEES			
	PLAN CHECK	98-3947	
	PERMIT	105	00
	DRAINAGE		
	TRANSPORTATION		
	BEAUTIFICATION		
	PARK		
	OTHER		
Processed By	School Fee Pmt. Verified	TOTAL	105 00

New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

Permit No.	Validation	Date
99-0125	YMB	1-7-99

LICENSED CONTRACTORS DECLARATION

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License Class _____ Lic. No. _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

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NO WORK DONE IN LAST 180 DAYS

☐ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

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Date 1/7/99 Owner Ameron x Carlos R. Garcia

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Date: 1/7/98 Applicant: Carlos R. Garcia

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I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____ N/A

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Carlos R. Garcia Date 1/7/99

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INSPECTOR COPY

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MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts			
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EXTERIOR SHEAR: Nailing, Diaph.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
SUSPENDED CEILING			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr./Fire Clear.			
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.			
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.			
FINAL INSPECTION: Pool Cover			
FIRE PREVENTION NEW CONSTRUCTION UNIT			
FIRE SPRINKLER (OVERHEAD)			
FIRE SPRINKLER (UNDERGROUND)			
HOOD & DUCT FIXED PROTECTION			
ALARM			
SHELL ONLY			
OCCUPANCY FINAL			
RESIDENTIAL FIRE SPRINKLER			
HYDRO:			
FLOW TEST:			
FINAL:			
INSPECTION	DATE	INSP. SIGN	

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

Building Address	12455 Arrow Route		No. Stories 1	Type Const. ~~Bridge Crane Struct~~	Occ. Group N/A
Lot No.	Block	Tract	Occ. Load	No. Dw. Units	Plng./Engr. File No.
Owner	Ameron Int'L		No. Bedrooms	Lot Size Size	APN 229-131-17
Mailing Address	10681 Foothill Blvd.		Approved Plan Div. 3/18/98	Approved Eng. Div. 3-18-98	Verified Health Dept. Approval
City	Rancho Cucamonga	Zip 91730 Tel. (909) 944-4329	Special Conditions:	Stand alone bridge crane	
Contractor	OWNER-BUILDER				
Address					
City	Zip	Tel.	VALUATION: $	~~$ 186,900~~ 11,000.	
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer					
Address		Tel.			
City	Zip	State Lic. No.			
Proposed Construction	FOUNDATION FOR 32 Ton Bridge Crane Struct stand alone ~~on Concrete Foundation~~				
~~Sq. Ft.~~ Size	3672 S.F.	Haz. Mat. Doc. Req'd. Prior to Occ. ☐ Yes ☐ No			

FEES			
	PLAN CHECK	#98-1428	
	PERMIT	1	12 50
	DRAINAGE		
	TRANSPORTATION		
	BEAUTIFICATION		
	PARK	CK	
	OTHER		
Processed By	School Fee Pmt. Verified	TOTAL	1 12 50
Permit No. 99-0064	Validation	Date ~~3/18/98~~ 1-5-99	

New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).*

☐ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date 1-5-99 3/18/98 Owner Carlos F. Garcia

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☑ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3/18/98 1-5-99 Applicant: Carlos F. Garcia

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Carlos F. Garcia Date 1-5-99 3/18/98

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

FOUNDATION: (gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.			
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.			
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
EXTERIOR SHEAR: Nailing, Diaph.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
SUSPENDED CEILING			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr./Fire Clear.			
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.			
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.			
FINAL INSPECTION: Pool Cover			
FIRE PREVENTION NEW CONSTRUCTION UNIT			
FIRE SPRINKLER (OVERHEAD)			
FIRE SPRINKLER (UNDERGROUND)			
HOOD & DUCT FIXED PROTECTION			
ALARM			
SHELL ONLY			
OCCUPANCY FINAL			
RESIDENTIAL FIRE SPRINKLER			
HYDRO:			
FLOW TEST:			
FINAL:			
INSPECTION	DATE	INSP. SIGN	

IN[redacted]ECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 477-2710

ELEC./MECH./PLMBG.

PERMIT

Building Address	12455 Arrow Route		
Lot No.	Block	Tract	
Owner	Ameron Pipe Products		
Mailing Address	12455 Arrow Route		
City	R.C.	Zip 91739	Tel. 899-1716
Contractor	KENT ELECTRIC CO.		
Address	11681 INDUSTRY AVE		
City	FONTANA	Zip 92337	Tel. 681-2910
State Lic. & Classif.	B,C-10 305570	City Lic. No.	28710

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 225A O/H Bridge Crane)	185 00
	Outlets (Receptacles, Switches, Lighting Outlets)	
	Fixtures	
	Motors (HP each 2-1HP; 1-5HP; 1-10HP; 4-1.5HP)	78 00
	Other (Specify)	
	Sq.Ft. Area New Res. Bldg. @	
	Sq.Ft. Area New Res. Acc. Bldg. @	
	Plan Chk. Fee	15 00
	Issuance Fee	
	TOTAL ELECTRICAL FEES	111 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP	
	Fir./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas Systems (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 111 50

Processed By | Spec. Cond.

Permit No. 98-6982 | Validation | Date 12/15/98

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B,C-10 Lic. No. 305570

Date 12/15/98 Contractor Kent Electric Co.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors' License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier ULICO Policy Number CEAC4062 3800

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

✓ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 12/15/98 Applicant: Kent Electric Co.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

KENT ELECTRIC CO.

Signature of Applicant or Agent _____ Date 12/15/98

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REQ		
ELECTRICAL	UNDERGRQUND CONDUIT		
	ROUGH WIRING		
	NEW SERVICE		
	FIXTURES		
	FINAL ELEC. INSP.		
	TEMP. POWER POLE		
	OTHER		
	OTHER		
	ELEC. UTILITY CLRNCE.		
MECHANICAL	U.G. DUCTS/REFRIG LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs		
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports		
	RO. PLMBG. Water, Gas, Vents Supports, Flashings		
	GAS TEST		
	FINAL PLMBG. Fixtures, Valves Services		
	WATER HTR. Vent, Valves Press. Rel. Valve		
	SEWER/PRIV. DISP. SYSTEM		
	BACKWATER VALVE		
	OTHER		
	GAS UTILITY CLRNCE.		
SWIM POOL/SPA	BONDING		
	U.G. CONDUIT		
	GAS PIPING Material, Depth		
	GAS TEST		
	HEATER Vent, CLearance, Location, Shut-off		
	FINAL POOL ELEC.		
	FINAL POOL PLMBG.		
	OTHER		
	INSPECTION	DATE	INSP. SIGN

INSPECTOR NOTES

CCWD APPROVAL REC'D _____ DATE

ENGR. FILE NO. _____

I.W. LOG NO. _____

C.C.W.D. INSPECTION REQUIRED YES _____

NO _____

INSPECTION NOTES

SEWER / PRIV. DISP. SYSTEM DIAGRAM

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 477-2710

ELEC./MECH./PLMBG. PERMIT

Building Address	12455 ARROW ROUTE ETIWANDA CA 91739		
Lot No.	Block	Tract	
Owner	AMERON PIPE PRODUCTS		
Mailing Address	10681 FOOTHILL BLVD.		
City	R.C.	Zip 91730	Tel. 909-944-4100
Contractor	KENT ELECTRIC CO		
Address	11631 INDUSTRY AVE		
City	FONTANA	Zip 92337	Tel. 909-681-2910
State Lic. & Classif.	305570 B, C-10	City Lic. No.	002B710

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)		Fee
1	Services (Size) 5000AMP SVC 100AMP SUB.		112 00
25	Outlets (Receptacles, Switches, Lighting Outlets)		17 25
32	Fixtures	100 Ea.	20 85
	Motors (HP each) up to 1: 22 / 1-10: 13 / 10-50: 7 / 50-100: 2		27 13 50
	Other (Specify) 1-10: 4 / 50-100: 1 Transformers		60 00
	Sq.Ft. Area New Res. Bldg. @		
	Sq.Ft. Area New Res. Acc. Bldg. Addn'l PIC @		67 50
	Plan Chk. Fee	Issuance Fee	15 00
	TOTAL ELECTRICAL FEES		361 45

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP	
	Fir./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas Systems (No. Outlets ____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 361 45 0

Processed By | Spec. Cond.

Permit No. 98-1332 | Validation | Date 3-12-98

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B, C-10 Lic. No. 305570

Date 3-12-98 Contractor KENT ELECTRIC Co.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier LICO Policy Number CEA0406 3800

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

KENT ELECTRIC CO
DAVID L. RODRICKS

Signature of Applicant or Agent _____ Date 3-12-98

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REPORT			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			CCWD APPROVAL REC'D _____ DATE
	ROUGH WIRING			ENGR. FILE NO. _____
	NEW SERVICE			I.W. LOG NO. _____
	FIXTURES			C.C.W.D. INSPECTION REQUIRED YES _____
	FINAL ELEC. INSP.			NO _____
	TEMP. POWER POLE			INSPECTION NOTES
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U.G. DUCTS/REFRIG LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports			
	RO. PLMBG. Water, Gas, Vents Supports, Flashings			
	GAS TEST			SEWER / PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves Services			
	WATER HTR. Vent, Valves Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	BACKWATER VALVE			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, CLearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN	

CITY OF RANCHO CUCAMONGA
10500 CIVIC CENTER DRIVE
BUILDING AND SAFETY DIVISION

To: Ameron

Address: 2455 Ameron Ave Date 4/22/98

CORRECTION NOTICE

PERMIT NO. 98-1332

(1) Permits Required for overhead crane installed by General Hoist T.G.

(2) Enclosure for hydraulic expander controller Required To be Rated 3R + 4X

(3) Use of equipment ground for Hot conductors in Violation of The N.E.C. Use of S.G. could not permit that

(4) Provide 3rd Party Evaluation for expander controller.

(5) Use proper wiring methods for Raceways located in Radio Shack (Maximum length of Seal-Tite is 6 feet)

(6) Permits required for Structure constructed at Radio Shack (Bldg Select)

J. Braun
Inspector

Inspector's Office Hours
7:00 - 8:00 am
4:00 - 5:00 pm

Please Make Corrections and Call for Reinspection
(909) 989-1863

CITY OF RANCHO CUCAMONGA
10500 CIVIC CENTER DRIVE
BUILDING AND SAFETY . DIVISION

To: Kent Ekdahl

Address: 12455 Arrow Rte Date 4/22/98

CORRECTION NOTICE

PERMIT NO. 98-1334

(6) PVC conduit installed on utility trench required to be supported 3 foot on center & expansion joints provided or use PVC coated rigid conduit.

(7) ~~Grounding~~ rain required on panel UPA as per plans.

(8) ~~Disconnect~~ Disconnect Required for 10 Ton CRANE. Disconnect Required to be adjacent to CRANE.

T. Brown
Inspector

Inspector's
Office Hours
7:00 - 8:00 am
4:00 - 5:00 pm

Please Make Corrections and Call for Reinspection
(909) 989-1863

CITY OF RANCHO CUCAMONGA
10500 CIVIC CENTER DRIVE
BUILDING AND SAFETY DIVISION

To: Kent Electric

Address: 12455 Arrow Rte Date 1-5-99

CORRECTION NOTICE

PERMIT NO. 98-1322

(1) Provide information on class of circuits to PRD machine controller (class 1, 2, or 3) Control circuits are intermingled with 120 volts or higher)

(2) Enclose SOW cond in raceway to controller stand. Bond ends of conduit where they terminate.

(3) Install 3R or 4R adapter kit over controller enclosure for expander

(4) Electrical permit required for radio scope equipment.

J. Brown
Inspector

Inspector's Office Hours 8:00 to 9:00 a.m.

Please Make Corrections and Call for Reinspection (714) 989-1863

CITY OF RANCHO CUCAMONGA
10500 CIVIC CENTER DRIVE
BUILDING AND SAFETY DIVISION

To: American Kent Electric

Address: 12455 Arrow Rte Date 4/22/98

CORRECTION NOTICE

PERMIT NO. _____

(1) Provide information Regarding class of circuits for PLC machine controllers

(2) Use of seal-Tite for portable tools Tools & equipment does not meet the extent of the Nat. Electric Code.

(3) Unable to locate label concerning Third Party evaluation on spindel machines

(4) #6 AWG CU + smaller equipment grounds can not be re-identified Pass grounds thru lay-in lug in J. Box.

(5) Bond ends of Rigid metal conduit in all locations.

T. Miller
Inspector

Inspector's
Office Hours
7:00 - 8:00 am
4:00 - 5:00 pm

Please Make Corrections and Call for Reinspection
(909) 989-1863

12455 ARROW

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 989-1863

ELEC./MECH./PLMBG.

PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: AMERON CONCRETE & STEEL PIPE GROUP / 12455 ARROW ROUTE ETIWANDA CA 91739

Lot No. | Block | Tract

Owner: Ameron Concrete and Steel Pipe Systems

Mailing Address: 10681 Foothill BLVD. Suite 450

City: R.C. | Zip: 91730 | Tel. 909 944-4100

Contractor: KENT ELECTRIC CO.

Address: 11631 INDUSTRY AVE

City: FONTANA | Zip: 92337 | Tel. 909 681-2910

State Lic. & Classif.: 305570 B,C-10 | City Lic. No.: 28710

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)	Fee
1	Service (Size 1000 amp)	375 00
	Outlets (Receptacles, Switches, Lighting Outlets)	
	Fixtures	
1	~~Motors~~ (HP each Underground Cond.)	11 00
1	Other (Specify 1500KVA Transf.)	450 00
	Sq.Ft. Area New Res. Bldg. ..... @	
	Sq.Ft. Area New Res. Acc. Bldg. ..... @	
Plan Chk. Fee 98-043	Issuance Fee	150 00
	TOTAL ELECTRICAL FEES	1085 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP	
	Fir./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
Plan Chk. Fee		Issuance Fee		
			TOTAL MECHANICAL FEES	

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas Systems (No. Outlets	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto Washers		Other	
Plan Chk. Fee		Issuance Fee		
			TOTAL PLUMBING FEES	

TOTAL ELEC., MECH., PLMBG. FEES 1085 00

Processed By | Spec. Cond.

Permit No. 98-0965 | Validation | Date 2-26-98

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B,C-10 Lic. No. 305570

Date 2-26-98 Contractor KENT ELECTRIC CO

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

● I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier UNICOA Policy Number CEA04063800

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

ep-10-1-98

○ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 2-26-98 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-26-98

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION REPORT

ELECTRICAL	UNDERGROUND CONDUIT	3-3-98		
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER Below grade gnd	3-3-98		
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U.G. DUCTS/REFRIG LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports			
	RO. PLMBG. Water, Gas, Vents Supports, Flashings			
	GAS TEST			
	FINAL PLMBG. Fixtures, Valves Services			
	WATER HTR. Vent, Valves Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	BACKWATER VALVE			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, CLearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN	

INSPECTOR NOTES

CCWD APPROVAL REC'D _____ DATE

ENGR. FILE NO. _____

I.W. LOG NO. _____

C.C.W.D. INSPECTION REQUIRED YES _____

NO _____

INSPECTION NOTES

SEWER / PRIV. DISP. SYSTEM DIAGRAM

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 477-2710

ELEC./MECH./PLMBG. PERMIT

Building Address	12455 Arrow Route	
Lot No.	Block	Tract
Owner	Ameron Pipe Products	
Mailing Address	12455 Arrow Route	
City	R.C.	Zip 91739 Tel.
Contractor	Kent Electric Co.	
Address	11631 Industry Ave.	
City	Fontana	Zip 92337 Tel. 909 681-2910
State Lic. & Classif.	B,C-10 305570	City Lic. No. 28710

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 100A 3Ø)	18 50
	Outlets (Receptacles, Switches, Lighting Outlets)	
	Fixtures	
6	Motors (HP each 3HP(1) 1/2 HP(1) 1/4HP(4))	22 50
2	Other (Specify 15KVA XFMR (2))	30 00
	Sq.Ft. Area New Res. Bldg. ..... @	
	Sq.Ft. Area New Res. Acc. Bldg. ..... @	
	Plan Chk. Fee ..... Issuance Fee	15 00
	TOTAL ELECTRICAL FEES	86 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP	
	Fir./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas Systems (No. Outlets ____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 86 00

Processed By CB KP Spec. Cond. FOR RADIO SCOPE EQUIP.

Permit No. 99-1121 Validation KJ Date 3-3-99

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B,C-10 Lic. No. 305570

Date 3-3-99 Contractor Kent Electric Co.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

○ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier ULICO Policy Number CFA04063800

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3.3.99 Applicant: Kent Electric Co

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Kent Electric Co.

Signature of Applicant or Agent _____ Date 3-3-99

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REP			SPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			CCWD APPROVAL REC'D _____ DATE
	ROUGH WIRING			ENGR. FILE NO. _____
	NEW SERVICE			I.W. LOG NO. _____
	FIXTURES			C.C.W.D. INSPECTION REQUIRED YES _____
	FINAL ELEC. INSP.			NO _____
	TEMP. POWER POLE			INSPECTION NOTES
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U.G. DUCTS/REFRIG LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports			
	RO. PLMBG. Water, Gas, Vents Supports, Flashings			
	GAS TEST			SEWER / PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves Services			
	WATER HTR. Vent, Valves Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	BACKWATER VALVE			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, CLearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • (909) 477-2710

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12455 Arrow Rt			
Lot No.	Block	Tract	
Owner: Cameron Smith			
Mailing Address: 10681 Foothill			
City: RC	Zip	Tel.	
Contractor: Owner / Bldr			
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction: Rough Grading 23,700 c.y.			
Sq. Ft. Size	Haz. Mat. Doc. Req'd. Prior to Occ. ☐ Yes ☐ No		
New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐			

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Plng./Engr. File No.	
No. Bedrooms: 2	Lot Size Size		APN
Approved Plan Div.: 5/27/99	Approved Eng. Div.: 5/27/99 (PLANS PV-5/11/99)		Verified Health Dept. Approval
Special Conditions: ROUGH GRADING			
VALUATION: $			

FEES		
PLAN CHECK		
PERMIT	300	00
DRAINAGE		
TRANSPORTATION		
BEAUTIFICATION		
PARK		
OTHER		
TOTAL	300	00

Processed By: RH — School Fee Pmt. Verified: C

Permit No. 99-3403 — Validation: ff — Date: 5-27-99

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

☐ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

☐ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date 5/27/99 Owner R C Green for Cameron

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 5/27/99 Applicant R C Green for Cameron

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent X R C Green Date 5/27/99

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

FOUNDATION: (gr. Certif Compt. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
EXTERIOR SHEAR: Nailing, Diaph.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links, Draft Stops		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
SUSPENDED CEILING		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr./Fire Clear.		
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility Latches, Stability, Alarms.		
FINAL INSPECTION: Pool Cover		
FIRE PREVENTION NEW CONSTRUCTION UNIT		
FIRE SPRINKLER (OVERHEAD)		
FIRE SPRINKLER (UNDERGROUND)		
HOOD & DUCT FIXED PROTECTION		
ALARM		
SHELL ONLY		
OCCUPANCY FINAL		
RESIDENTIAL FIRE SPRINKLER		
HYDRO:		
FLOW TEST:		
FINAL:		
INSPECTION	DATE	INSP. SIGN

INSPECTION NOTES

Extended per CHS

Until 5/2001 RC

Progress inspection 4/30/2001

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12455 Arrow Route		
Owner	AMERON Pipe		
Mailing Address	12455 Arrow Route		
City	Rancho Cucamonga	Zip	Tel.
Contractor	Main View Bldrs		
Address	2619 S. Waterman ave		
City	San Bernardino	Zip 92408	Tel. 824-1210
State Lic. & Classif.	B 313155		City Lic. No.

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof, (Sec. 3800, Labor Code.)

Policy No. 80028274 Company Freemont Ins.

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This portion need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Lloyd Engelbrecht Date 4-28-81

Mailing Address 2619 S. Waterman ave.

City, State, Zip San Bernardino, Calif. 92408

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
5	Water Closets	1	Gas System (No. Outlets)	21 00
3	Lavatories	1	Water Heaters	14 00
	Bathtubs, Showers	1	Private Sew. Disp. System	22 00
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	3 2	Other PR Urinals	14 80
	Plan Chk. fee / Issuance Fee			7 80
	TOTAL PLUMBING FEES			78 00

TOTAL ELEC., MECH., PLMBG. FEES 78 00

Processed By BLF | Spec. Cond.

Permit No. 81-1345 | Validation OK | Date 4/28/81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECO			INSPECTOR NOTES
UNDERGROUND CONDUIT			
ROUGH WIRING			
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.			
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			Permit Sheet two Fountains
U.G./UNDER FLR. Soil, Water, Gas, Supports	4-29-81	Ware	
RO. PLMBG. Water, Gas, Vents, Supports, Flashings	8/24/81	[illegible]	
GAS TEST	9/25/81	[illegible]	SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services	11/6/81	[illegible]	
WATER HTR. Vent, Valves, Press. Rel. Valve	11/6/81	[illegible]	
SEWER/PRIV. DISP. SYSTEM			
OTHER 243 Feet of 4" Duct OF Buried	6/8/81	[illegible]	
OTHER			
GAS UTILITY CLRNCE.	11/6/81	[illegible]	
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

81-1398

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12495 ARROW RTE				
Lot No.	Block	Tract	No. Stories	Type Const.	Occ. Group
Owner	AMERON PIPE DIV.		Occ. Load	No. Dw. Units / Use Permit Required ☐	Des. Rev. Required ☐
Mailing Address	P.O. BOX 216 E		No. Bedrooms	Lot Size Size	APN
City	ETIWANDA	Zip 91739 Tel. 899-1716	CCWD Appr. Required ☐	H.D. Appr. Required ☐ / F.D. Appr. Required ☐	D.A. Appr. Required ☐
Contractor	MOUNTAIN VIEW BUILDERS		Special Conditions:	Valuation calculated considering prior issuance of found permit #	
Address	2619 WATERMAN SUITE C		VALUATION:	$ 382,000	
City	SAN BERNARDINO	Zip 92408 Tel. 824-1210	FEES	PLAN CHECK FEE (81-1398)	$ 765 25
State Lic. & Classif.	B 313155	City Lic. No.		PERMIT FEE	1147 00
Arch., Engr., Designer	AMERON - GEORGE H. GRIFFIN			DRAINAGE FEE PAID P&R FOR PERMIT # 80-990	0
Address	P.O. BOX 216	Tel.		SYSTEMS FEE	3820 00
City	ETIWANDA	Zip State Lic. No.		BEAUTIFICATION FEE	
Proposed Construction	75 x 300 FABRICATION BLDG			PARK FEE	
	25 x 75 - 2 STORY LEMO SERVICE			OTHER CREDIT TO PL CHK	-105 00
	& OFFICE (See Found Permit #80-990)		Processed By	School Fee Recpt. #	TOTAL 4862 00
Sq. Ft. Size	24,425+ 1925 2nd FL	No. Stories / No. Dw. Units	Permit No.	81-2125	Validation / Date 7/9/81
New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐					

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☑ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy to be hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name NONE

Lender's Address "

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 7/20/81

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, Hdrs., Numbers, Weather Stripping, Pl./Engr. Clear.	11/6/81	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp, Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
re-ROOF:		
[illegible]:		

INSPECTION NOTES

12455 Arrow Route

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12455 ARROW RT		
Lot No.	Block	Tract	
Owner	AMERON PIPE DIV		
Mailing Address	12455 ARROW RT		
City	RANCHO CUCAMONGA	Zip 91716	Tel.
Contractor	FAIRBANKS WEIGHING DIV		
Address	4715 E. WASHINGTON BLVD		
City	LOS ANGELES	Zip 90040	Tel. (213)266-3800
State Lic. & Classif.	C61-228213		City Lic. No.
Arch., Engr. Designer	—		
Address	—		Tel. —
City	—	Zip —	State Lic. No. —
Proposed Construction	MOTOR TRUCK SCALE PIT		
Sq. Ft. Size	840	No. Stories 0	No. Dw. Units 0
New X	Add. ☐	Alter. ☐	Repair ☐ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 9,400.00

FEES			
	PLAN CHECKING FEE	paid 2/22/80 #6937	60 38
	PERMIT FEE		80 50
	DRAINAGE FEE		
	SYSTEMS FEE		
	BEAUTIFICATION FEE		
	PARK TAX		
	SCHOOL FEE		
	OTHER		
Processed by		TOTAL	

Permit No. 20 1322 Validation JC Date 5/19/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 4-28-80 Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3700, Labor Code)

Policy No. DICK146649-SPA Company COLT INDUSTRIES

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Addr. _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 4-28-80

Signature of Applicant _____

Mailing Address 4715 E. WASHINGTON BLVD

City, State, Zip LOS ANGELES CA. 90040

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 180 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	8/20/80	[signature]
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/12/80	[signature]
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sht., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

12455 Arrow Road

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12455 Arrow Route

Owner: American Pace

Mailing Address:

City: Etiwanda Zip: Tel: 899-1716

Contractor: Tattoo Ind. Inc.

Address: 13344 Cambridge St.

City: Jurupa Stores Zip: 90670 213 685-1961

State Lic. & Classif.: A 383076 City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P.C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. WC2 562 0930 Company Liberty Mutual

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 8/25/81

Mailing Address: 13344 Cambridge St

City, State, Zip: Jurupa Stores, Ca 91670

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee	Issuance Fee
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	1	Gas System (No. Outlets 7)	4 90
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	7 00
	TOTAL PLUMBING FEES			13 90

TOTAL ELEC., MECH., PLMBG. FEES 13 90

Processed By: Spec. Cond.:

Permit No. 81-2676 Validation Date 9/4/81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 180 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services	3-17-83	Wake
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

department of COMMUNITY DEVELOPMENT

Kuat Knitgate

ELEC./MECH./PLMBG. PERMIT

Building Address 12455 ARROW ROUTE

Owner AMERON (PIPE PLANT)

Mailing Address 4700 RONDNA BLVD Zip Tel. 268-4111

City MONTEREY PARK

Contractor PRIME OF CALIFORNIA

Address 14751 S. GARFIELD AVE Zip 90723 Tel. 774-3270

City PARAMOUNT City Lic. No. 2258

State Lic. & Classif. 188244 C-61

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. OC 20-369-069-941 Company ARGONAUT

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 4-9-80

Signature of Applicant William E. Mallett

Mailing Address 14751 S. GARFIELD AVE

City, State, Zip PARAMOUNT, CALIF 90723

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size SUB 60 AMP)	10 00
1	Outlets (Receptacles, Lights, Switches)	50
	Fixtures	7 50
3	Motors (HP ea. 1/3)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	2 00
	TOTAL ELECTRICAL FEES	25 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Others	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 25 00

Processed By [illegible] Spec. Cond.

Permit No. 80-936 Validation JC Date 4/9/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
UNDERGROUND CONDUIT		
ROUGH WIRING	4/10/80	[illegible]
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.	4/10/80	[illegible]
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga, CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12455 ARROW | **PERMIT NO. : PMT2004-03048**

VALUATION : $ 60,000.00 ISSUED : May 13, 2004

PROJECT DESCRIPTION : BRINE POND FINAL CLOSURE, RETAINING WALL AND CONCRETE CAP OVER TEMPORARY OLD BRINE POND

Owner
AMERON INTERNATIONAL CORPORATION
12455 ARROW RTE
ETIWANDA, CA 91733

Telephone :

Contractor
ENCON TECHNOLOGIES
12145 MORA DR
STE 7
SANTA FE SPRINGS, CA 90670
Telephone : 562-777-2200

License No.
748576.

Item	Rate	Unit Qty
CPRC	Contract Price	60,000

Work Covered
BLD : Y ELE :
MEC : PLM :
FIR :

Construction Types

Occupancy Groups

Case Notes :
FINALED 7/6/06 DRD

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Permit Fee	BS3	1086	$395.50
	Total:		$395.50

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 5-13-04

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: A Lic. No. 748576

Date 5-12-04 Contractor Ernest Testa/Project Eng

****

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the following reason :

_____

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. ___, B.& P.C. for this reason:

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

☒ Carrier State Fund Policy Number 1423496-04

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 5-12-04 Applicant: Mick Gomez

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued.

LENDERS NAME _____ LENDERS ADDRESS _____

City of Rancho Cucamonga, Building & Safety handouts are intended to provide certain general information regarding minimum, approved City code standards and/or structural engineering requirements typical of construction authorized by the permit referenced on the reverse. No warranty, expressed or implied, is made as to the adequacy of the information included in the handout for use on a particular construction project.

The user of the attached handout may want to seek professional advice or opinion from engineers, architects and/or experienced contractors regarding quality controls, construction techniques and methods, and performance standards for the project.

I HEREBY ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THE FOREGOING.

PLEASE INITIAL _____

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE INFORMATION IS CORRECT. I AGREE TO COMPLY WITH ALL CITY AND COUNTY ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION, AND HEREBY AUTHORIZE REPRESENTATIVES OF THIS COUNTY TO ENTER UPON THE ABOVE-MENTIONED PROPERTY FOR INSPECTION PURPOSES.

Mick Gomez 5-12-04

SIGNATURE OF APPLICANT OR AGENT **DATE**

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? YES NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? YES NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? YES NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? YES NO
5. Will the facility have any of the following equipment? YES NO

Charbroiler	Dry Cleaning machine
Spray Booth	Printing press
Internal combustion engine > 50 h.p.	Boiler/combustion equipment >2 Mil BTU/hr input
Abrasive blasting cabinet / room	Baghouse / cartridge-type dust filter / scrubber
Motor fuel storage and disposing equipment	

6. Will any of the following operations be performed? YES NO

Applications of paint or adhesives.	Etching, plating, casting, or melting of metals.
Molding, extruding or curing of plastics.	Mixing and blending of liquids and/or powders
Storage of acids, solvents, organic liquids, or fuels.	Production of fumes, dust smoke or strong odors.

YES answers any of items 1 – 4, please contact San Bernardino County Environmental Health 909/386-8430

YES answers to items 5 or 6, please contact South Coast Air Quality Management District 800/388-2121

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : 12455 ARROW RTE | **PERMIT NO. : PMT2009-02693**

APN NUMBER : 022913117-0000 ISSUED : March 17, 2010

PROJECT DESCRIPTION : INDUSTRIAL EQUIPMENT- X-RAY MACHINE, A SMALL & A LARGE HYDROTESTER & LG PIPE EXPANDER W/TURN TABLE - REROOF OF 15 SQUARES (metal panels)

Owner
AMERON INTERNATIONAL CORPORATION
12455 ARROW RTE
ETIWANDA, CA 91733

Telephone : 1-626-683-4000

Contractor | **License No.**

Telephone :

Description	Const. Type	Units
Re-roofing - Other roofs		15

Work Covered
BLD : Y ELE : Y
MEC : N PLM : Y
FIR : N

Const. Types

Occupancy Groups

Case Notes :

Final
PR 2-3-12

Electrical Fixtures

Fixture Type	Qty
Service/Sub Panels Each	3
Motor, Generator, Transformer	1

Fees

Type	By	T.C.	Amount
ELE Issuance Fee	PAW	1079	$29.61
ELE Inspection Fee	PAW	1079	$118.41
PLM Issuance Fee	PAW	1081	$29.61
PLM Inspection Fee	PAW	1081	$59.21
Misc. Inspection Fee 1 (54%)	PAW	1086	$111.81
Permit Fee:			**$348.65**

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty
Plumbing Fixture	1

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/17/10

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

X 3/17/10
Date:

X
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class:_____ License No.:_____ Date:_____

Contractor Signature:_____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: _____ Policy Number: _____ Expire Date: _____

Name of Agent: _____ Phone Number: _____

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

X
Signature of Applicant:

3/17/10
Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (X) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

X
Signature of Owner, Authorized Agent or CA licensed contractor:

3/17/10
Date:

Mayor
DONALD J. KURTH, M.D.
Mayor Pro Tem
L. DENNIS MICHAEL
Councilmembers
REX GUTIERREZ
SAM SPAGNOLO
DIANE WILLIAMS
City Manager
JACK LAM, AICP

RANCHO CUCAMONGA

THE CITY OF RANCHO CUCAMONGA

AUTHORIZATION OF AGENT TO ACT ON PROPERTY OWNER'S BEHALF

Excluding the Notice to Property Owner, the execution of which I understand is my personal responsibility, I hereby authorize the following person(s) to act as my agent(s) to apply for, sign, and file the documents necessary to obtain an Owner-Builder Permit for my project.

PERMANENT DOCUMENT

Scope of Construction Project (or Description of Work):

INDUSTRIAL EQUIPMENT INSTALLATION

Project Location or Address: 12455 ARROW ROUTE

Name of Authorized Agent: CHUCK BUQUET - CHARLES JOSEPH ASSOCIATES

Address of Authorized Agent: 10681 FOOTHILL BLVD., STE 395, R.C., CA 91730

Phone Number of Authorized Agent: 909-481-1822

I declare under penalty of perjury that I am the property owner for the address listed above and I personally filled out the above information and certify its accuracy.

Property Owner's signature: [signature] Date: 3/17/10

PRESIDENT, AMERON WATER TRANSMISSION GROUP

Note: A copy of the property owner's driver's license, form notarization, or other verification acceptable to the agency is required to be presented when the permit is issued to verify the property owner's signature.

Mayor
DONALD J. KURTH, M.D.
Mayor Pro Tem
L. DENNIS MICHAEL
Councilmembers
REX GUTIERREZ
SAM SPAGNOLO
DIANE WILLIAMS
City Manager
JACK LAM, AICP

THE CITY OF RANCHO CUCAMONGA

RANCHO CUCAMONGA

PERMANENT DOCUMENT

NOTICE TO PROPERTY OWNER

Dear Property Owner:

An applicant for a building permit has been submitted in your name listing you as the builder of the property improvements specified at 12455 ARROW ROUTE

We are providing you with an Owner-Builder Acknowledgment and Information Verification Form to make you aware of your responsibilities and possible risk you may incur by having this permit issued in your name as the Owner-Builder.

We will not issue a building permit until you have read, initialed your understanding of each provision, signed and returned this form to us at our official address indicated. An agent of the owner cannot execute this notice unless you, the property owner, obtain the prior approval of the permitting authority.

OWNER'S ACKNOWLEDGMENT AND VERIFICATION OF INFORMATION

DIRECTIONS: Read and initial each statement below to signify you understand or verify this information.

RM 1. I understand a frequent practice of unlicensed persons is to have the property owner obtain an "Owner-Builder" building permit that erroneously implies that the property owner is providing his or her own labor and material personally. I, as an Owner-Builder, may be held liable and subject to serious financial risk for any injuries sustained by an unlicensed person and his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an Owner-Builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

RM 2. I understand building permits are not required to be signed by property owners unless they are *responsible* for the construction and are not hiring a licensed Contractor to assume this responsibility.

2009-02693

RJM 3. I understand as an "Owner-Builder" I am the responsible party of record on the permit. I understand that I may protect myself from potential financial risk by hiring a licensed Contractor and having the permit filed in his or her name instead of my own.

RJM 4. I understand Contractors are required by law to be licensed and bonded in California and to list their license numbers on permits and contracts.

RJM 5. I understand if I employ or otherwise engage any persons other than California licensed Constructors, and the total value of my construction is at least five hundred dollars ($500.00), including labor and materials, I may be considered an "employer" under state and federal law.

RJM 6. I understand if I am considered an "employer" under state and federal law, I must register with the state and federal government, withhold payroll taxes, provide workers' compensation disability insurance, and contribute to unemployment compensation for each "employee". I also understand my failure to abide by these laws may subject me to serious financial risk.

RJM 7. I understand under California Contractors' State License Law, an Owner-Builder who builds single-family residential structures cannot legally build them with the intent to offer them for sale, unless *all* work is performed by licensed subcontractors and the number of structures does not exceed four within any calendar year, or all of the work is performed under contract with a licensed general building Contractor.

RJM 8. I understand as an Owner-Builder, if I sell the property for which this permit is issued, I may be held liable for any financial or personal injuries sustained by any subsequent owner(s) that result from any latent construction defects in the workmanship or materials.

RJM 9. I understand I may obtain more information regarding my obligations as an "employer" from the Internal Revenue Service, the United States Small Business Administration, the California Department of Benefit Payments, and the California Division of Industrial Accidents. I also understand I may contact the California Division of Industrial Accidents. I also understand I may contact the California Contractors' State License Board (CSLB) at 1-800-321-CSLB (2752) or www.cslb.ca.gov for more information about licensed contractors.

RJM 10. I am aware of and consent to an Owner-Builder building permit applied for in my name, and understand that I am the party legally and financially responsible for proposed construction activity at the following address:

RJM 11. I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern Owner-Builder as well as employers.

RM 2. I agree to notify the issuer of this form immediately of any additions, deletions, or changes to any of the information I have provided on this form.

Licensed contractors are regulated by laws designed to protect the public. If you contract with someone who does not have a license, the Contractors' State License Board may be unable to assist you with any financial loss you may sustain as a result of a complaint. Your only remedy against unlicensed Contractors may be in civil court. It is also important for you to understand that if an unlicensed Contractor or employee of that individual or firm is injured while working on your property, you may be held liable for damages. If you obtain a permits as Owner-Builder and wish to hire Contractors, you will be responsible for verifying whether or not those Contractors are properly licensed and the status of their workers' compensation insurance coverage.

Before a building permit can be issued, this form must be completed and signed by the property owner and returned to the agency responsible for issuing the permit.

Note: A copy of the property owner's driver's license, form notarization, or other verification acceptable to the agency is required to be presented when the permit is issued to verify the property owner's signature.

Signature of property owner Richard L. Muller Date: 3/17/10

PRESIDENT, AMERON WATER TRANSMISSION GROUP

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12455 ARROW RTE | **PERMIT NO. : PMT2010-03008**

APN NUMBER : 022913117-0000 ISSUED : May 05, 2011

PROJECT DESCRIPTION : ON-SITE STORM WATER RUN OFF TREATMENT SYSTEM AND GRADING FOR AMERON INTERNATIONAL

Owner
AMERON INTERNATIONAL CORPORATION
12455 ARROW RTE
ETIWANDA, CA 91733

Telephone : 909 944-4100 EXT 173

Contractor Telephone : 951 830-6668 (CELL) | **License No.**

Telephone :

Description	Const. Type	Units
Rough Grading (Cut & Fill)		1,200
Pvt. St. Imprv. - Water & Sewer (Indu		1

Work Covered
BLD : Y ELE : N
MEC : N PLM : Y
FIR : N

Const. Types

Occupancy Groups

Case Notes :
Dust control sign is not approved at this time. At pre-const.meeting dust control sign will be reverified at that time. Phone number must go directly to the assigned person and not thru switchboard or voicemail.

FINAL
PR 7-3-12

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Grading Inspection Fee (35%)	BS3	1082	$426.30
Precise Grading (Misc.)	MZA	1082	$473.40
Grading Water Quality Mgmt Fee	MZA	1088	$1,186.30
Permit Fee:			**$2,086.00**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 5/5/2011

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☑ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

x 5/5/2011
Date:

x _____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class:_____ License No.:_____ Date:_____

Contractor Signature:_____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: _____ Policy Number: _____ Expire Date: _____

Name of Agent: _____ Phone Number: _____

☑ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

x _____ x 5/5/2011
Signature of Applicant: Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (✓) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

x _____ x 5/5/2011
Signature of Owner, Authorized Agent or CA licensed contractor: Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12455 ARROW RTE | **PERMIT NO. : PMT2013-00204**

APN NUMBER : 022913124-0000 ISSUED : March 25, 2013

PROJECT DESCRIPTION : FD-TAG (1)Above gound 499 gallon LPG Tank with Dispensing Pump using existing foundation for "Tree Island Wire USA"

Owner
TREE ISLAND WIRE (USA) INC
3 IMPERIAL PROMENADE STE 800
SANTA ANA, CA 92707-5919

Telephone :

Contractor
AMERIGAS PROPANE LP
1975 S. RIVERSIDE AVE
BLOOMINGTON, CA 92316

Telephone : (909) 877-2642

License No.
CON717843 A,C20,C36

Description	Const. Type	Units
Standard Hourly Rate		1
AP - liquefied petroleum gasses; inst		1

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR : Y

Const. Types

Occupancy Groups

Case Notes :

FINAL
PR 4-8-13

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS2	1078	$5.71
Misc. Inspection Fee 2	BS2	1086	$126.89
Permit Fee:			**$132.60**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent p Clay Johnson Date 3/25/13

This is a permit when properly completed and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: A, C10, C36 License No.: 717843 Date: 3/25/13

Contractor Signature: Clay Johnson

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

_____ _____ _____
Carrier: Policy Number: Expire Date:

_____ _____
Name of Agent: Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Clay Johnson 3/25/13
Signature of Applicant: Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs. or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

Clay Johnson 3/25/13
Signature of Owner, Authorized Agent or CA licensed contractor: Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga, CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12455 ARROW RTE | **PERMIT NO. : PMT2013-00532**

APN NUMBER : 022913124-0000 | ISSUED : March 07, 2013

PROJECT DESCRIPTION : LIQUID NITROGEN TANK CHANGEOUT- TREE ISLAND WIRE

Owner
TREE ISLAND WIRE (USA) INC
3880 W. VALLEY BLVD
WALNUT, CA 91789

Telephone : 909 957-1394

Contractor | **License No.**

Telephone :

Description	Const. Type	Units

Work Covered
BLD : Y ELE : Y
MEC : N PLM : Y
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINAL
PJL 4-8-13

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS2	1078	$5.46
Inspection Fee (43%)	BS1	1086	$121.24
Permit Fee:			**$126.70**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/7/13

This is a permit when properly completed, and signed, and is subject to expiration. If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

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Date: 3/7/13

Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class:_____ License No.:_____ Date:_____

Contractor Signature:_____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No._____

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Carrier: _____ Policy Number: _____ Expire Date: _____

Name of Agent: _____ Phone Number: _____

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Signature of Applicant: _____ Date: 3/7/13

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name:_____ Lender's Address:_____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
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5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4. please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed contractor: _____ Date: 3/7/13

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12455 ARROW RTE **Record Number: PMT2014-03413**

Parcel #: 022913117-0000 Lot: Issued Date: 09/24/2014
Tract: Phase: Parcel Area:
Project Description: 24' high art installation for Goodman Logistics Center (see PMT2014-01812)

Owner
AMERON INTERNATIONAL CORP
13111 NORTHWEST FRWY #125
No Phone

Contractor
OLTMANS CONSTRUCTION CO
10005 MISSION MILL ROAD
562-948-4242

License No.
86393

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
MISC Technology Fee	$11.64
MISC Inspection Fee	$147.40
MISC Inspection Fee	$0.00
MISC Plan Check Fee	$111.20
Permit Fee:	**$270.24**

Mechanical Equipment

Equipment Type	Qty

TYPES OF WORK

Type	Square Footage
Block Walls w/ Calcs	59

Plumbing Equipment

Equipment Type	Qty

Finaled 3/4/15 CW

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 9-24-14

Printed: 9/24/2014

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars $500).):

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<http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class AB License No. 86393

Date: 9-24-14 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. VTC2SUB2789L897/14
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

_____ _____ _____
Carrier Policy Number Expire Date

_____ _____
Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 9-24-14
Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
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5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
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I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name _____
Date 9-24-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12455 ARROW RTE **Record Number: PMT2015-00261**

Parcel #: 022913130-0000 Lot: Issued Date: 01/21/2015
Tract: Phase: Parcel Area:
Project Description: 4 illuminated wall signs and 6 monument signs - Goodman Logistics

Owner
GOODMAN RANCHO SPE LLC
18201 VON KARMAN STE 1170
No Phone

Contractor **License No.**
ARCHITECTURAL DESIGN & SIGNS INC 714309
2950 PALISADES DRIVE
951-278-0580

Fees	
Type	Amount
Inspection Fee (43%)	$528.17
Plan Review Fee (57%)	$700.13
Technology Fee	$55.27
Permit Fee:	**$1,283.57**

Electrical Fixtures	
Fixture Type	Qty

Mechanical Equipment	
Equipment Type	Qty

Plumbing Equipment	
Equipment Type	Qty

FINALED
1/21/15
CWC

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 1/21/15

Printed: 1/21/2015

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

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Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C45 License No. 214309

Date: 1/21/15 Contractor Signature [signature]

WORKERS' COMPENSATION DECLARATION

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  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Insurance Co of West WSD5023616700 05/15

Carrier Policy Number Expire Date

Gallagher Risk Mgmt 949 349 9862

Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

[signature] 1/21/15

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

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_____

Lender's name

_____

Lender's Address

Hazardous Materials

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I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name [signature] Billy Williams

Date 1/21/15

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12455 ARROW RTE **Record Number: PMT2015-00261**

Parcel #: 022913130-0000 Lot: Issued Date: 01/21/2015
Tract: Phase: Parcel Area:
Project Description: 4 illuminated wall signs and 6 monument signs - Goodman Logistics

Owner
GOODMAN RANCHO SPE LLC
18201 VON KARMAN STE 1170
No Phone

Contractor **License No.**
ARCHITECTURAL DESIGN & SIGNS INC 714309
2950 PALISADES DRIVE
951-278-0580

Fees	
Type	Amount
Inspection Fee (43%)	$528.17
Plan Review Fee (57%)	$700.13
Technology Fee	$55.27
Permit Fee:	**$1,283.57**

Electrical Fixtures	
Fixture Type	Qty

Mechanical Equipment	
Equipment Type	Qty

Plumbing Equipment	
Equipment Type	Qty

FINALED
1/21/15
CWC

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 1/21/15

Printed: 1/21/2015

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason: _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C45 License No. 214309

Date: 1/21/15 Contractor Signature [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Insurance Co of West WSD5023616700 05/15

Carrier Policy Number Expire Date

Gallagher Risk Mgmt 949 349 9862

Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

[signature] 1/21/15

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am (X) a California licensed contractor or (_) the property owner or (_) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name [signature] Billy Williams

Date 1/21/15

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

department of COMMUNITY DEVELOPMENT

BUILDING PERMIT

Building Address	12455 ARROW RT		
Lot No.	Block	Tract	
Owner	AMERON PIPE DIV		
Mailing Address	12455 ARROW RT		
City	RANCHO CUCAMONGA	Zip 91716	Tel.
Contractor	FAIRBANKS WEIGHING DIV		
Address	4715 E. WASHINGTON BLVD		
City	LOS ANGELES	Zip 90040	Tel. (213) 266-3880
State Lic. & Classif.	C61-228213	City Lic. No.	
Arch., Engr., Designer	—		
Address	—	Tel.	—
City	—	Zip —	State Lic. No. —
Proposed Construction	MOTOR TRUCK SCALE PIT		
Sq. Ft. Size	840	No. Stories 0	No. Dw. Units 0
New ☒	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 9,400.00

FEES		
PLAN CHECKING FEE	paid 4/23/80 06937	60 38
PERMIT FEE		80 50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL		

Processed by BEH | Receipt No. 23-1322 | Validation JC | Date 5/19/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for the reason _____

Date 4-23-80 Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. DICK 146649-SPA Company COLT INDUSTRIES

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 4-23-80

Mailing Address 4715 E. WASHINGTON BLVD

City, State, Zip LOS ANGELES CA 90040

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	5/20/80	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/12/80	
SWIMMING POOL/SPA		
EXCAV., REINF., SETBACKS: Radius Sit., Bonding, Exp. Soil, Ramp Lac., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12455 Arrow Route

Owner: American Tile

Mailing Address:

City: Etiwanda Zip: Tel: 714 899-1716

Contractor: Tamac Fld. Inc.

Address: 13344 Cambridge St

City: Mentone Zip: 92370 Tel: 213 882-1961

State Lic. & Classif.: A 383076 City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reasons _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 2 58 20 93 28 Company Liberty Mutual

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: _____ Date: 8/25/81

Mailing Address: 13344 Cambridge St

City, State, Zip: Mentone, Ca 92370

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. .....@.....	
	Sq. Ft. Area New Res. Accessory Bldg. .....@.....	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Others	
	Plan Chk. Fee..... Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	1	Gas System (No. Outlets.....7...)	4 90
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee..... Issuance Fee			7 00
	TOTAL PLUMBING FEES			13 90
	TOTAL ELEC., MECH., PLMBG. FEES			13 90

Processed By: _____ Spec. Cond.: _____

Permit No. 81-2676 Validation: Joe R. Date: 9/1/81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT			
ROUGH WIRING			
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.			
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services	3-17-83	Wave	
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Heat Pump

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12455 ARROW ROUTE

Owner: AMERON (PIPE PLANT)

Mailing Address: 4700 RONDNA BLVD

City: MONTEREY PARK | Zip: | Tel: 268-4111

Contractor: PRIME OF CALIFORNIA

Address: 14751 S. GARFIELD AVE

City: PARAMOUNT | Zip: 90723 | Tel: 774-3270

State Lic. & Classif.: 183244 C-61 | City Lic. No.: 2258

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. CC 20-369-069-841 Company ARGONAUT

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: William E. Wentzel Date: 4-9-80

Mailing Address: 14751 S. GARFIELD AVE

City, State, Zip: PARAMOUNT, CALIF 90723

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 5-1/2 60 AMP)	10 00
1	Outlets (Receptacles, Lights, Switches)	50
	Fixtures	
3	Motors (HP ea. 1/3)	7 50
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 50
	TOTAL ELECTRICAL FEES	25 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Others	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 25 00

Processed By: BAL | Spec. Cond.

Permit No. 80-936 | Validation JC | Date 4/9/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING	4/16/80	[illegible]	
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.	4/16/80	[illegible]	
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Duct., Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

J. M. CARDEN SPRINKLER CO. INC.

2909 FLETCHER DRIVE, LOS ANGELES, CALIFORNIA 90065

March 1, 1995

Foothill Fire Protection District
6623 Amethyst, P.O. Box 35
Rancho Cucamonga, CA 91701
Attn: John Thomas

Re: Ameron Pipe
12455 Arrow Route
P.C. #95.0222

Gentlemen:

This is a cover letter intended to help with your re-check of our plans for the project referenced above. We are addressing each consecutive item as detailed in your correction list of 1/24/95.

Item I-C (F.D.C.): Revisions have been made per your standard #4019. See sheet 1 of 2 - "Fire Service Detail" in the lower left corner of the sheet.

Item I-E (Flow Test): All flow test data has been added to the "Site Plan General Notes" on sheet 1 of 2 at the right side of the sheet.

Item II-E.2 (Storage Arrangement): No storage of commodity is intended. The building is a "pass-through" pipe coating process facility.

Item II-E.4: The Test Certificate note has been added to the "Site Plan General Notes" on sheet 1 of 2.

Item III-A (P.I.V. Location): The P.I.V. is currently located approximately 850' from the building and at least 6'-0" from the F.D.C. near the service vault. Site fire hydrants will be located no closer the 40'-0" from the structure. All work will be per your standard #4019.

Item III-B (Fire Hydrant Type): The fire hydrant types have been revised per your "Fire Hydrant/Installation Standards". See sheet 1 of 2 "Underground Symbol Legend" for site hydrants and the note at the upper center of sheet regarding the one street hydrant.

Item III-D.2: Thrust block details have been added at the upper center of sheet 1 of 2.

Item III-D.3: Depth of bury is noted in the "Site Plan General Notes" under Item 2.

Item V-B.1 (Hangers): Hanger details have been added to sheet 2 of 2 at the bottom or the sheet below the Building Cross Section.

J. M. CARDEN SPRINKLER CO. INC.

2909 FLETCHER DRIVE, LOS ANGELES, CALIFORNIA 90065

Item V-B.3 (E.Q.B.): Earthquake brace details and zone analysis has be added to sheet 2 of 2 at the right side of the plan.

Item V-C.2 (Insp. Test): Inspector's Test pipe has been cut and the 3/4" orifice size has been added at column lines 1 and E on sheet 2 of 2.

Item V-G.3 (Special Considerations): Under this type of construction the deflector distance (16" Max) is typical for combustible and noncombustible construction. The actual deflector distance will be 11". See sheet 2 of 2 "System General Notes" Item 4, directly above the north arrow on the plan.

Item VI-A (Roof Construction): See sheet 2 of 2 "System General Notes".

Item VII-C (Water Supply): The flow test used for calculation purposes has been reduced 10% from the actual data. The 3.60 psi / 4.4% buffer shown on the calculations cover sheet is above and beyond the required 10% buffer. Notes to this effect have been added to the calculations.

Please call if you have any questions or comments and, thank you for your assistance.

Respectfully,

Brett Tucker

Brett Tucker
Project Engineer

J. M. CARDEN SPRINKLER CO.
2909 FLETCHER DR. L.A., CA
213-258-8300

HYDRAULIC CALCULATION

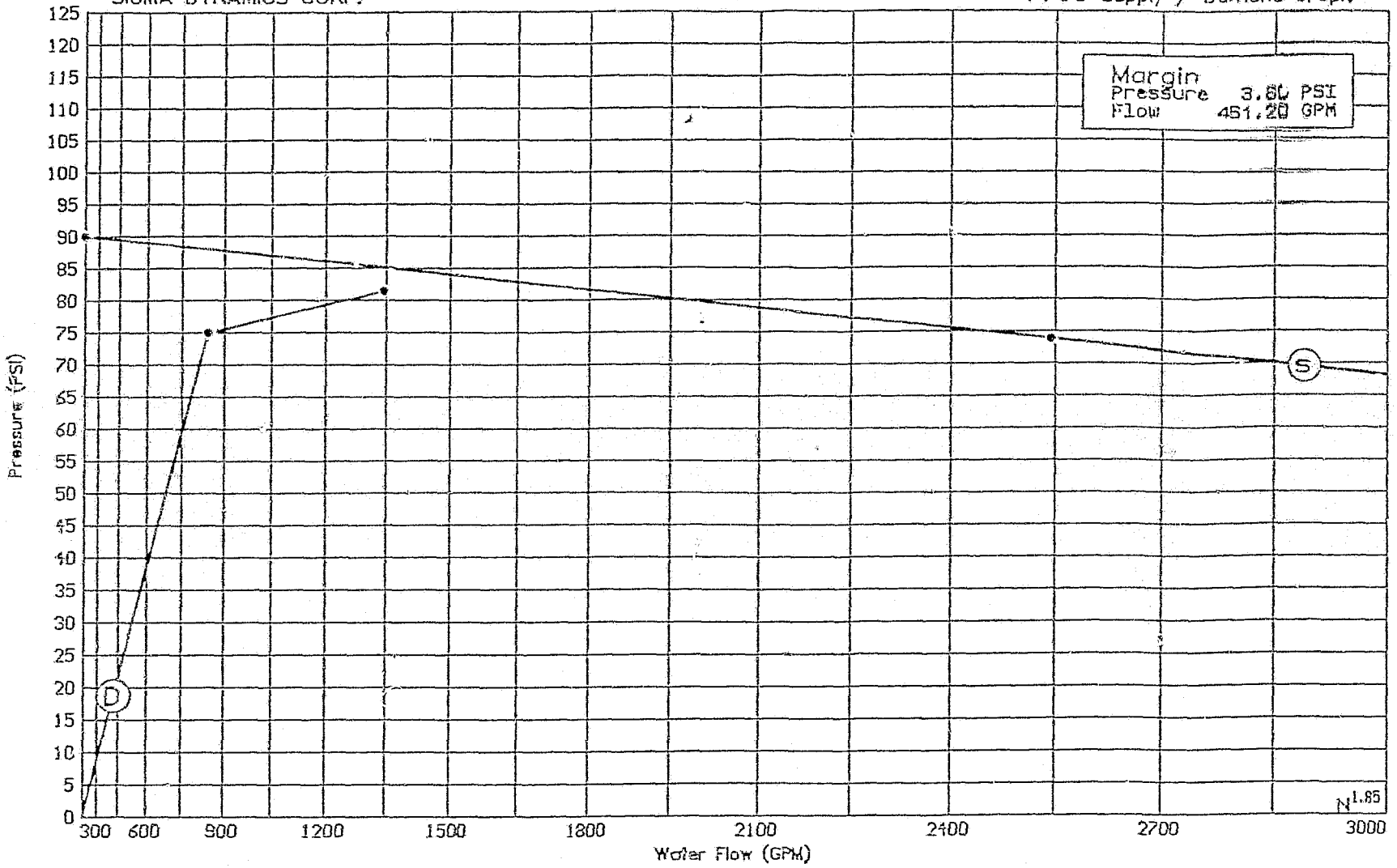
DESIGN INFORMATION

NAME:	AMERON PIPE
LOCATION:	2455 ARROW ROUTE RANCHO CUCAMUNGA,CA.
SYSTEM NO.:	#1
CONTRACT NO.:	JMC #4971
DATE:	01/13/95
OCCUPANCY CLASSIFICATION:	EX.HAZ.-GR.I
SYSTEM TYPE:	WET
SPRINKLER ORIFICE SIZE:	3/4"
DENSITY:	0.30 GPM/SQ.FT.
AREA OF APPLICATION:	2500 SQ.FT.
COVERAGE PER SPRINKLER	97.50 SQ. FT.MAX.
NUMBER OF SPRINKLERS CALCULATED:	27 SPRINKLERS
SYSTEM DEMAND AT B.O.R.	838.90 GPM AT 69.52 PSI
HOSE ALLOWANCE GPM-INSIDE:	100 GPM
HOSE ALLOWANCE GPM-INSIDE:	400 GPM
SYSTEM DEMAND AT P.O.C.:	1338.90 GPM AT 81.44 PSI
AVAILABLE FOR SYSTEM A. P.O.C:	1338.90 GPM AT 85.05 PSI
SAFETY MARGIN:	3.60 PSI (4.4%) - MARGIN AFTER 10% REDUCTION OF FLOW TEST ⚠
CALCULATED BY:	A.PALATNIKOV
AUTHORITY HAVING JURISDICTION:	RANCHO CUCAMUNGA B.& S.DEPT. FOOTHILL FIRE DISTRICT

JMC #4971

SIGMA DYNAMICS CORP.

7700 Supply / Demand Graph



System Demand..

Sprinkler Demand	74.99 PSI @	838.90 GPM
Additional Flows		500.00 GPM
Hose at Source		0.00 GPM
Total Demand	81.44 PSI @	1338.89 GPM

Water Supply

Static	90.00	PSI
Residual	73.80 PSI @	2541.00 GPM
Elevation	0.00	PSI

⚠ # ADJUSTED FOR 10% SAFETY

BRANCH LINE NO. 1

("K" FACTOR FOR SPRINKLERS ##102.116)

SLOPE= 0.00 (FOOT/FOOT) C4= 1.000 C=120

DENSITY= .3 AREA= 95.63 PT= 12.24

HD.#	DIA.	LENGTH	K	QA	PF	PN	PE	FITTINGS	VEL.
1	1.089	0.17	8.200	28.69	1.09	12.24		0E 1T	9.86
2		0.17-					0.07		

K= 7.84 Q= 28.69 PT= 13.4

VOLUME = 0.00 CU.F.

VOLUME = 0.01 GAL.

BRANCH LINE NO. 1

("K" FACTOR FOR SPRINKLERS ##101)

SLOPE= 0.00 (FOOT/FOOT) C4= 1.000 C=120

DENSITY= .3 AREA= 93.75 PT= 11.77

HD.#	DIA.	LENGTH	K	QA	PF	PN	PE	FITTINGS		VEL.
								OE	1T	
1	1.089	0.17	8.200	28.13	1.05	11.77				9.69
2		0.17--					0.07			

K= 7.84 Q= 28.13 PT= 12.89

VOLUME = 0.00 CU.F.

VOLUME = 0.01 GAL.

BRANCH LINE NO. 1

("K" FACTOR FOR SPRINKLERS ##103,104,117,118)

SLOPE= 0.00 (FOOT/FOOT) C4= 1.000 C=120

DENSITY= .3 AREA= 97.5 PT= 12.72

HD.#	DIA.	LENGTH	K	QA	PF	PN	PE	FITTINGS	VEL.
1	1.089	0.17	8.200	29.25	1.13	12.72		0E 1T	10.07
2		0.17-					0.07		

K= 7.84 Q= 29.25 PT= 13.92

VOLUME = 0.00 CU.F.

VOLUME = 0.01 GAL.

4971 ‖JMC #4971 ‖Sigma Dynamics Corp

System Data...
Pipes 42 Flows 2
Sprinklers 27 Loops 0

Unbalance	Pressure	Flow	Overage	MARGIN	
0.01	81.44	1338.9	4.4%	3.60 PSI	461.2 GPM

⚠ MARGIN AFTER 10% REDUCTION OF FLOW TEST

Calculations Complete

Maximum velocity from 16 to 26 is 22.37 FPS

System Demand...				Water Supply...			
Sprinkler Demand	74.99 PSI	@	838.9 GPM	Static	90.00 PSI		
Additional Flows			500.0 GPM	Residual	73.80 PSI	@	2541.0 GPM
Hose at source			GPM	Elevation			0.0 Ft
Total Demand	81.44 PSI	@	1338.9 GPM				
Available...							
Pressure	85.05 PSI	@	1338.9 GPM				
Flow	81.44 PSI	@	1800.1 GPM				

Press SPACE BAR To Re-Display Windows

SUBMITTAL SERIAL NO:2393HY5 01-13-1995 PAGE 1
JMC #4971
AMERON PIPE
0.3/2500

FLOW TEST RESULTS

Water Supply
STATIC 90.00 PSI
RESIDUAL 73.80 PSI @ 2541.00 GPM

CITY PRESSURE AVAILABLE AT 1338.9 GPM 85.05 PSI

SUMMARY OF SPRINKLER OUTFLOWS

SPR	ACTUAL FLOW	MINIMUM FLOW	K-FACTOR	PRESSURE
101	36.81	28.13	7.84	22.04
102	31.57	28.69	7.84	16.22
103	31.17	29.25	7.84	15.80
104	31.05	29.25	7.84	15.69
105	37.41	28.13	8.20	20.82
106	31.15	28.69	8.20	14.43
107	30.75	29.25	8.20	14.06
108	30.63	29.25	8.20	13.96
109	37.11	28.13	8.20	20.48
110	30.25	28.69	8.20	13.61
111	29.85	29.25	8.20	13.26
112	29.74	29.25	8.20	13.16
113	30.00	28.69	8.20	13.38
114	29.60	29.25	8.20	13.03
115	29.49	29.25	8.20	12.94
116	31.32	28.69	7.84	15.96
117	30.92	29.25	7.84	15.55
118	30.80	29.25	7.84	15.44
119	30.90	28.69	8.20	14.20
120	30.50	29.25	8.20	13.83
121	30.38	29.25	8.20	13.73
122	30.00	28.69	8.20	13.39
123	29.61	29.25	8.20	13.04
124	29.50	29.25	8.20	12.94
125	29.75	28.69	8.20	13.16
126	29.36	29.25	8.20	12.82
127	29.25	29.25	8.20	12.72

JMC #4971
AMERON PIPE
0.3/2500

TOTAL WATER REQUIRED FOR SYSTEM	838.90 GPM
OUTFLOWS AT 6	100.00 GPM
OUTFLOWS AT 4	400.00 GPM
TOTAL WATER REQUIREMENT	1338.90 GPM
PRESSURE REQUIRED AT 0	81.44 PSI
MAXIMUM PRESSURE UNBALANCE IN LOOPS	0.01 PSI
MAXIMUM VELOCITY IN PIPES	22.37 FPS

JMC #4971
AMERON PIPE
0.3/2500

FROM	TO	FLOW GPM	DIAM IN				EQUIV LENGTH Ft	P-LOSS PIPE PSI/Ft		PRESSURE SUMMARY PSI	
124	127		1.650			L	7.50	0.0290	PT	12.72	(127)
	Q	29.25			F=0	F	0.00		PE	0.00	
				BN1	C120	T	7.50		PF	0.22	
121	124DQ	29.50	1.650			L	7.50	0.1052	PT	12.94	(124)
	Q	58.75			F=0	F	0.00		PE	0.00	
				BN2	C120	T	7.50		PF	0.79	
118	121DQ	30.38	1.650			L	7.50	0.2276	PT	13.73	(121)
	Q	89.13			F=0	F	0.00		PE	0.00	
				BN3	C120	T	7.50		PF	1.71	
28	118DQ	30.80	2.115			L	4.92	0.1176	PT	15.44	(118)
	Q	119.94			F=T	F	10.00		PE	0.00	
				BN4	C120	T	14.92		PF	1.75	
									PT	17.19	(28)
123	126		1.650			L	7.50	0.0292	PT	12.82	(126)
	Q	29.36			F=0	F	0.00		PE	0.00	
				BN1	C120	T	7.50		PF	0.22	
120	123DQ	29.61	1.650			L	7.50	0.1060	PT	13.04	(123)
	Q	58.97			F=0	F	0.00		PE	0.00	
				BN2	C120	T	7.50		PF	0.79	
117	120DQ	30.50	1.650			L	7.50	0.2291	PT	13.83	(120)
	Q	89.47			F=0	F	0.00		PE	0.00	
				BN3	C120	T	7.50		PF	1.72	
27	117DQ	30.92	2.115			L	4.92	0.1184	PT	15.55	(117)
	Q	120.39			F=T	F	10.00		PE	0.00	
				BN4	C120	T	14.92		PF	1.77	
									PT	17.32	(27)
122	125		1.650			L	7.50	0.0299	PT	13.16	(125)
	Q	29.75			F=0	F	0.00		PE	0.00	
				BN1	C120	T	7.50		PF	0.22	
119	122DQ	30.00	1.650			L	7.50	0.1086	PT	13.38	(122)
	Q	59.75			F=0	F	0.00		PE	0.00	
				BN2	C120	T	7.50		PF	0.81	
116	119DQ	30.90	1.650			L	7.50	0.2348	PT	14.19	(119)
	Q	90.65			F=0	F	0.00		PE	0.00	
				BN3	C120	T	7.50		PF	1.76	

FROM	TO	FLOW GPM	DIAM IN				EQUIV LENGTH Ft	P-LOSS PIPE PSI/Ft	PRESSURE SUMMARY PSI	
26	116DQ	31.32	2.115			L	4.92	0.1213	PT 15.95	(116)
	Q 121.97			F=T	F	10.00			PE 0.00	
			BN4	C120	T	14.92			PF 1.81	
									PT 17.76	(26)
112	115		1.650			L	7.50	0.0294	PT 12.94	(115)
	Q 29.49			F=0	F	0.00			PE 0.00	
			BN1	C120	T	7.50			PF 0.22	
108	112DQ	29.74	1.650			L	7.50	0.1069	PT 13.16	(112)
	Q 59.24			F=0	F	0.00			PE 0.00	
			BN2	C120	T	7.50			PF 0.80	
104	108DQ	30.63	1.650			L	7.50	0.2310	PT 13.96	(108)
	Q 89.87			F=0	F	0.00			PE 0.00	
			BN3	C120	T	7.50			PF 1.73	
28	104DQ	31.05	2.115			L	2.58	0.1194	PT 15.69	(104)
	Q 120.92			F=T	F	10.00			PE 0.00	
			BN4	C120	T	12.58			PF 1.50	
18	28DQ	119.94	2.115			L	2.83	0.4272	PT 17.19	(28)
	Q 240.86			F=T	F	10.00			PE 1.23	
			NR2	C120	T	12.83			PF 5.48	
									PT 23.90	(18)
111	114		1.650			L	7.50	0.0296	PT 13.03	(114)
	Q 29.60			F=0	F	0.00			PE 0.00	
			BN1	C120	T	7.50			PF 0.22	
107	111DQ	29.85	1.650			L	7.50	0.1076	PT 13.25	(111)
	Q 59.46			F=0	F	0.00			PE 0.00	
			BN2	C120	T	7.50			PF 0.81	
103	107DQ	30.75	1.650			L	7.50	0.2326	PT 14.06	(107)
	Q 90.21			F=0	F	0.00			PE 0.00	
			BN3	C120	T	7.50			PF 1.74	
27	103DQ	31.17	2.115			L	2.58	0.1202	PT 15.80	(103)
	Q 121.38			F=T	F	10.00			PE 0.00	
			BN4	C120	T	12.58			PF 1.51	
17	27DQ	120.39	2.115			L	2.83	0.4302	PT 17.31	(27)
	Q 241.76			F=T	F	10.00			PE 1.23	
			NR2	C120	T	12.83			PF 5.52	
									PT 24.06	(17)

JMC #4971
AMERON PIPE
0.3/2500

FROM	TO	FLOW GPM	DIAM IN			EQUIV LENGTH Ft		P-LOSS PIPE PSI/Ft		FRESSURE SUMMARY PSI	
110	113		1.650		L	7.50	0.0303	PT	13.38	(113)
	Q	30.00		F=0	F	0.00		PE	0.00	
				BN1 C120	T	7.50		PF	0.23	
106	110DQ	30.25	1.650		L	7.50	0.1102	PT	13.61	(110)
	Q	60.24		F=0	F	0.00		PE	0.00	
				BN2 C120	T	7.50		PF	0.83	
102	106DQ	31.15	1.650		L	7.50	0.2384	PT	14.44	(106)
	Q	91.40		F=0	F	0.00		PE	0.00	
				BN3 C120	T	7.50		PF	1.79	
26	102DQ	31.57	2.115		L	2.58	0.1232	PT	16.23	(102)
	Q	122.97		F=T	F	10.00		PE	0.00	
				BN4 C120	T	12.58		PF	1.55	
16	26DQ	121.97	2.115		L	2.83	0.4407	PT	17.78	(26)
	Q	244.94		F=T	F	10.00		PE	1.23	
				NR2 C120	T	12.83		PF	5.65	
								PT	24.66	(16)
105	109		1.650		L	7.50	0.0450	PT	20.48	(109)
	Q	37.11		F=0	F	0.00		PE	0.00	
				BN2 C120	T	7.50		PF	0.34	
101	105DQ	37.41	1.650		L	7.50	0.1634	PT	20.82	(105)
	Q	74.53		F=0	F	0.00		PE	0.00	
				BN3 C120	T	7.50		PF	1.23	
25	101DQ	36.81	2.115		L	2.58	0.1025	PT	22.05	(101)
	Q	111.33		F=T	F	10.00		PE	0.00	
				BN4 C120	T	12.58		PF	1.29	
15	25		2.115		L	2.83	0.1025	PT	23.34	(25)
	Q	111.33		F=T	F	10.00		PE	1.23	
				NR2 C12.	T	12.83		PF	1.32	
								PT	25.89	(15)
9	10		4.352		L	2.58	0.1280	PT	42.31	(10)
	Q	838.90		F=T	F	16.00		PE	1.12	
				NR1 C120	T	18.58		PF	2.38	
								PT	45.81	(9)
17	18		4.352		L	13.00	0.0127	PT	23.90	(18)
	Q	240.86		F=0	F	0.00		PE	0.00	
				FM4 C120	T	13.00		PF	0.17	

FROM	TO	FLOW GPM	DIAM IN			EQUIV LENGTH Ft	P-LOSS PIPE PSI/Ft	PRESSURE SUMMARY PSI
16	17DQ	241.76	4.352		L	12.75	0.0460 PT	24.07 (17)
	Q	482.62		F=0	F	0.00	PE	0.00
			FM4	C120	T	12.75	PF	0.59
15	16DQ	244.94	4.352		L	12.50	0.0983 PT	24.66 (16)
	Q	727.56		F=0	F	0.00	PE	0.00
			FM4	C120	T	12.50	PF	1.23
10	15DQ	111.33	4.352		L	112.42	0.1280 PT	25.89 (15)
	Q	838.90		F=T	F	16.00	PE	0.00
			FM3	C120	T	128.42	PF	16.44
							PT	42.33 (10)
8	9		4.352		L	31.00	0.1280 PT	45.81 (9)
	Q	838.90		F=T	F	16.00	PE	0.00
			FM2	C120	T	47.00	PF	6.02
7	8		4.352		L	33.00	0.1280 PT	51.83 (8)
	Q	838.90		F=2E	F	14.00	PE	-1.12
			FM1	C120	T	47.00	PF	6.02
6	7		6.357		L	27.00	0.0202 PT	56.73 (7)
	Q	838.90		F=ALV	F	27.00	PE	11.70
			FR1	C120	T	54.00	PF	1.09
4	6DQ	100.00	8.044		L	110.00	0.0052 PT	69.52 (6)
	Q	938.90		F=3E,T	F	113.00	PE	0.00
			UN3	C150	T	223.00	PF	1.16
2	4DQ	400.00	8.044		L	880.00	0.0101 PT	70.68 (4)
	Q	1338.90		F=CV,GV	F	77.00	PE	0.00
			UN2	C150	T	957.00	PF	9.67
0	2		8.044		L	50.00	0.0101 PT	80.35 (2)
	Q	1338.90		F=T,GV	F	59.00	PE	0.00
			UN1	C150	T	109.00	PF	1.10
							PT	81.45 (0)

MAXIMUM PRESSURE UNBALANCE IN LOOPS 0.01 PSI
MAXIMUM VELOCITY IN PIPES 22.37 FPS

California State Fire Marshal

LISTING SERVICE

Listing Expires:
June 30, 1996

LISTING No: 7165-0559:114

CATEGORY: Control Units (Non High-Rise)

LISTEE: Silent Knight, 7550 Meridian Circle, Maple Grove MN 55369-4927
Contact: Brian Foltz (612) 493-6400

DESIGN: Model 5104. Provides automatic, manual and waterflow service when used as a central station protective premise unit. Intended to monitor various initiating devices and transmit to a central station receiving unit various preprogrammed alarm and trouble signals. Refer to listee's data sheet for detailed product description, electrical rating and operational considerations.

OPTIONS: Refer to listee's data sheet for required/optional accessories. When required, accessories shall be CSFM listed.

INSTALLATION: In accordance with listee's printed installation instructions and applicable codes and ordinances.

MARKING: Listee's name, model number and UL label.

APPROVAL: Listed control unit for use with separately listed compatible initiating and indicating devices.

This listing is based upon technical data submitted by the applicant. CSFM staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

ISSUED: MARCH 31, 1995
Effective issue date to expiration date

AUTHORIZED BY: Ellen M. Shelton

ELLEN M. SHELTON
Deputy State Fire Marshal

SILENT KNIGHT
FIRE SYSTEMS™

COMMERCIAL FIRE ALARMS

Model 5104
Fire Control Communicator

FEATURES

- UL 864 Listed for NFPA 71
- Can be Used Stand Alone or as a Slave Communicator
- Four Fully Supervised Inputs
- Downloadable for Remote Programming, Control and Monitoring
- Fuseless Overload Protection with Automatic Reset Circuitry and Fault Indicators
- Dual Phone Line Interface
- Automatic 24 Hour Test
- Reports in SIA and Most Major Communications Formats



5104

DESCRIPTION

The Silent Knight Model 5104 is an 4-zone fire control communicator. It is designed specifically to offer digital fire reporting over ordinary telephone lines rather than costly leased lines.

The Model 5104 is approved for use in applications required to meet UL 864 and NFPA 71 requirements. These requirements include the monitoring of local evacuation controls. The 5104 will monitor dry contact alarm and trouble outputs and transmit a separate code for each.

The Model 5104 can be used stand alone to monitor sprinkler systems for waterflow, supervisory, and gate valve tamper conditions. It can also be used stand alone for automatic fire detection system for structures that are not required to have a fire alarm system but want property protection (to call the fire department after hours).

The Model 5104 is fully supervised. Its microprocessor constantly runs programs to monitor AC, standby battery, zone inputs, and the telephone line connections. If a fault condition is detected, it sounds a local trouble audible and reports the condition to the central station. If one of the telephone lines faults, for more than 45 seconds, it will automatically switch to the other to report the failure.

The Model 5104 conducts an automatic self-test every 24 hours—at a time you select—and sends a report to the central station. It uses the industry standard SIA reporting format as well as other major formats to transmit to most central station receivers.

The communicator will signal activation and restoration and trouble conditions on any of the four inputs. There is one Style D (Class A) input, and three Style A (Class B) inputs. If an application requires a different input configuration, the individual input styles may be changed by using a Model 7181 Fire Zone Converter Module. The 7181 also allows use of two-wire type smoke detectors, instead of the normal four-wire contact type, for automatic fire detection applications.

A single, programmable output is provided for alarm or dialer failed conditions. This output cannot be used for evacuation purposes.

Fuseless electronics provide built-in overload protection with automatic reset that eliminates the cause of most field service calls.

LISTING SERVICE

Listing Expires
June 30, 1996

LISTING No. 7770-0328:001

CATEGORY: Valves/Switches

LISTEE: Potter, 2081 Craig Road, St. Louis, MO 63146
Contact: Matthew Springli (800)325-3936

DESIGN: Vane and pressure type water flow alarm switches listed below. Refer to listee's data sheet for detailed product description and operational considerations.

Vane Types:

VSR-CF	VSR-D	VSR-F	VSR-SF
VSR-FE-2	VS-SP	VS-F	

Pressure Type:

WFS-B	WFSR-C	WFSPD-B
PS-10A	PS-100A	WFSR-F

INSTALLATION: In accordance with listee's printed installation instructions and applicable codes and ordinances.

MARKING: Listee's name, model number and UL or FM label.

APPROVAL: Listed as waterflow alarm switches for use with fire sprinkler systems. Vane models may be used in wet pipe systems; pressure models may be used in wet or dry systems. Model VSR-CF is for use on K,L or M copper pipe (2-4") and listed CPVC pipe (2-3"). Model VSR-SF for use on 1, 1¼ and 1½" steel, copper or listed plastic pipe. Vane type switches may be used outdoors when the outdoor temperature never falls below 40°F.

Rev. 11-29-93

This listing is based upon technical data submitted by the applicant. CSFM staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

ISSUED: APRIL 10, 1995
Effective issue date to expiration date

AUTHORIZED BY: Ellen M. Shelton

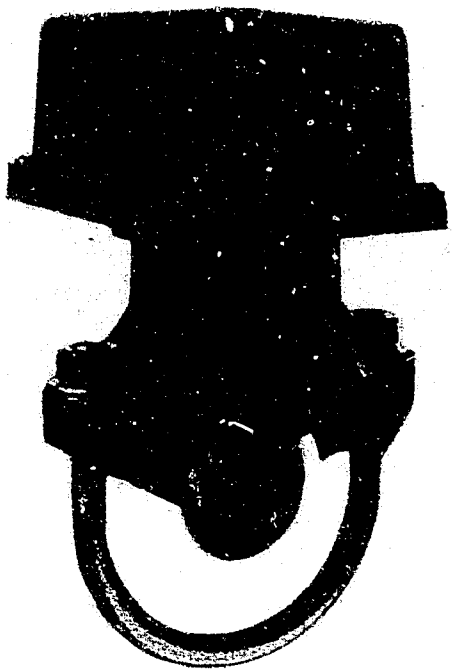
ELLEN M. SHELTON
Deputy State Fire Marshal

POTTER

VSR-F
VANE TYPE WATERFLOW SWITCH WITH RETARD

Potter Electric Signal Company
2081 Craig Rd./P. O. Box 28480
St.Louis, Mo. 63146
(314)878-4321 / (800)325-3936

Potter Electric Signal & Mfg. LTD
1967 Leslie Street
Don Mills, Ontario, Canada M3B2M3
(416) 441-1833



U.S. PAT. NO. 3921989
CANADIAN PAT. NO. 1009680
OTHERS PATENTS PENDING

U.L. LISTED & FM APPROVED

Service Pressure: Up to 450 PSI

Minimum Flow Rate for Alarm: 10 GPM

Maximum Surge: 18 FPS

Contact Ratings: Two sets of S.P.D.T. (Form C)
10.00 Amp. @ 125/250V. AC
2.00 Amp.@ 0-30V. DC Resistive

Conduit Entrances: Two openings for 1/2" conduit

Environmental Limitations: 40°F/120°F, 4.5°C/49°C

Caution: This device is not intended for applications in explosive environments

Sizes Available: For schedules 10 thru 40 sizes 2" thru 8"

Service Use:

Automatic Sprinkler	NFPA-13
One or two Family Dwelling	NFPA-13D
Residential Occupancies up to 4 Stories	NFPA-13R
Central Station	NFPA-71
Local	NFPA-72A
Auxiliary	NFPA-72B
Remote Station	NFPA-72C
Proprietary	NFPA-72D

Optional: Cover Tamper Switch Order Stk. No. 0090018

GENERAL INFORMATION

The Model VSR-F is a vane type waterflow switch for use on wet sprinkler systems. It is UL Listed and FM approved for use on steel pipe; schedules 10 through 40 sizes 2" thru 8".

The unit may also be used as a sectional waterflow detector on large systems.

The unit contains two single pole, double throw, snap action switches and an adjustable pneumatic retard. The switches are actuated when a flow of 10 gallons per minute or more occurs downstream of the device. The flow condition must exist for a period of time necessary to overcome the selected retard period.

ENCLOSURE: The unit is enclosed in a general purpose, cast aluminum housing. The cover is held in place with two tamper resistant screws which require a special key for removal. A field installable cover tamper switch is available as an option which may be used to indicate unauthorized removal of the cover. See Bulletin 763 for installation instructions of this switch.

INSTALLATION: See Fig.2

These devices may be mounted on a horizontal or vertical pipe. On horizontal pipe they should be installed on the top side of the pipe where they will be accessible. The units should not be installed within 6 inches of a fitting which changes the direction of the waterflow or within 24 inches of a valve or drain.

Drain the system and drill a hole in the pipe using a circular saw in a slow speed drill. The 2" and 2 1/2" devices require a hole with a min. dia. of 1 1/8" to a max. dia. of 1 5/16". All other sizes require a hole with a min. dia. of 1 7/8" to a max. dia. of 2 1/16".

Clean the inside pipe of all growth or other material for a distance equal to the pipe diameter on either side of the hole.

Roll the vane so that it may be inserted into the hole; do not bend or crease it. Insert the vanes so that the arrow on the saddle points in the direction of the waterflow. Install the saddle strap and tighten nuts alternately to an eventual 50 ft-lbs.of torque. See Fig. 2. The vane must not rub the inside of the pipe or bind in any way.

California State Fire Marshal

LISTING SERVICE

Listing Expires
June 30, 1996

LISTING No: 7770-0328:010

CATEGORY: Valves/Switches

LISTEE: Potter, 2081 Craig Rd., St. Louis MO 63146
Contact: Matthew Springli (800) 325-3936

DESIGN: Supervisory switches listed below to monitor pressure, OS&Y, gate, globe/gate, PIV, tank temperature or water level valves. Refer to listee's data sheet for detailed product description and operational considerations.

HLS-B	WLS-W	WLS-S	PS-40A
PS-120A	OSYSU-2	OSYS-B	PMS
PTS-B	OSYSU-1	GVS	PCVS-1
PCVS-2	PIVS-B	TTS-S	TTS-W

INSTALLATION: In accordance with listee's printed instructions and applicable codes and ordinances.

MARKING: Listee's name, model designation and FM or UL label.

APPROVAL: Listed as sprinkler system supervisory switches.

NOTE: Formerly 7738-0328:010

02-05-93

This listing is based upon technical data submitted by the applicant. CSFM staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

ISSUED: APRIL 10, 1995
Effective issue date to expiration date

AUTHORIZED BY: Ellen M. Shelton

ELLEN M. SHELTON
Deputy State Fire Marshal

POTTER

PCVS

Potter Control Valve Switch

Potter Electric Signal Company 2081 Craig Rd, St. Louis, MO 63146 / (800) 325-3936 / (314) 878-4321

The Model PCVS is a weatherproof and tamper resistant switch for monitoring the open position of Fire Sprinkler Control valves of the post indicator, butterfly and other types. Two S.P.D.T. contacts are provided which will operate when the valve position is altered from an open state.

PCVS

The unit mounts in a 1/2" NPT tapped hole in the post indicator or butterfly valve housing. The device is engaged by the indicating assembly of the post indicator or the operating mechanism of the butterfly valve, actuating switches when the valve is fully open. The unit should be installed where it is accessible for service.

Slide on Installation / Adjustable Trip Rod

This device is mounted by screwing the pipe nipple into place then sliding the unit onto the nipple and locking it in place with set screws. This trip rod is adjustable to accomodate variable applications. A hex key is furnished with each device for these adjustments.

Two Conduit Entrances

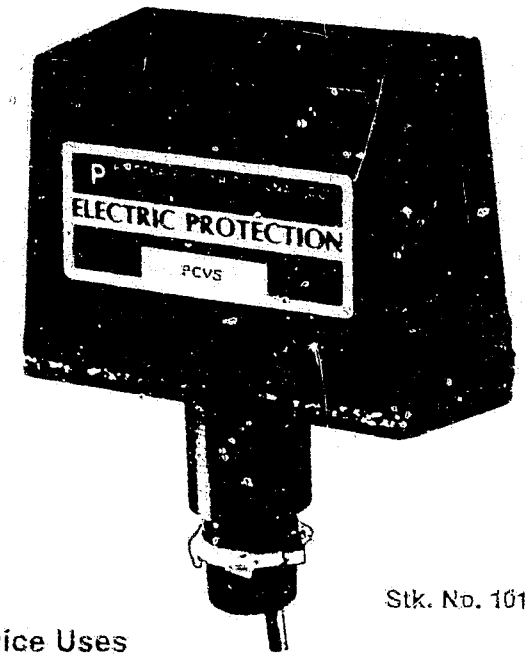
Two conduit entrances are provided for ease of installation.

Tamper Resistant Cover Screws

The cover is held in place by two tamper resistant screws that require a special tool to remove. The tool is furnished with each device and should be left with the building owner or responsible party. Replacement or additional cover screws and hex keys are available. See ordering information on page 6.

Note

REPLACING THE TAMPER-RESISTANT COVER SCREWS WITH A DIFFERENT TYPE SCREW WILL VOID UNDERWRITERS LABORATORY LISTING AND F.M. APPROVAL.



Stk. No. 1010205

Service Uses

Central Station	NFPA-71	Remote Station	NFPA-72C
Local	NFPA-72A	Proprietary	NFPA-72D
Auxiliary	NFPA-72B		

Testing

THE PCVS AND ITS ASSOCIATED PROTECTIVE MONITORING SYSTEM SHOULD BE TESTED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS.

THE MANUFACTURER RECOMMENDS MONTHLY OR MORE FREQUENT TESTING.

Characteristics

U.L. Listed & F.M. Approved

Dimensions: 4.75"L x 2.25"W x 7.20"H (Stem Extended)
12.0cm L x 5.7cm W x 18.3cm H

Weight: 2 lb. / .9 kg.

Enclosure: Cover — Die-Cast Aluminum
Red Spatter Enamel Finish
Base — Formed Steel
Corrosion Resistant Finish

Cover Tamper: Tamper Resistant Screws

Mounting: 1/2" NPT

Contact Rating: Two Sets of S.P.D.T. (Form C)
5.00 A. @ 125/250V. AC
0.25 A. @ 125/250V. DC
2.50 A. @ 0-30V. DC

Environmental Limitations: –40 F / +140 F
Indoor or Outdoor Use

Features: Adjustable Trip Rod & Dual Conduit Entrances

LISTING SERVICE

Listing Expires
June 30, 1996

LISTING No: 7161-0972:100

CATEGORY: Power Limited Cable

LISTEE: Atlas Wire & Cable, 133 S. Van Norman Rd., Montebello CA 90640
Contact: Ed Seiffert (213) 685-9870

DESIGN: Model FPL. Refer to listee's data sheet for detailed product description and operational considerations. FPLP / FPLR

INSTALLATION: In accordance with listee's printed installation instructions and applicable codes and ordinances.

MARKING: UL label.

APPROVAL: Listed as power-limited cable.

NOTE: Formerly 7160-0972:100

This listing is based upon technical data submitted by the applicant. CSFM staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

ISSUED: APRIL 24, 1995
Effective issue date to expiration date

AUTHORIZED BY: Ellen M Shelton

ELLEN M. SHELTON
Deputy State Fire Marshal

Power-Limited Fire Protective Circuit Signaling Cable

Underwriters Laboratories Inc.®
Listed Type FPL

Manufactured in Accordance with UL Subject 1424 and The N.E.C. 1996, Article 760 Sections 760-51 (f) & 760-53 (c)

ATLAS UL File # E 95962

Catalog Number	Number of Cond's	Nominal O.D.	Weight Lbs / MFt	Standard Stock Colors
#18 AWG Solid Cabled and Jacketed				
202-18-1-2J	2	.160	17	Black, Red
202-18-1-4J	4	.185	30	Black, Red, White
202-18-1-6J	6	.209	43	Red, White
202-18-1-8J	8	.235	55	Red
202-18-1-10J	10	.258	68	Red
202-18-1-12J	12	.279	80	Red
202-18-1-16J	16	.316	105	Red
#16 AWG Solid Cabled and Jacketed				
202-16-1-2J	2	.182	24	Red
202-16-1-4J	4	.212	43	Red
#14 AWG Solid Cabled and Jacketed				
202-14-1-2J	2	.208	35	Red
202-14-1-4J	4	.350	75	Red
#12 AWG Solid Cabled and Jacketed				
202-12-1-2J	2	.320	57	Red

Color Code see Table V



State of California
State Fire Marshal
Approval Number
7160-972-100

FIRE ALARM SYSTEM CERTIFICATION

NFPA 71 ✓
NFPA 72 _____

INSTALLED, INSPECTED, MAINTAINED AND MONITORED BY

SOUTHERN CALIFORNIA ALARM SERVICE, INC.

10783 EDISON COURT, RANCHO CUCAMONGA, CA 91730

(714) 941-2901

C-7 527999
UL #SA630

PROTECTED PROPERTY Ameran
ADDRESS 12455 Arrow Route
CITY / STATE / ZIP Etiwanda, CA
PHONE / RP _____

1. CERTIFICATION OF SYSTEM INSTALLATION.
   a) Inspected by _____ on _____ and found to comply with A.H.J.
   b) Circle one: NFPA 71 NFPA 72
2. CERTIFICATION OF SYSTEM OPERATION:
   a) All operational features and functions of the system were tested by _____ on _____ and found to be operating properly.
3. ALARM INITIATING DEVICES AND CIRCUITS:
   a) Manual Stations _____ MDL _____ Zones Covered _____
   b) Smoke Detectors _____ MDL _____ Zones Covered _____
   c) Heat Detectors _____ MDL _____ Zones Covered _____
   d) Waterflow Switches ONE MDL POTTER VSR-F Zones Covered Three
   e) Tamper Switches ONE MDL POTTER PCVS Zones Covered TWO
   f) Other: List _____
4. ALARM INDICATING DEVICES AND CIRCUITS:
   a) Bells _____ MDL _____ Indicating Circuit _____
   b) Horns _____ MDL _____ Indicating Circuit _____
   c) Strobes _____ MDL _____ Indicating Circuit _____
   d) Other: List _____
5. A CONTRACT DATED _____ FOR TEST AND INSPECTION IN ACCORDANCE WITH NFPA STANDARDS 1989 and 1990.
6. a) Means of transmission of signals from the protected premises to the central station is by "digital alarm communicator".
   b) Means of retransmission of alarms to the public fire service communications center is "switched public telephone network".
7. COMMENT / DEVIATIONS FROM NFPA _____
8. AS BUILT DRAWINGS, OWNER'S MANUALS AND TEST REPORTS ARE LOCATED AND MAINTAINED AT OUR CUCAMONGA, CA OFFICE. REQUIRED INSPECTIONS WILL BE PERFORMED BY SOUTHERN CALIFORNIA ALARM SERVICE, INC. AT THE SUBSCRIBERS (PROTECTED PROPERTY OWNER'S) EXPENSE.

SCAS _____ Title _____ Date _____

A.H.J. _____ Title _____ Date _____

SOUTHERN CALIFORNIA ALARM SERVICE, INC.
10788 EDISON COURT, P. O. BOX 1826
RANCHO CUCAMONGA, CA 91730

UL S4776/UUJS - UL S4630/UUFX
STATE LIC ACO 929
CONTRACTOR LIC C-7/C-10 #527999
1-800-84-CRIME
TEL (909) 941-2801
FAX (909) 941-2820

SERVICE AGREEMENT

This Agreement, made this 31st of July, 1995, by an between SOUTHERN CALIFORNIA ALARM SERVICE, INC., hereafter referred to as "Company", and AMERON referred to as "Purchaser" witnesseth:

1. GENERAL

SOUTHERN CALIFORNIA ALARM SERVICE, INC, agrees to provide services as described herein on the property located at 12455 Arrow Route in accordance with the Standard Conditions for Services set forth on the following pages.

2. PRICING

Purchaser agrees to pay the Company the sum of $ 591.00 * per year (payable semi-annually $ 295.50 * in advance) during the term of this agreement. * Plus Tax.

3. TERM OF AGREEMENT

The agreement shall run for a period of one (1) year from the date hereof, and may be terminated by the parties hereunto at any time upon mutual consent. Upon the termination of the one year period specified, this agreement shall continue in effect from year to year unless terminated, by wirtten notice by either party given to the other, no less than thirty (30) days prior to the anniversary date of this agreement.

4. SERVICES PROVIDED

(a) SOUTHERN CALIFORNIA ALARM SERVICE, INC., will provide on-call response as per Rancho Cucamonga Fire Department requirements for Fire Alarm Systems.

(b) See Page (4), Exhibit A for equipment covered under this Agreement.

5. IN WITNESS WHEREOF, the parties have executed this Agreement the day and year listed below:

DATE	SOUTHERN CALIFORNIA ALARM SERVICE, INC.
7-31-95	Tony Lane
8-2-95	PURCHASER

STANDARD CONDITIONS FOR SERVICE

Sale of any services or related material covered by this Agreement is conditioned upon the terms and conditions herein. Any additional or different terms and conditions proposed by the Purchaser are objected to and will not be binding upon Southern California Alarm Services, Inc. hereafter referred to as SCAS, unless specifically assented to in writing by SCAS's authorized representative. Any order for or any statement of intent to purchase hereunder or any direction to proceed with the work shall constitute assent to SCAS's terms and conditions.

1. RESPONSIBILITIES OF SCAS: For the charges listed, during the terms of this Agreement, SCAS shall furnish maintenance or other services or parts as follows:

A. Preventative maintenance as determined to be necessary by SCAS. As set forth on Page 1, the schedule will be either SCAS's standard schedule based on its evaluation of the specific requirements of the Equipment or a specific number of visits per year. SCAS shall determine the amount of time required to perform preventative maintenance.

B. On-call remedial maintenance services for Equipment failure during the Period of Maintenance specified on Page 1.

(aa) SCAS agrees to provide emergency service, upon receipt of notice from the Purchaser of the necessity of said service, as soon as it is reasonably practicable to do so. SCAS will make every reasonable effort to immediately attend to the emergency needs of the Purchaser, but it can make no guaranty in connection with the time period that may be necessary to properly service the system and order and/or repair malfunctioning components.

(bb) In the event an Equipment malfunction has not been remedied by the end of the Period of Maintenance, allowable remedial service will be resumed at the outset of the next Period of Maintenance unless Purchaser requests that service be continued without interruption and SCAS agrees. In the latter event, Purchaser will pay SCAS's then current prices for services and materials purchased outside the Period of Maintenance. In addition, Purchaser may request that remedial maintenance be initiated outside the Period of Maintenance and, subject to the availability of personnel, SCAS may respond at its option and at its current rates for such services (including travel time and material utilized).

C. Provide Purchaser with a designated point of contact and make arrangements for the service representative to receive notification of malfunction from the Purchaser.

D. Provide necessary test equipment required to perform maintenance services under this Agreement.

E. In its performance hereunder, SCAS will use parts which are new or equivalent to new in condition. Replacement parts exchanged during the Period of Maintenance will be furnished without extra charge; otherwise, Purchaser will pay SCAS's established prices for such parts. All parts and assemblies replaced by SCAS at anytime will become the property of SCAS.

2. ENGINEERING CHANGES: Mandatory, non-warranty engineering changes issued without charge by a manufacturer of equipment shall be made by SCAS with prior notice to Purchaser. The adoption of any other engineering changes issued by an equipment manufacturer will be the subject of mutual agreement between SCAS and Purchaser. Engineering changes will be scheduled and installed at a mutually agreeable time during the Period of Maintenance. Where, in the opinion of SCAS, such installation requires services of material in excess of those for a normal preventative maintenance call, such excess shall be paid for by the Purchaser at SCAS's then current prices.

3. RESPONSIBILITIES OF PURCHASER: Purchaser shall have the following responsibilities under this Agreement:

A. Promptly notify SCAS of any trouble or malfunction which comes to Purchaser's attention.

B. Purchaser will pay scheduled mileage charge per mile for all emergency service calls.

C. Provide working space, including adequate heat, light, ventilation, electric current, and electrical outlets for the use of SCAS maintenance personnel.

D. Allow SCAS full and free access to the Equipment for purposes of this Agreement. SCAS shall also have access to and use of any machines, attachments or features of the Equipment necessary to provide the specified maintenance services at no charge to SCAS.

E. Purchaser represents that it has the authority to enter into this Agreement.

F. Purchaser shall not authorize or cause maintenance repairs or modifications to be made or attempted to the Equipment during the term of the Agreement, except as specified and approved by SCAS.

G. Purchaser will pay SCAS at its then current prices and under its applicable conditions of sale for any services or materials furnished which fall within the article entitled "Exclusions".

H. Provide SCAS with designated Purchaser employee or employees as maintenance contacts.

I. Maintain site environmental conditions throughout the period of this Agreement in accordance with the specifications established by the Equipment manufacturer.

J. Purchaser agrees to make all payments due under this Agreement without setoff of any kind and will not permit grounds to exist for insecurity to SCAS as to Purchaser's performance.

4. EQUIPMENT CONDITION: Prior to the Commencement Date of maintenance under this Agreement, the Equipment shall be subject to inspection by SCAS to determine if it is in acceptable condition for maintenance under this Agreement. Any repairs, adjustments, or parts then deemed necessary by SCAS to bring the Equipment up to an acceptable condition shall be made prior to the commencement of maintenance service, and shall be the responsibility of the Purchaser. Any such repairs, adjustments or parts furnished by SCAS will be provided under the provisions of this Agreement at its then current prices.

If, in the opinion of SCAS personnel, normal maintenance routines cannot keep any Equipment in satisfactory operating condition or the Equipment cannot be properly or economically repaired on site due to excessive wear or deterioration or obsolescence, SCAS reserves the right to exclude those items from the terms of this Agreement. In such event, Purchaser will receive an appropriate reduction in the monthly charges to adjust for the Equipment so excluded. For excluded Equipment, any further services or materials provided by SCAS will be furnished under its applicable conditions of sale and at then current prices.

5. EXCLUSIONS: Unless SCAS specifically agrees otherwise in writing, SCAS's performance under this Agreement does not include:

A. Installation of Equipment or services or parts required to install, maintain or remove accessories, attachments, machines, other devices not itemized on "List of Equipment".

B. Services required to diagnose problems which are not Equipment hardware problems.

C. Services, repairs or parts required to repair damage to the Equipment caused by or resulting from acts of God, fire, water, weather, earthquake, explosions, smoke, aircraft, motor vehicle, collapse of building, strike, riot or vandalism, failure of electrical power, power surges, air conditioning or humidity control, hardware design problems, equipment incompatibility problems, improper input/output signals to Equipment connections, software, operator error, neglect or misuse by an entity other than SCAS, or any cause than ordinary use.

D. Electrical work external to the Equipment, painting or refinishing equipment, making specification changes, or performing services in connection to the relocation of equipment.

6. SALES AND SIMILAR TAXES: SCAS's prices do not include sales, use, excise, value-added or similar taxes. Consequently, in addition to the price specified herein, Purchaser shall pay, or reimburse SCAS for, the gross amount of any present or future sales, use, excise, value-added or other similar tax applicable to the price, sale or furnishing of any services or products hereunder, or to their use by SCAS or Purchaser, or in lieu thereof Purchaser shall provide SCAS with tax exemption evidence acceptable to the taxing authorities.

7. FINANCIAL CONDITION: If the financial condition of Purchaser at any time does not, in the judgement of SCAS, justify continuance of the work to be performed hereunder on the terms of payment agreed upon, SCAS may require full or partial payment in advance or shall be entitled to cancel the Agreement and shall receive reimbursement for its reasonable and proper cancellation charges. The foregoing is in addition to such other rights as SCAS may have in law or equity, or in any bankruptcy-type proceeding.

8. WARRANTY: SCAS warrants to Purchaser that the service will be performed in a competent manner and material furnished under this Agreement will be free of defects in material or workmanship. If any failure to meet the foregoing warranty appears within the term of this Agreement, if notified in writing thereof, SCAS will correctly reperform the services identified or replace the defective material provided.

8. THE FOREGOING PARAGRAPH sets forth the exclusive remedy of Purchaser and the sole liability of SCAS and is exclusive and in lieu of all other warranties whether written, oral, implied or statutory (except as to title of SCAS furnished material or replacement parts.) The foregoing warranty does not affect any express warranty in a seperate Agreement which may apply to the equipment on which the work was performed. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR PURPOSE SHALL APPLY.

Title and risk of loss to any equipment repaired or replaced shall remain with Purchaser regardless of where the corrective work takes place.

10. DELAY IN PERFORMANCE: SCAS shall not be liable for any delay in performance due to (1) Causes beyond its reasonable control, (2) Acts of God, acts of Purchaser, acts of civil or military authority, priorities, fires, strikes or other labor disturbances, floods, epidemics, war, riot, delays in transportation or car shortages, or (3) inability to obtain or delay in obtaining , due to causes beyond its reasonable control, suitable labor, material, or facilities required for this Agreement. In the event of any such delay, the time of performance shall be extended for a period equal to the time lost by reason of the delay.

In the event SCAS's performance is delayed by late delivery of Equipment, parts, or supplies covered by any other Agreement, or is delayed by prerequisite work by others, SCAS shall be entitled to price adjustment for costs resulting therefrom, in addition to extension of the time of performance.

11. CHANGES AND ATTACHMENTS: Any changes or relocation in the equipment or attachment made by Purchaser may result in adjustment of the monthly charges to reflect the added costs incurred because of the changes, relocation or attachments. If, at any time, any such changes, relocation or attachments create a safety hazard or interference with the normal and satisfactory operation or maintenance of the Equipment, SCAS may, upon written notice to Purchaser, require that such safety hazard or interference be promptly corrected at Purchaser's expense. SCAS continued maintenance of the Equipment which has been changed, relocated or to which attachments have been made does not constitute an approval of the changes, relocation or attachment or a waiver of any rights it may otherwise have.

12. BILLING:

A. For the services enumerated herein, SCAS may unilaterally change the Agreement charge at any time after the initial 12 months of the initial term. SCAS agrees to give Purchaser at least 30 days advance written notice specifying the new Agreement charges and their effective date.

B. As required, other bills will be rendered for services performed ,pursuant to paragraph 3B and 3G above.

C. Purchaser agrees to pay any and all bills within ten (10) days after presentation of same. A Service Charge will be billed for any overdue amount, per SCAS's Customer Service Procedures.

D. The parties agree that due to the nature of the services to be provided by SCAS, the payments to be made by the Purchaser for the term of this Agreement form an integral part of SCAS's anticipated profits; that in the event of the Purchasers default it would be impossible to fix SCAS's actual damages. Therefore, in the event the Purchaser defaults in the payment of any aforementioned charges to be paid to SCAS, the entire balance of all payments for the entire term herein shall immediately become due and payable, and the Purchaser shall be liable therefore.

13. LIMITS OF LIABILITY:

A. SCAS does not represent or warrant: that the maintenance service will prevent any loss or injury by burglary, fire, hold-up, assault or otherwise, or that the maintenance-service will in all cases provide the protection for which it is intended. Purchaser acknowledges and agrees: that SCAS has made no representations or warranties, express or implied as to any matter whatsoever, including without limitation the condition of the monitoring equipment, its merchantability or its fitness for any particular purpose; nor has Purchaser relied on any representations or warranties, express or implied. Purchaser further acknowledges and agrees that any affirmation, fact or promise shall not be deemed to create an express warranty and that there are no warranties which extend beyond the face of the Agreement hereof. Purchaser further acknowledges and agrees that SCAS is not an insurer; and that Purchaser assumes all risk of loss or damage to Purchaser's premise or to the contents thereof, as well as risk of injury and risk to physical well-being of persons therein.

B. Purchaser acknowledges and agrees that it is impractical and extremely difficult to fix the actual damages, if any, which may proximately result from a failure of SCAS to perform any of the obligations herein, including, but not limited to, installation, service, programming, maintenance of SCAS's equipment, or the failure of SCAS's equipment to properly operate or other failure of the maintenance service, with a resulting property damage or loss, personal injury, or medical condition because of, among other things:

a. The uncertain amount of value of Purchaser's property or the property of others kept on the premises which may be lost, stolen, destroyed, damaged or otherwise effected by occurrences which the system or service is designed to detect or divert;

b. The uncertainty of the response time of the police, fire department, ambulance service or other emergency agency or person, should the police, fire department, ambulance service or other emergency agency or person be dispatched as a result of a signal being received.

c. The inability to ascertain what portion, if any, of any loss would be proximately caused by SCAS's failure to perform or by its equipment to operate;

d. The nature of service to be performed by SCAS.

C. Purchaser understands and agrees that if SCAS should be found liable (whether under a theory of warranty, contract, negligence, product liability, or otherwise) for loss of damage due to a failure of the installation, monitoring, maintenance service, or the Equipment in any respect whatsoever, SCAS's liability shall be an amount equal to one (1) year's service agreement fee or two hundred fifty dollars ($250.00) whichever is less, as liquidated damages, and not as penalty and this liability shall be exclusive; that the provisions of this section shall apply if loss or damage, irrespective of cause or origin, results directly or indirectly to persons or property, from performance or non-performance of the obligations imposed by this Agreement or from negligence, active or otherwise, of SCAS, its agents, assigns or employees.

D. If Purchaser wishes SCAS to assume a limited liability in lieu of the liquidated damages as hereinabove set forth, Purchaser may obtain from SCAS a limitation of liability by paying an additional monthly service charge to SCAS. If Purchaser elects to exercise this option, a rider shall be attached to this Agreement setting forth the terms, conditions and the amount of the limited liability, and the additional monthly charge. Such rider and additional obligation shall in no way be interpreted to hold SCAS as an insurer.

E. Purchaser agrees to, and shall indemnify and save harmless SCAS, its employees and agents from and against all third party claims, lawsuits, and losses alleged to be caused by SCAS's non-performance or negligence (whether passive or active) in the performance of the service obligations set forth in this Agreement.

F. In no event shall SCAS be liable for any loss or damage whatsoever arising from its failure to discover or repair latent defects or defects inherent in the design of the equipment or the system configuration.

14. FALSE ALARMS, LICENSES AND PERMITS

SCAS shall not be responsible for any fees, charges, or assessments imposed by any government authority or other persons in connection with false alarms from any equipment located at Purchasers's premises. Purchaser and SCAS shall each be responsible for obtaining licenses and permits needed to carry out their own obligations under this Agreement.

15. INVALID PROVISIONS:

If any of the terms or provisionsof this Agreement shall be determined by a court of competent jurisdiction to be invalid or inoperative, all of the remaining terms and provisions shall remain in full force and effect.

16. ATTORNEY'S/COLLECTION FEE:

In the event it shall become necessary for SCAS to institute Legal and/or Collection/Agency proceedings to collect sums due under this Agreement, then and in that event, Purchaser shall pay to SCAS an additional amount equal to at least one third of the original amount due (minimum $100.00 additional) for reasonable attorney's/collection agency fees.

17. ANY OTHER PURCHASE AGREEMENT:

Purchaser hereby warrants that the negotiation, execution, and implementation of this Agreement will not breach any other Purchaser agreement with any other person or firm currently performing any maintenance services for and on behalf of Purchaser, and Purchaser agrees to defend, indemnify, and hold SCAS harmless from and against any pecuniary loss resulting from claims and lawsuits by any other person presently performing any maintenance services for Purchaser alledging breach of Agreement or interference with Agreement.

18. GENERAL:

SCAS shall not be responsible for the acts or workmanship of the employees, contractors, subcontractors or agents of Purchaser or any user of the itemized equipment.

SCAS reserves the right to subcontract any of the work to one or more subcontractors.

The delegation of assignment by Purchaser of any or all of its duties or rights hereunder without SCAS's prior written consent shall be void.

Any information, suggestions or ideas transmitted by Purchaser to SCAS in connection with performance hereunder are not to be regarded as secret or submitted in confidence except as may be otherwise provided in a writing signed by a duly authorized representative of SCAS.

19. ENTIRE INTEGRATED AGREEMENT; MODIFICATIONS; ALTERATIONS; WAIVER; ASSIGNMENT:

A. This writing is intended by the parties as a final expression of their Agreement and as a complete and exclusive statement of the terms thereof. This Agreement supercedes all prior representations, understanding or agreements of the parties, and there are no prior writings, verbal negotiations, understandings, representations or agreements not expressed in this Agreement, and the parties rely only upon the contents of this Agreement in execution of it, and have not relied on any other representations, oral or otherwise, made by the parties, their agents or employees. This Agreement can only be modified by a writing agreed to and signed by SCAS. No waiver of a breach of any term or condition of this Agreement shall be construed to be a waiver of any succeeding breach.

B. This Agreement shall bind and inure to the benefit and obligation of the parties and all parties who lawfully succeed to the rights or take the place of either parties, such as heirs, assignees or successors. This Agreement shall be interpreted according to the laws of the state of California.

C. SCAS may assign this Agreement to any other person, firm or corporation without notice to or approval by Purchaser, and may subcontract any services which it may perform under any such Agreements. This Agreement may not be assigned by Purchaser except upon the prior written consent of SCAS. Purchaser may not assign any rights or obligations under this Agreement either voluntarily or by operation of law without having first obtained the written consent of SCAS.

EXHIBIT A

LIST OF EQUIPMENT PROVIDED HEREUNDER

NO.	QTY	DESCRIPTION	NO.	QTY	DESCRIPTION
1.	1	Flow Switch VSN-F	16.		
2.	1	Tamper Switch BCVS	17.		
3.	1	Fire Guard Smoke 5104	18.		
4.			19.		
5.			20.		
6.			21.		
7.			22.		
8.			23.		
9.			24.		
10.			25.		
11.			26.		
12.			27.		
13.			28.		
14.			28.		
15.			29.		

20. RECEIPT OF COPY:

Purchaser acknowledges receipt of a copy of this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement on this 31 Day of July, 1985

SOUTHERN CALIFORNIA ALARM SERVICE, INC.

PURCHASER

BUILDING AND SAFETY DIVISION

City of rancho cucamonga

10500 Civic Center Drive, Rancho Cucamonga, CA 91730 • Tel. (909) 477-2710

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY RANCHO CUCAMONGA		
Lot No.	Block	Tract	
Owner	TAMCO STEEL		
Mailing Address	SAME AS ABOVE		
City	RANCHO CUCAMONGA	Zip 91739	Tel. (909) 899-0831
Contractor	ENCON ENGINEERING		
Address	9010 WATSON PLAZA Dr. Suite 225		
City	LAKEWOOD	Zip 90712	Tel. (562) 982-0177
State Lic. & Classif.		City Lic. No.	OK

ELECTRICAL SYSTEMS

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size .....)	
2	Outlets (Receptacles, Switches, Lighting Outlets) CIRCUITS - LOW VOLTAGE	1 80
	Fixtures	
	Motors (HP each .....)	
	Other (Specify) PICK UP EXISTING CONDUIT W. FC SAME	
	Sq.Ft. Area New Res. Bldg. FOR UG = THANKS INSTALL NEW TEAR ALERT	
	Sq.Ft. Area New Res. Acc. Bldg. ..... @	
Plan Chk. Fee	Issuance Fee	15 00
	TOTAL ELECTRICAL FEES	16 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. Over 3 HP to 15 HP	
	Fir./Wall/ Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over10,000 cfm	
	Vent Fan Includ. Duct		Other:	
Plan Chk. Fee		Issuance Fee		
		TOTAL MECHANICAL FEES		

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas Systems (No. Outlets ____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto Washers		Other	
Plan Chk. Fee		Issuance Fee		
		TOTAL PLUMBING FEES		

TOTAL ELEC., MECH., PLMBG. FEES			16 50
Processed By		Spec. Cond.	
Permit No. 98-6932		Validation	Date 12-10-98

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A Lic. No. 748576

Date 12-10-98 Contractor ENCON Engineering Inc

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason *(Sec. 7031.5, Business and Professions Code: Any City or County which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)*

○ I, as owner of the property; or my employees with wages as their sole compensation, will do the work, and the structure is not intended for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)*.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)*.

○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

○ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund Policy Number 1443796-98

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

○ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR ON SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued *(Sec 3097, Civ. C.)*.

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 12-10-98

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REF			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			CCWD APPROVAL REC'D _____ DATE
	ROUGH WIRING			ENGR. FILE NO. _____
	NEW SERVICE			I.W. LOG NO. _____
	FIXTURES			C.C.W.D. INSPECTION REQUIRED YES _____
	FINAL ELEC. INSP.			NO _____
	TEMP. POWER POLE	3-8-99	RL	INSPECTION NOTES
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.	3/8/99		
MECHANICAL	U.G. DUCTS/REFRIG LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water Gas, Supports			
	RO. PLMBG. Water, Gas, Vents Supports, Flashings			
	GAS TEST			SEWER / PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves Services			
	WATER HTR. Vent, Valves Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	BACKWATER VALVE			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, CLearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address	12457 ARROW ROUTE
Lot No. / Block / Tract	
Owner	AMERON
Mailing Address	PO BOX 8
City	FTWANDA Zip 91739 Tel 879 1723
Contractor	KENT ELECTRIC CO
Address	11631 INDUSTRY AVE
City	FONTANA Zip 92335 Tel 881 2910
State Lic. & Classif.	C10 305570 City Lic. No 012985

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 3/9/88

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 225 Amp 460 V)	25 00
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. 30, 7.5, 5, 3, 2, 2, 1/2)	42 00
	Other (Specify 3 KVA TRANS)	5 00
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	79 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 79 00

Processed By MAtee | Spec. Cond.

Permit No. 88-2582 | Validation CP | Date 3-9-88

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION RECO			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.	5-9-08	C Bailey	
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM. POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY, ETIWANDA, CA		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIVISION		
Mailing Address	P.O. Box 8		
City	ETIWANDA	Zip 91739	Tel. (714) 899-1723
Contractor	OWNER - BUILDER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☑ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date 04-08-88 Owner Frank E. Lauck

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☑ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Frank E. Lauck Date 04-08-88

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other Oreo	3.50
	Plan Chk. Fee _____		Issuance Fee	7.00
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 10.50

Processed By _____ Spec. Cond. _____

Permit No. 88-4252 Validation _____ Date 4-8-88

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION RECO			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings	5-13-88	RR	
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services	5-13-88	RR	
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

Building Address	12459 ARROW HWY., ETIWANDA, CA	No. Stories	Type Const.	Occ. Group M-1
Lot No. / Block / Tract		Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
Owner	AMERON STEEL & WIRE DIVISION	No. Bedrooms	Lot Size	APN
Mailing Address	P.O. BOX 8 12459 ARROW HWY.	Approved Plan. Div. BN 2126	Approved Eng. Div.	Approved Fire Dist.
City / Zip / Tel.	ETIWANDA 91739 (714) 899-1723	Special Conditions:		
Contractor	OWNER - BUILDER			
Address				
City / Zip / Tel.		VALUATION: $ 11,000		
State Lic. & Classif. / City Lic. No.		PLAN CHECK		64 88
Arch., Engr., Designer	T SUNG & YING CHU GEORGE C. HOPKINS CONSTR. CO.	PERMIT		86 50
Address / Tel.	1500 GARDENA AVE. (213) 245-1136	F DRAINAGE		
City / Zip / State Lic. No.	GLENDALE 91204 C-32382	E SYSTEMS		
Proposed Construction	(1) Storage Tank Foundation & (1) Equipment Pad	S BEAUTIF		
		PARK		
		OTHER		
Sq. Ft. Size	250 + 350	No. Stories 1	No. Dw. Units	Processed By	School Fee Pmt. Verified	TOTAL 151 38
New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐				Permit No. 88-2124	Validation R2	Date 2-26-88

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 2/24/88 Owner [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read the application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 2/26/88

Signature of Applicant [signature]

Mailing Address Ameron Steel & Wire P.O. Box 8

City, State, Zip Etiwanda CA 91739

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	3-3-88 #2 3-18-88	RL
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg. Foundation Walls #2	3-22-88	RL
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Fl./Engr. Clear.	5-13-88	RL
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

THE CITY OF RANCHO CUCAMONGA

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

ELECTRICAL PERMIT

SITE ADDRESS : **12459 ARROW**
STATUS : **ISS**
PROJECT DESCRIPTION : **ELECTRICAL FOR CONDUIT ONLY**

PERMIT NO. : **ELE2000-08402**
APPLIED : **12/26/2000**
ISSUED : **12/26/2000**

Owner
CMC STEEL FABRICATORS INC
P O BOX 1046
DALLAS TX, 75221

Telephone :

Contractor
KENT ELECTRIC
11631 INDUSTRY
FONTANA, CA 92337

Telephone : 909-681-2910

License # : CON 305570(B,C-10)

Fees

Type	By	T.C.	Amount
Issuance Fee	1079	KAP	$15.00
Permit Fee	1079	KAP	$121.00
	Total:		**$136.00**

Electrical Fixtures

Fixture Type	Quantity
Miscellanous Apparatus, Conduits, and Conducto	12.00

FINALED
12/30/02

Notes:

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes. Kent Electric Co.

Signature of Applicant or Agent: X [signature] Date 12-26-00

This is a building permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

12/26/2000 5:14PM

DEPARTMENT COPY

LICENSED CONTRACTORS DECLARATION

I hereby affirm **under penalty of perjury** that I am licensed under provisions of Chapter 9 *(commencing with Section 7000)* of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B C10 License No. 305570

Date 12-26-00 Contractor KENT

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number is:

Carrier ACE FIRE Underwriters Ins Co

Policy No. NWC - 001058 - 00

(This section need not be completed if the permit is for one hundred dollars ($100.) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 12-26-00 Applicant: KENT ELECTRIC CO, DAVID L. RODRICKS

OWNER-BUILDER DECLARATION

☐ I hereby affirm **under penalty of perjury** that I am exempt from the Contractors License Law for the following reason *(Sec.7031.5, Business and Professions Code; Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.).:*

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, or who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).*

☐ I, as owner of the property an exclusively contracting with licensed contractors to construct the project *(Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).*

☐ I am exempt under Sec. _____, B. & P.C. for this reason:

_____

Date _____ Owner _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal to or greater than the amounts specified on the list of extremely hazardous substances	YES	NO
Will the proposed building or modified facility be within 100 feet of the outer boundary of a school?	YES	NO
Will the intended use of the building by the applicant require a permit for construction or modification from the South Coast Air Quality Management District (SCAQMD)? SEE PERMITTING CHECKLIST FOR GUIDELINES	YES	NO

I have read the Hazardous Materials Information Guide and the SCAQMD permitting checklist. I understand my requirements under the California Health and Safety Code Sec. 6.95 and California Government Code sec.65850 and the requirements of the Rancho Cucamonga Fire Department regarding hazardous materials

Owner or Authorized Agent: _____

FNDNCONC

FLAG	ITEM NO.	QUANTITY THIS DWG.	DESCRIPTION	MATERIAL SPECIFICATION
	1	1	XXXX XXXX	XXXX
	2	1	XXXX XXXX	XXXX
	3	1	XXXX XXXX	XXXX
	4	1	XXXX XXXX	XXXX

36'-8 3/16"

(142'-2")

7-BAYS @ 20'-0" = 140'-0"

USE S.W. BLDG. CORNER AS BENCHMARK. COLUMN LINES TO BE PARALLEL WITH CONTROL BLDG. SOUTH WALL.

EL. 67'-6" EL. 68'-0" EL. 68'-0" EL. 67'-6" EL. 68'-0" EL. 67'-6" EL. 68'-0" EL. 67'-6"

1'-0" 5'-0" 1'-6" 3'-0" 6'-0" 3'-0" 1'-1" 2'-0" 9'-0" 6'-0" 2'-0" 1'-6" 3'-0" (3'-3 13/16") 1'-0" 6'-0" 2'-0" 13" 6" (6.187")

TOP OF CONCRETE ELEV. 68'-00"

TOP OF CONCRETE ELEV. 68'-00"

TOP OF CONCRETE ELEV. 68'-00"

8'-0"

20'-0" 20'-0" 20'-0" 20'-0" 20'-0" 20'-0" 20'-0"

(3) ø3/4" CONDUIT 7' LONG, 6" DP.

4'-6"

NEW 6" SLAB

EXTEND SLAB TO CURB

2'-0" 1'-6" 2-#4 x CONT. 6" NEW SLAB #6 VERT. @ 1'-0" C-C #4 @ 1'-6" O.C.E.W.

SEC. A-A

7'-5 1/2" 3'-2" 5'-11" 1'-0" 6'-0"

E

(2'-0") (1'-0") 6" #6 VERT. @ 1'-0" O.C. W/EPOXY

SEC. E-E

75'-7" 16'-0"

EXISTING SLAB

5'-6" (1'-1") C

10'-0"

11'-9" 16'-6" TO BE VERIFIED 11'-9"

C 5-#6 @ TOP & BOTTOM 2'-3" 12'-0" TO BE VERIFIED 2'-3" #5 @ 1'0" O.C.E.W.

TOP OF CONC. CURB EL. 68'-0"

1'-0" 3'-0" 6" 4'-6" 2'-6" 25" TYP. 12" TYP. 3'-0" C (9'-0" x 11'-0")

BOTTOM OF NEW 6" CONCRETE SLAB

SEC. B-B

1'-6" WIDE X 1'-0" HIGH TIE BEAM 1'-0" 1'-0" 1'-0" EMBED EPOXY-IN-PLACE BUNDLER FN'DN. 5-#6 TOP & BOTTOM 2-#6 TIES

SEC. C-C

#4 DOWEL @1'6" O.C. 10" (NEW SLAB) 1'-0" 1'-0" #4 @ 1'-6" O.C.E.W.

SEC. D-D

NEW 6" SLAB

(1) ø3/4 CONDUIT 13' LONG, 6" DP.

7'-6"

BUNDLER FOUNDATIONS

9'-0" NEW 6" SLAB 4'-6" 4'-6" 4'-6"

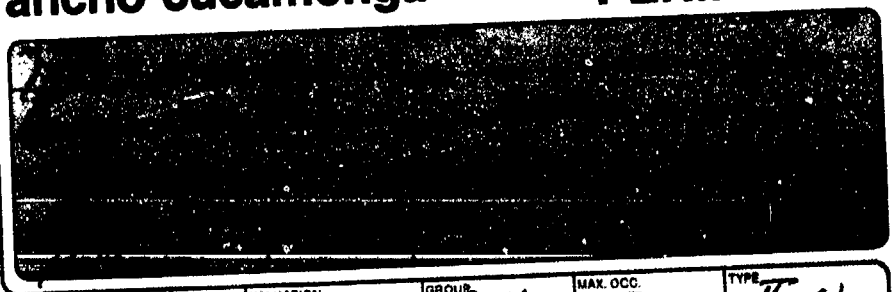
LDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- [x] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING

- [ ] NEW
- [ ] SFD
- [x] ADDN 2
- [x] APT.
- [ ] ALTER
- [ ] DUPLEX
- [ ] REPAIR
- [ ] COMM.



PERMIT NO.	FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
78-382	432 / 1320	15,000	B 4	—	II-N
	LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
	42 Ac ±	—	3	1	—
	ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	
	M-2	—	Dir. Rev	1976	—

PROPOSED WORK/REMARKS

Add Boiler Room Structure, Add bay to Straighten ℄ Cat Dept., Install 100 HP Boiler

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
Drywall nailing	4-5-19	JH.
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	J.H. 4-16-19	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW HWY

Owner: AMERON PIPE

Mailing Address: 12459 ARROW HWY

City: RC Zip: Tel: 889-1716

Contractor: WHITTAKER ELECT. Co.

Address: 383 S. J ST.

City: SAN BNDO Zip: 92410 Tel: 889-9895

State Lic. & Classif.: C10 164965 City Lic. No.: 014042

LICENSED CONTRACTOR'S DECLARATION

[X] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

[ ] I am exempt under Sec. _____, B. & P.C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

[X] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. CT 8134023 Company NOLST. INDEM.

[X] Copy is filed with the city. [ ] Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes. 4/29/81

Signature of Applicant: _____

Mailing Address: 383 So J

City, State, Zip: San Bndo Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size .....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify UNDER SLAB grounding sys. underground conduit wiring)	20 00
	Sq. Ft. Area New Residential Bldg. ..... @	
	Sq. Ft. Area New Res. Accessory Bldg. ..... @	
	Plan Chk. Fee ..... Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	27 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Others	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets .....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 27 00

Processed By: _____ Spec. Cond.: _____

Validation: _____ Date: 4/29/81

Permit No. 81-1351

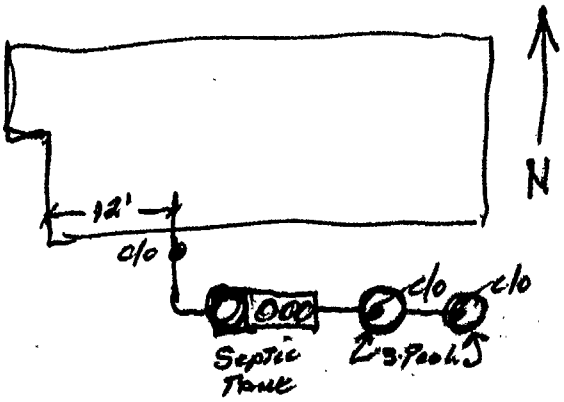
This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 180 days.

INSPECTOR COPY

INSPECTION RECORD		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM	6/5/81	[illegible]
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM



BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		No. Stories —	Type Const. TEN	Occ. Group M-1
Lot No.	Block	Tract	Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
Owner	AMERON STEEL & WIRE		No. Bedrooms	Lot Size Size	APN
Mailing Address	P.O. BOX 8		CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
City	ETIWANDA	Zip 91739 Tel 987-2521	Special Conditions:			
Contractor	OWNER					
Address						
City		Zip Tel.				
State Lic. & Classif.		City Lic. No.				
Arch., Engr., Designer		Tel.				
Address						
City		Zip State Lic. No.				
Proposed Construction	PREHEATER EQUIPMENT FOUNDATION					
Sq. Ft. Size	No. Stories	No. Dw. Units				

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

VALUATION: $ 17,500

FEES $		
PLAN CHECKING FEE	Pd. 82-1303	96.38
PERMIT FEE		128 50
DRAINAGE FEE		25 00
SYSTEMS FEE		175 00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		328 50

Processed By BH | School Fee Recpt. # | Validation | Date 6/29/82

Permit No. 82-1389

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____ B.&P.C. for this reason _____

Owner _____ Date 6/29/82

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declaration is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes. Date 6/29/82

Signature of Applicant _____

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6-30-82	Were
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.	7-14-82	Were
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landing, House Numbers, Weather Stripping, Pl./Eng. Clear.	7-14-82	Were
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGNS:		

INSPECTION NOTES

7-21-82 Epoxy Corner - Half of
7-27-82 Chargeing Tank end wall

BUILDING AND SAFETY DIVISION Duplicate

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Owner	Ameron Steel & Wire		
Mailing Address	P.O. Box 8		
City	Etiwanda	Zip 91739	Tel. 899-2551
Contractor	Kent Electric Co.		
Address	11631 Industry Ave.		
City	Fontana	Zip 92335	Tel. 681-2910
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

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Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
9	Motors (HP ea.....)	142 50
	Other (Specify.....)	4 00
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	153 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets.....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 153 50

Processed By	BA	Spec. Cond.	
Permit No.	82-1446	Validation	Date

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY
ELEC. TOOK ALL OF ORIGINAL PERMIT. 7/20/82 DL

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address: 12459 Arrow Hwy | Lot No. | Block | Tract

Owner: AMERON STEEL & WIRE

Mailing Address: P.O. Box 8

City: ETIWANDA | Zip: 91739 | Tel: 987-0854

Contractor: OWNER

Address

City | Zip | Tel.

State Lic. & Classif. | City Lic. No.

Arch., Engr., Designer

Address | Tel.

City | Zip | State Lic. No.

Proposed Construction: HOT WELL as per plans on File.

Sq. Ft. Size | No. Stories | No. Dw. Units

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories | Type Const. | Occ. Group

Occ. Load | No. Dw. Units | Use Permit Required [ ] | Des. Rev. Required [ ]

No. Bedrooms | Lot Size Size | APN

CCWD Appr. Required [ ] | H.D. Appr. Required [ ] | F.D. Appr. Required [ ] | D.A. Appr. Required [ ]

Special Conditions:

VALUATION: $ 10,000

FEES		
PLAN CHECKING FEE	BR-0208 PS 2-24-82	60 38
PERMIT FEE		80 50
DRAINAGE FEE		25 00
SYSTEMS FEE	@ 1% Value	100 00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		205 50

Processed By: RH | School Fee Recpt. # | Validation | Date: 3-10-82

Permit No. 82-0397

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[X] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____, B. & P. C. for this reason _____

Date 3-10-82 Owner X

WORKERS' COMPENSATION DECLARATION

[X] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) or less.

[X] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing information declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 3/10/82

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	3/11/82	Mich.
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.	3/30/82	Mich
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr., Clear.	9-14-82	Mich

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

OK Wall Pour 3/31/82 Mich

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HWY				
Lot No.	Block	Tract	No. Stories	Type Const.	Occ. Group
Owner	KAISER STEEL & WIRE DIV		Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Mailing Address	PO BOX 8		No. Bedrooms	Lot Size Area	APN
City	ETIWANDA	Zip 91739	CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐ / D.A. Appr. Required ☐
Tel.	987-2521		Special Conditions:		
Contractor	OWNER				
Address					
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer					
Address		Tel.			
City	Zip	State Lic. No.			
Proposed Construction	TWO 8'X12' ELECTRICAL CONTROL BLDG				
Sq. Ft. Size	96' EACH	No. Stories 1	No. Dw. Units		

VALUATION: $ 3,000 EACH = $ 6,000

FEES			
	PLAN CHECKING FEE 82-1100	42	38
	PERMIT FEE	56	50
	DRAINAGE FEE	25	00
	SYSTEMS FEE	60	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	141 50
Permit No.	821155	Validation	Date 6/2/82

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

☒ (This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the information indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	7-14-82	Ware
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Piers, Cont. Tr. Lmbr.	8-23-82	Ware
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engg. Clear.	9-14-82	Ware
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
[illegible]:		

INSPECTION NOTES:

7-24-82 Ware West bldg foundation ok

[illegible] east bldg foundation ok

roof bldg bldg east ok

8-15-82 Rebar ok Ware

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	PO Box 8		
City	ETIWANDA	Zip 91739	Tel 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer			
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	Cooling Tower Foundation		
Sq. Ft. Size		No. Stories	No. Dw. Units

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]

Special Conditions:

VALUATION: $ 12,500

FEES		
PLAN CHECKING FEE	PD 3-26-82	$ 73 88
PERMIT FEE		98 50
DRAINAGE FEE	BASED ON 0.02 Ac	50 00
SYSTEMS FEE		125 00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		273 50

Processed By [illegible] School Fee Recpt. #

Permit No. 82-0752 Validation [illegible] Date 4-16-82

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[ ] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

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[ ] I am exempt under Sec. _____ B. & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

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NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all City and County ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	4/21/82	[illegible]
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Valves, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engg. Clear.	9-14-82	[illegible]
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Slt., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

4/21/82
Slab & Footings OK
[illegible]

5/5/82
wall steel & Fences OK
[illegible]

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HWY				
Lot No.	Block	Tract			
Owner	AMERON STEEL & WIRE DIV				
Mailing Address	P.O. BOX 8				
City	ETIWANDA	Zip 91737	Tel. 987-2521		
Contractor	OWNER				
Address					
City		Zip	Tel.		
State Lic. & Classif.			City Lic. No.		
Arch., Engr., Designer	OWNER				
Address			Tel.		
City		Zip	State Lic. No.		
Proposed Construction	COIL COLLECTOR STATION PERSONNEL SHELTER				
Sq. Ft. Size	714	No. Stories 1	No. Dw. Units		
New ☒	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐	

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:			

VALUATION: $ 10,900 XX

FEES			
	PLAN CHECKING FEE	64	88
	PERMIT FEE	86	50
	DRAINAGE FEE based on 0.02 Ac	50	00
	SYSTEMS FEE	109	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	245 50
Permit No.	81-1994	Validation	Date 6/29/81

LICENSED CONTRACTOR'S DECLARATION

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○ I am exempt under Sec. _____ B.&P.C. for this reason _____

Date 6/29/81 Owner _____

WORKERS' COMPENSATION DECLARATION

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Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

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CONSTRUCTION LENDING AGENCY

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Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	8/10/81	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/14-82	Ware
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS, Radius Sft., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN-OFF:		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Final

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arroyo Hwy				
Lot No.	Block	Tract			
Owner	TAMCO				
Mailing Address	PO BOX 325				
City	ETIWANDA	Zip	91739	Tel	987-2521
Contractor	OWNER				
Address					
City		Zip		Tel.	
State Lic. & Classif.				City Lic. No.	
Arch., Engr., Designer					
Address				Tel.	
City		Zip		State Lic. No.	
Proposed Construction	Scrap Yard Lunch Room				
Sq. Ft. Size	240	No. Stories	1	No. Dw. Units	
New ☑	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐	

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:			

VALUATION: $ 10,400

FEES			
	PLAN CHECKING FEE Rec. # 81-2672	64	00
	PERMIT FEE	86	50
	DRAINAGE FEE	25	—
	SYSTEMS FEE	104	
	BEAUTIFICATION FEE	—	
	PARK FEE	—	
	OTHER		
Processed By: A.R.	School Fee Recpt. #	TOTAL	215 50
Permit No. 81-2682	Validation	Date	9/2/81

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☑ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ & B.&P.C. for this reason _____

Date 9/1/81 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☑ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct, and I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 9/1/81

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	10/6/81	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.	10/6/81	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.	10/19/81	
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	10/27/81	
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.	10/27/81	
INSULATION: Thickness, R-Values, Piping, Sound Caulking.	✓	
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.	✓	
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.	10/30/81	
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.	✓	
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	11/6/81	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

10/14/81 1st grout lift

10/19/81 2nd & final grout lift

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel (714) 989-1851

Garage Home

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy
Owner	AMERON
Mailing Address	12459 ARROW HWY
City	R.C. Zip 91739 Tel 887-2521
Contractor	WHITTAKER ELECTRIC Co
Address	333 So "J"
City	SAN B'NOO Zip 92410 Tel 889-9895
State Lic. & Classif.	164 Lic. City Lic. No. 1404

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.
- ☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.
- ☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. CB 842699 Company INDEMNITY

- ☒ Copy is filed with the city.
- ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Whittaker Electric 9/10/81

Mailing Address 333 So J

City, State, Zip San Bndo Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 60 AMP)	10 00
3	Outlets (Receptacles, Lights, Switches)	1 50
1	Fixtures 220 REC.	1 00
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	3 00
	TOTAL ELECTRICAL FEES	15 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 15 50

Processed by	JSJ	Spec. Cond.	
Permit No.	81-2741	Validation	Date SEP-81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT	9/11/21	Russell	
ROUGH WIRING	10/27/21	Russell	
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.			
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER. Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

SEWER/PRIV. DISP. SYSTEM DIAGRAM

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW HWY

Owner: TAMCO AMERON

Mailing Address: 12459 ARROW HWY.

City: ETWANDA Zip: 91739 Tel: 899-1716

Contractor: WHITAKER ELECT. CO.

Address: 393 So J ST.

City: SAN BNDO Zip: 92410 Tel: 889-9995

State Lic. & Classif.: 164965 C10 City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. CBB12-5899 Company Ind Indem.

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: A Greenmun Date: 10/7/81

Mailing Address: 393 So J St

City, State, Zip: San Bndo, Ca 92410

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 120A, 480A)	39 00
11	Outlets (Receptacles. Lights, Switches)	5 50
5	Fixtures	2 50
	Motors (HP ea.)	
	Other (Specify 7 15 KVA TRANS.)	12 50
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	62 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 62 50

Processed by: BH Spec. Cond.:

Permit No.: 81-3024 Validation: Paid R. Date: 10/7/81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT	10/8/81	[illegible]	
ROUGH WIRING	10/27/81	[illegible]	
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.			
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT



- ✓ BUILDING
- ELECTRICAL
- MECHANICAL
- ( ) PLUMBING
- ( ) GRADING
- ✓ NEW
- SFD
- [ ] ADDN
- [ ] APT.
- ✓ ALTER
- [ ] DUPLEX
- [ ] REPAIR
- [ ] COMM

PERMIT NO 78-381	ZONING M-2	USE PERMIT —	DESIGN REVIEW —	UBC ED. 76	
LOT AREA —	DWELLING UNITS	FIRE ZONE 3	STORIES	BEDROOMS	
FLOOR AREA —	VALUATION 3500 —	GROUP B-4	MAX. OCC. —	TYPE II-N	

PROPOSED WORK/REMARKS: Construct Observation platform in Casting machine area

INSPECTOR WORK SHEET

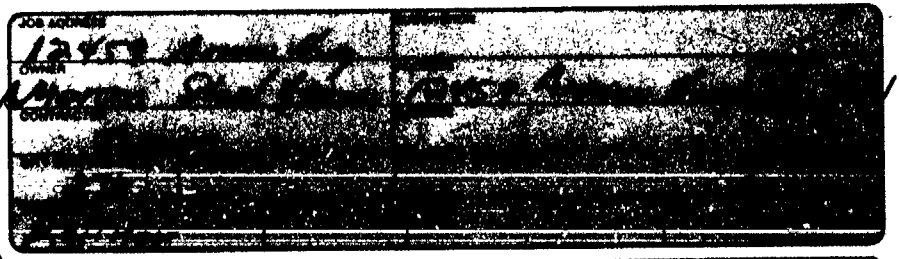
Footing South East 12-28-78 JH

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK /STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	4-5-79	JH
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT



- [X] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING
- [X] NEW [ ] SFD
- [ ] ADDN [ ] APT
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM

PERMIT NO: 78-383

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
20,180	160,000	B-4	—	II-N
LOT AREA	**DWELLING UNITS**	**FIRE ZONE**	**STORIES**	**BEDROOMS**
42 Ac. ±		3	1	—
ZONING	**USE PERMIT**	**DESIGN REVIEW**	**UBC ED**	
M2			76	—

PROPOSED WORK/REMARKS: Construct Use Storage Bldg

Bldg Engr: Mark Kistner

need grad. contr. list.

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK /STL	11-29-78	
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	4-5-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION Mark Kellner

city of rancho cucamonga

BUILDING PERMIT

JOB NUMBER

- ( ) BUILDING
- ( ) ELECTRICAL
- ( ) MECHANICAL
- ( ) PLUMBING
- ( ) GRADING

- [ ] NEW [ ] SFD
- [ ] ADDN [ ] APT.
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM.

PERMIT NO 79-275

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED	

PROPOSED WORK/REMARKS.

Constr. 28' x 74' Building Bldg. per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK /STL	2-20-79	JH
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ECTRICAL FINAL		
UMBING FINAL		
CHANICAL FINAL		
LDING FINAL	JH 4-16-79	
ING FINAL		
WAY FINAL		
TIFICATE OF OCCUPANCY		

12459 ARROW HWY.

BUILDING PERMIT

SAN BERNARDINO COUNTY

Region	By	Application Date	Plans	Plot	Gr.	Type Con.	Fire Zone	Plan No.	Index No.
20	PM	1-10-78							124-85

To be filled in by Applicant – PLEASE PRINT OR TYPE

Permit Number: 55641

Owner's Name: ~~EMERSON~~ TRACO - SEWER AUTHORITY — Phone No.: 987-2521

Owner's Mailing Address: 12459 Arrow Hwy — City: ETIWANDA — Zip: 91739

JOB SITE ADDRESS: SAME — CITY

Lot No. — Block No. — Tract No.

Sec. — Twn. — Rng.

Intended Permit Use: CEN A COMPRESSOR ROOF COVER

Lot Dimensions	No. Stories	No. Bedrms.	No. Dwell. Units	No. Dwell. Units Now on Lot	No. Fireplaces

No. Bldgs. Now on Lot	How Used	When Plans Checked Notify

Contractor: O/B — City — Zip — Phone No.

Contractor's Mailing Address

FLOOR	EXT. WALLS	INT. WALLS	CEILING	ROOF	HEATING	SEWAGE SYSTEM
Conc.	Masonry	Masonry	Open Beam	Wood	Elect.	Public
Wood	Frame	Frame	Plaster	Comp. Sh.	Nat.Gas	Private
	Stucco	Plaster	Sheetrock	Built-up	L.P.G.	
	Siding	Sheetrock	Wood	Metal	Oil	Min.Depth
	Metal	Wood	Fiber Board	Tile	Solid	S.F./100 gal.

CERTIFICATION OF APPLICANT FOR BUILDING PERMIT

I have read this application and agree to comply with all laws regulating construction. I certify that in the performance of this work I shall not employ any person in any manner violating Workers' Compensation laws.

California Health & Safety Code, Sec. 17922.6, requires applicants for building permits to show that a Division of Industrial Safety permit has been obtained, unless the applicant signs this Certificate below.

☐ I certify that no excavation five (5) or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit from that division.

Division of Industrial Safety Permit No. — 12/9/77

Owner's Signature: Mark Kelton — License No.

Contractor's Signature

ONTARIO COMPLETED DATE: 4-[illegible]

Valuation $ 3,500.00

	Sq. Ft.	Factor P.S.	Adjusted Area or Valuation
1			
2			
3			
Gar.			
Porch			
F.P.			

Adjusted Area — Cu. Yds.

Grading

ELECT.

PLUMB.

MECH.

Plan Check Fee	$ 21	45
Const. Fee	33	—
Elect. Fee		
Plumb. Fee		
Mech. Fee		
Grading Fee		
Misc. Fee		
Permit Fee		
TOTAL FEE	$ 54	45

VALIDATION SPACE OR RECEIPT NO. Cash/Check

Receipt 350345 C/C 8545

DEPARTMENT USE ONLY

Plan Check Valuation

By — AP No.

ZONE

Minimum Setback Distances

_____ Front Setback from Center Line — R/W

_____ Rear Setback from Rear Property Line — R/W

_____ Side Street Setback from Center Line

_____ Side Setback from Property Line

_____ Side Setback from Property Line

NOTE:

STRUCTURE	PLUMBING				HEATING & AIR COND.				ELECTRICAL	
SETBACK	LAVATORY		TOILET		GAS PIPE		COOLER			
EXCAVATION	BATHTUB		FL. DRAIN		FL. FURN.		REFRIG.			
FORMS	SHOWER		SEWER		WALL FURN.		A.C. UNIT			
FOUND. REINF.	SINK		SEPTIC TANK		F.A.U.		HEAT PUMP			
REINF. STEEL	LAUND. TUB		SEEP. PIT		WATER HTR.		FIREPLACE			
GROUT	GARB. DISP.		LEACH LINE		BOILER		GAS CONV.			
BOND BEAM	DISH WASH.		GR. TRAP		INCINER.		L.P.G.			
LUMBER GR.	URINAL		DRINK FTN.		VENT		NAT. GAS			
FRAMING					DRYER					
ROOFING										
VENTILATION										
BATH VENT.	GROUND PLUMB.				GAS (ROUGH)				GROUNDING	RANGE
UNDERFL. VENT	ROUGH PLUMB.				HEATING (ROUGH)				BONDING	DRYER
ACCESS HOLE	SEWER				WATER HEATER				ROUGH WIRING	
GAR. FIREPROOF	SEPTIC TANK				EVAP. COOLER				SERVICE COND. SIZE	
LATHING	SIZE				A.C. UNIT				SERVICE WIRE SIZE	
MESH	SEEP. PIT				REFRIGERATION				SERVICE GROUND SIZE	
PLASTER	SIZE				DUCT WORK				AMP.	VOLTS
FIREPLACE	LEACH LINE				SPARK ARREST.				NO. BR. CIRCUITS	
INSULATION/SOUND	WATER SYS.				HEATING (FINAL)				TEMP.	
CERT. OCC.	FINAL INSP.				GAS (FINAL)				FINAL	

N.

W. E.

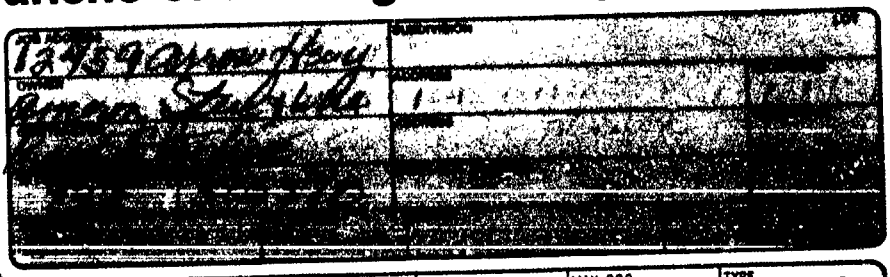
S.

FINAL O.K. 4-12-78
WITH MARK KELLNER
ENG. W/ AGREEMENT. Williams
C.B.O.

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT



- ○ BUILDING
- ○ ELECTRICAL
- ○ MECHANICAL
- ○ PLUMBING
- ○ GRADING

☑ NEW ☐ SFD
☐ ADDN ☐ APT
■ ALTER ■ DUPLEX
■ REPAIR ■ COMM.

PERMIT NO. 79-65

FLOOR AREA 20,180	VALUATION	GROUP B-4	MAX. OCC.	TYPE II-N
LOT AREA 43 acres	DWELLING UNITS	FIRE ZONE 3	STORIES 1	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS: Electrical for new wire mill Storage Bldg. as per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK /STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE	4-5-79	J.K.
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL	6-5-79	J.K.
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL		
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Final

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROWHEAD		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	PO BOX 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	LOADING PLATFORMS		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:			

VALUATION: $ 20,000

FEES			
	PLAN CHECKING FEE REC 9129 11-1280	105	38
	PERMIT FEE	140	50
	DRAINAGE FEE		
	SYSTEMS FEE		
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	

Permit No. 80-3812 Validation JR Date 11/24/80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 11/24/80 Signature [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 11/24/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	2/9/81	HRL
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
re-ROOF:		
SIGN(S):		

INSPECTION NOTES

12459 Arrow Hwy.

Bob SCHNELLER

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy				
Lot No.	Block	Tract			
Owner	AMERON STEEL & WIRE DIV				
Mailing Address	P.O. Box 8				
City	ETIWANDA	Zip 91739	Tel. 987-2521		
Contractor	OWNER				
Address					
City		Zip	Tel.		
State Lic. & Classif.			City Lic. No.		
Arch., Engr., Designer	OWNER				
Address			Tel.		
City		Zip	State Lic. No.		
Proposed Construction	ROLL MILL MAINT WEST END ENCLOSURE				
Sq. Ft. Size	1325	No. Stories	1	No. Dw. Units	
New ☒	Add. ☐	Alter ☒	Repair ☐	Demolition ☐	

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION. $ 13,200

FEES		
	PLAN CHECKING FEE RC 9-9-80	78 38
	PERMIT FEE	104 50
	DRAINAGE FEE	—
	SYSTEMS FEE	—
	BEAUTIFICATION FEE	
	PARK FEE	
	OTHER	
	TOTAL	104 50

Processed By [illegible] School Fee Recpt. #

Permit No. 80-3185 Validation [illegible] Date 10-2-80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 10/2/80 Owner [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 10/2/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	12/5/80	Comm
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bltg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	M/Parker	Comm
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
[illegible]-ROOF:		
[illegible]:		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	P.O. BOX 8		
City	ETIWANDA	Zip 91739	Tel. 987-8521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer	OWNER		
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	WINDBREAK LEAN-TO		
Sq. Ft. Size	1275	No. Stories 1	No. Dw. Units

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION: $ 13,500

FEES		
PLAN CHECKING FEE Rec'd $273 9-19-80	70	38
PERMIT FEE	104	50
DRAINAGE FEE	73	25
SYSTEMS FEE	135	00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
Processed By BM School Fee Recpt. #	TOTAL	312 75

Permit No. 80-3186 Validation CA Date 10-2-80

LICENSED CONTRACTOR'S DECLARATION

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OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

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○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 10/2/80 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

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NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 10/2/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	10/27/80	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.	10/30/80	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Bocking, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/80	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Srt., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HWY		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	P.O. BOX 8		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer	OWNER		
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	FOREMANS OFFICE INT. ALT.		
Sq. Ft. Size	480	No. Stories 2	No. Dw. Units
New ☐	Add. ☐	Alter. ☒	Repair ☐ Demolition ☐

U.B.C. Edition	1976	Type Const.	V-N
Occ. Group			
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			
VALUATION: $	15,000		

PLAN CHECKING FEE	3/31/80 # 06693	82 88
PERMIT FEE		110 50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL		110 50

Processed by [illegible] Permit No. 80-1301 Validation [illegible] Date 5/15/80

LICENSED CONTRACTOR'S DECLARATION

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☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 3/31/80 Owner Mark Keller

WORKERS' COMPENSATION DECLARATION

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Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

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Lender's Name _____

Lender's Address _____

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Signature of Applicant Mark Keller 3/31/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6/27/00	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices. Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/5/00	

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGNS:		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy	U.B.C. Edition	Type Const.	Occ. Group
Lot No. / Block / Tract		Occ. Load	F. D. Appr. Required ☐	H. D. Appr. Required ☐
Owner	Ameron Steel & Wire Div	CCWD Permit ☐ Obtained ☐ N.A.	D. of A. Permit ☐ Obtained ☐ N.A.	
Mailing Address	P.O. Box 8	Use Permit Required ☐	Des. Rev. Required ☐	APN
City / Zip / Tel.	Etiwanda / 91739 / 987-2521	No. Bedrooms	Lot Size	
Contractor	OWNER	Special Conditions		
Address		VALUATION: $	12,500	
City / Zip / Tel.				
State Lic. & Classif. / City Lic. No.				
Arch., Engr., Designer	OWNER			
Address / Tel.				
City / Zip / State Lic. No.				
Proposed Construction	Foremans Office Int. Alt.			
Sq. Ft. Size	320	No. Stories	2	No. Dw. Units
New ☐ Add. ☐ Alter. ☒ Repair ☐ Demolition ☐				

FEES		
	PLAN CHECKING FEE Paid 3/31/80 # 06693	73 88
	PERMIT FEE	98 50
	DRAINAGE FEE	
	SYSTEMS FEE	
	BEAUTIFICATION FEE	
	PARK TAX	
	SCHOOL FEE	
	OTHER	
Processed by	TOTAL	98 50
Permit No. 80-1300	Validation	Date 5/15/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

☐ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date 3/31/80 Owner Allan L. Hatton

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Allan L. Hatton Date 3/31/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6/30/00	WRh
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access. Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/5/00	WRh
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility. Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

All Insp. complete & Clearance by Steve & Frank

OK Mural

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy

Owner: Ameron

Mailing Address: 12459 Arrow Hwy

City: Rancho Cucamonga | Zip: 91739 | Tel: 987-2521

Contractor: Whittaker Electric

Address: 382 S. 5 St.

City: San Bernardino | Zip: 92410 | Tel: 889-9855

State Lic. & Classif.: 164965 | City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. WJ 813 4025 Company _____

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: John Burke Date: Aug 14 1981

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.. 1200A)	50 00
103	Outlets (Receptacles. Lights, Switches)	51 50
42	Fixtures	21 00
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	129 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 129 50

Processed by: BK | Spec. Cond.:

Permit No. 81-2498 | Validation: Jai C | Date: 8/14/81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
UNDERGROUND CONDUIT	7/28/81	
ROUGH WIRING	8/27/81	
NEW SERVICE 1200 Amp	8/20/81	
FIXTURES		
FINAL ELEC. INSP.	11/6/81	
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.	8/20/81	
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel. 987-2521
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	Motor Control Center Room		
Sq. Ft. Size	No. Stories	No. Dw. Units	
New ☒	Add. ☐	Alter. ☐	Repair ☐ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 16,200

FEES			
	PLAN CHECKING FEE	Receipt 06820	91 DB
	PERMIT FEE		122 50
	DRAINAGE FEE	SEE COOLING TOWER PERMIT	
	SYSTEMS FEE	190	162 00
	BEAUTIFICATION FEE		
	PARK TAX		
	SCHOOL FEE		
	OTHER		
	TOTAL		284 50

Processed by _____ Valid _____ Date _____

80-1197 5-7180

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 5/7/80 Owner Mark Kelton

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of th work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 5/7/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Pnlt., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings; House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/00	W.R.L.
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sit., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel. 987-2521
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer			
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	COOLING TOWER STORAGE BASIN & HOT WELL		
Sq. Ft. Size		No. Stories	No. Dw. Units

New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 68,000

FEES		
PLAN CHECKING FEE	Receipt 0692	259 50
PERMIT FEE		346 00
DRAINAGE FEE		2500 00
SYSTEMS FEE	1%	680 00
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL		3526 00

Processed by

Permit 80-1196 Validated

Date 5/7/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 5/7/80 Owner Mark Kelton

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 5/7/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/86	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
[illegible]:		
ROOF:		
[illegible]:		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HIGHWAY		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE		
Mailing Address	12459 ARROW HWY		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	ROY O. HUFFMAN ROOF CO.		
Address	5971 JURUPA AVE.		
City	RIVERSIDE	Zip 92504	Tel. 689-8330
State Lic. & Classif.	316458 C-39	City Lic. No.	2269
Arch., Engr., Designer			Tel.
Address			
City		Zip	State Lic. No.
Proposed Construction	RE-ROOF (Lot map)		
Sq. Ft. Size		No. Stories	No. Dw. Units

New ☐ Add. ☐ Alter. ☐ Repair ☒ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load		F. D. Appr. Required ☐	H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		D. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 5,501.00

FEES		
	PLAN CHECKING FEE	42 38
	PERMIT FEE	56 50
	DRAINAGE FEE	
	SYSTEMS FEE	
	BEAUTIFICATION FEE	
	PARK TAX	
	SCHOOL FEE	
	OTHER	
	TOTAL	98 88

Processed by JM. Permit No. 80-1045 Validation JM Date 4/21/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. WR 1 060228 Company Mission Ins Co.

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 4/10/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/20	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	Etiwanda	Zip 91739	Tel 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	Etiwanda	Zip 91739	Tel 9872521
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct; I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Kellins Date 5/7/80

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other Water Conn	3 50
	Plan Chk. Fee / Issuance Fee			7 00
	TOTAL PLUMBING FEES			10 50

TOTAL ELEC., MECH., PLMBG. FEES

Processed By _____ Spec. Cond. _____

Permit No. 80-1195 Validation _____ Date 5-7-80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

	INSPECTION	DATE	INSP. SIGN.
ELECTRICAL	UNDERGROUND CONDUIT		
	ROUGH WIRING		
	NEW SERVICE		
	FIXTURES		
	FINAL ELEC. INSP.		
	TEMP. POWER POLE		
	OTHER		
	OTHER		
	ELEC. UTILITY CLRNCE.		
MECHANICAL	U. G. DUCTS/REFRIG. LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs		
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports		
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
	GAS TEST		
	FINAL PLMBG. Fixtures, Valves, Services	12/20/80	
	WATER HTR. Vent, Valves, Press. Rel. Valve		
	SEWER/PRIV. DISP. SYSTEM		
	OTHER		
	OTHER		
	GAS UTILITY CLRNCE.		
MISC.	BONDING		
	U.G. CONDUIT		
	GAS PIPING Material, Depth		
	GAS TEST		
	HEATER Vent, Clearance, Location, Shut-off		
	FINAL POOL ELEC.		
	FINAL POOL PLMBG.		
	OTHER		

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	8'HIGH X 2405' LONG FENCE 2 3/8" SCH 40 POLE W 11GA FABRIC FOOTINGS 30" DEEP X 8" DIA.		
Sq. Ft. Size	No. Stories	No. Dw. Units	
New ☒	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐

No. Stories —	Type Const. V-N		Occ. Group M-2
Occ. Load —	No. Dw. Units —	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size 14 acres		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION: $ 13,500

FEES		
PLAN CHECKING FEE		
PERMIT FEE	104	50
DRAINAGE FEE (1 acre min.)	2500	00
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
Processed By MP	School Fee Recpt. # — TOTAL	2604	50
Permit No. 80-1886	Validation O.T.C.	Date 6/24/80	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date 6/25/80 Owner Mark Kelting

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

☒ (This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 6/25/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/83	

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy RC

Owner: AMERON

Mailing Address: 12459 ARROW HWY R

City: R. C. Zip: Tel: 889-1716

Contractor: WHITTAKER ELECT. CO

Address: 383 So 'J' ST.

City: SAN BNDO Zip: 92410 Tel: 8893895

State Lic. & Classif.: 164965 C10 City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 4458025 Company GREAT AMERICAN

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 7/1/80

Mailing Address: 383 So J St.

City, State, Zip: San Bndo 92410

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, (Industrial))	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
10	Motors 4 HP 150 HP (HP ea. 30 50 HP 2 @ 40 HP)	235 00
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	242 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
Plan Chk. Fee		Issuance Fee		
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
Plan Chk. Fee		Issuance Fee		
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES

Processed by: [signature] Spec. Cond.

Permit No. 80--1943 Validation [signature] Date 7/2/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT			
ROUGH WIRING			
NEW SERVICE			
FIXTURES			
FINAL ELEC INSP.	12/22/82	Hyde	
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

SEWER/PRIV. DISP. SYSTEM DIAGRAM

PC#399

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	PO Box 325		
City	ETIWANDA	Zip 91739	Tel. 907-2521
Contractor	OWNER-BUILDER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer			
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	Foundation For Dolomite Silo		
Sq. Ft. Size		No. Stories	No. Dw. Units

New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION: $ 5500 00 8/19/80

FEES		
PLAN CHECKING FEE	pd. 08256	42 38
PERMIT FEE		56 50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		56 50

Processed By JG | School Fee Recpt. # | Permit No. 80-3602 | Validation | Date 11-5-80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☑ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

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○ I am exempt under Sec. _____ B.P.C. for this reason _____

Date 8/19/80 Owner Mark Holtus

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

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CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Holtus Date 8/19/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	11/14/00	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/00	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sft., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
[illegible]:		

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy

Owner: AMERON STEEL COMP

Mailing Address: SAME

City: RANCHO CUCAMONGA | Zip: | Tel.: 984 2504

Contractor: WH GRAHAM ELECTRIC Co

Address: 363 So "J" ST

City: SAN BERNARDINO | Zip: 92410 | Tel.: 889 9895

State Lic. & Classif.: C-10 | City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. SC 116805 Company _____

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 8-15-80

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 2 #300A 2)	20 00
	Outlets 21 (Receptacles, Lights, Switches) 3	10 20
	Fixtures 15	2 50
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	45 70

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 45 70

Processed by _____ Spec. Cond. _____

Permit No. 80-2539 Validation _____ Date 8-15-80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT			
ROUGH WIRING OK	8/5/80	H.R.L	
NEW SERVICE			
FIXTURES OK	9/12/80	H.R.L.	
FINAL ELEC. INSP. OK	9/12/80	H.R.L	
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

/2459 ARROW HWY.

BUILDING PERMIT

BERNARDINO COUNTY

On	By	Application Date	Plans	Plot	Gr.	Type Con.	Fire Zone	Plan No.
0	MM	1-10-78						

Index No. 124-85

Permit Number 55641

Date Permit Issued

Use Number # 21

To be filled in by Applicant — PLEASE PRINT OR TYPE

Owner's Name THACO — Steve Hamre Dist — Phone No. 987-2521

Owner's Mailing Address 12459 Arrow Hwy — City ETIWANDA — Zip 91739

JOB SITE ADDRESS SAME — CITY

Lot No. — Block No. — Tract No.

Sec. — Twn. — Rng.

Intended Permit Use: Cel 9 Compressor Roof Cover

Lot Dimensions	No. Stories	No. Bedrms.	No. Dwell. Units	No. Dwell. Units Now on Lot	No. Fireplaces

No. Bldgs. Now on Lot — How Used

Contractor O/B — When Plans Checked Notify

Contractor's Mailing Address — City — Zip — Phone No.

FLOOR	EXT. WALLS	INT. WALLS	CEILING	ROOF	HEATING	SEWAGE SYSTEM
Conc.	Masonry	Masonry	Open Beam	Wood	Elect.	Public
Wood	Frame	Frame	Plaster	Comp. Sh.	Nat.Gas	Private
	Stucco	Plaster	Sheetrock	Built-up	L.P.G.	
	Siding	Sheetrock	Wood	Metal	Oil	Min.Depth
	Metal	Wood	Fiber Board	Tile	Solid	S.F./100 gal.

	Sq. Ft.	Factor P.S.F.	Adjusted Area or Valuation
1			
2			
3			
Gar.			
Porch			
F.P.			
Valuation $ 3500			Adjusted Area
Grading			Cu. Yds.

ELECT.

PLUMB.

MECH.

Plan Check Fee	$ 21	115
Const. Fee	33	—
Elect. Fee		
Plumb. Fee		
Mech. Fee		
Grading Fee		
Misc. Fee		
Permit Fee		
TOTAL FEE	$ 54	115

VALIDATION SPACE OR RECEIPT NO. Cash/Check

Receipt 350345 C/K 8545

ONTARIO COMPLETED DATE: 2-

CERTIFICATION OF APPLICANT FOR BUILDING PERMIT

I have read this application and agree to comply with all laws regulating construction. I certify that in the performance of this work I shall not employ any person in any manner violating Workers' Compensation laws.

California Health & Safety Code, Sec. 17922.6, requires applicants for building permits to show that a Division of Industrial Safety permit has been obtained, unless the applicant signs this Certificate below.

☐ I certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit from that division.

Division of Industrial Safety Permit No. — 12/9/77

Owner's Signature Mark Kelton — License No.

Contractor's Signature — License No.

DEPARTMENT USE ONLY

By — AP No. — Plan Check Valuation

ZONE

Minimum Setback Distances

Front Setback from Center Line — R/W

Rear Setback from Rear Property Line — R/W

Side Street Setback from Center Line

Side Setback from Property Line

Side Setback from Property Line

NOTE:

STRUCTURE	PLUMBING				HEATING & AIR COND.				ELECTRICAL
SETBACK	LAVATORY		TOILET		GAS PIPE		COOLER		
EXCAVATION	BATHTUB		FL. DRAIN		FL. FURN.		REFRIG.		
FORMS	SHOWER		SEWER		WALL FURN.		A.C. UNIT		
FOUND. REINF.	SINK		SEPTIC TANK		F.A.U.		HEAT PUMP		
REINF. STEEL	LAUND. TUB		SEEP. PIT		WATER HTR.		FIREPLACE		
GROUT	GARB. DISP.		LEACH LINE		BOILER		GAS CONV.		
BOND BEAM	DISH WASH.		GR. TRAP		INCINER.		L.P.G.		
LUMBER GR.	URINAL		DRINK FTN.		VENT		NAT. GAS		
FRAMING					DRYER				
ROOFING									
VENTILATION									

BATH VENT.	GROUND PLUMB.	GAS (ROUGH)	GROUNDING RANGE
UNDERFL. VENT	ROUGH PLUMB.	HEATING (ROUGH)	BONDING DRYER
ACCESS HOLE	SEWER	WATER HEATER	ROUGH WIRING
GAR. FIREPROOF	SEPTIC TANK	EVAP. COOLER	SERVICE COND. SIZE
LATHING	SIZE	A.C. UNIT	SERVICE WIRE SIZE
MESH	SEEP. PIT	REFRIGERATION	SERVICE GROUND SIZE
PLASTER	SIZE	DUCT WORK	AMP. VOLTS
FIREPLACE	LEACH LINE	SPARK ARREST.	NO. BR. CIRCUITS
INSULATION/SOUND	WATER SYS.	HEATING (FINAL)	TEMP.
CERT. OCC.	FINAL INSP.	GAS (FINAL)	FINAL

N.

W. E.

S.

FINAL O.K. 4-12-78
Wm Mark Kellner
Eng. W/ American Telecom
R.B.L.

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- BUILDING
- ELECTRICAL
- MECHANICAL
- PLUMBING
- GRADING
- NEW SFD
- ADDN APT
- ALTER DUPLEX
- REPAIR COMM

PERMIT NO 7965

JOB ADDRESS 12459 Arrow Hwy

SUBDIVISION LOT

OWNER Amern Steel/Noble TELEPHONE

CONTRACTOR Ken Electric ADDRESS TELEPHONE

CITY BUSINESS LIC # 738 STATE LIC # 505520 ARCH./BLD. DESIGNER TELEPHONE

ENGINEER TELEPHONE LABOR APN

FLOOR AREA	VALUATION	GROUP	MAX OCC	TYPE
20,180		B-4		II-N
LOT AREA 4.9 acres	DWELLING UNITS	FIRE ZONE 3	STORIES 1	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED	

PROPOSED WORK/REMARKS Electrical for new wire mill Storage Bldg. as per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK/STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH		
UNDERFLOOR/SLAB PLUMB		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE	4-5-79	J-H
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL	6-5-79	J-H
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL		
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

BUILDING
ELECTRICAL
MECHANICAL
PLUMBING
GRADING
NEW SFD
ADDN APT
☐ ALTER ☐ DUPLEX
☐ REPAIR COMM

PERMIT NO 79-276

JOB ADDRESS 12457 Arrow Hwy.	SUBDIVISION		LOT
OWNER Jamco	ADDRESS		TELEPHONE 77250
CONTRACTOR Jamco O/B	ADDRESS		TELEPHONE
CITY BUSINESS LIC. # 270	STATE LIC. #	ARCH./B.D. DESIGNER	TELEPHONE
ENGINEER	TELEPHONE	LENDER	APN

FLOOR AREA	VALUATION	GROUP	MAX. OCC	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED	

PROPOSED WORK/REMARKS
Constr. 30'x75' Maint. Bldg. add. weld shop per plan on file

INSPECTOR WORK SHEET

Part

TYPE OF INSPECTION		DATE	INSPECTOR
ROUGH GRADING		4-19-79	J-L.
FOUNDATION/SET BK STL			
UNDERFLOOR SLAB	ELEC		
UNDERFLOOR/SLAB	MECH		
UNDERFLOOR/SLAB	PLUMB	4-19-79	J-L.
UNDERFLOOR			
ELECTRIC ROUGH			
MECHANICAL ROUGH			
PLUMBING ROUGH			
FRAME ROUGH			
LATH OUTSIDE			
INSULATION			
WALLBOARD			
MASONRY/FIREPLACE			
GAS SERVICE			
SEWER SERVICE		4-19-79	J-L
ELECTRICAL SERVICE			
GAS APPLIANCE			
FIRE DETECTOR			
ELECTRICAL FINAL			
PLUMBING FINAL			
MECHANICAL FINAL			
BUILDING FINAL		6-5-79	J-L.
GRADING FINAL			
DRIVEWAY FINAL			
CERTIFICATE OF OCCUPANCY			

JK 12

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

Building Address 12459 ARROW RT. | Block | Tract

Lot No

Owner TAMCO

Mailing Address PO BOX 325

City ETIWANDA | Zip 91739 | Tel 987 2521

Contractor KENT ELECTRIC

Address 11631 INDUSTRY AVE

City FONTANA | Zip 92335 | Tel 829 7966

State Lic & Classif C10 305570 | City Lic No

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 00075310ST Company [illegible]

☒ Copy is filed with the city ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This portion need not be completed if the permit is for one hundred dollars ($100) or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 5/2/88

Signature of Applicant

Mailing Address 11631 INDUSTRY AVE

City, State, Zip FONTANA CA 92335

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
11	Outlets (Receptacles, Lights, Switches)	5 50
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg @	7 00
	Plan Chk. Fee / Issuance Fee	12 50

TOTAL ELECTRICAL FEES

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	

Plan Chk. Fee / Issuance Fee

TOTAL MECHANICAL FEES

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	

Plan Chk. Fee / Issuance Fee

TOTAL PLUMBING FEES CASH

TOTAL ELEC., MECH., PLMBG. FEES 12 50

Processed by

Spec. Cond.

Validation

Permit No. 88-5116

Date 5/2/88

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION REC		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

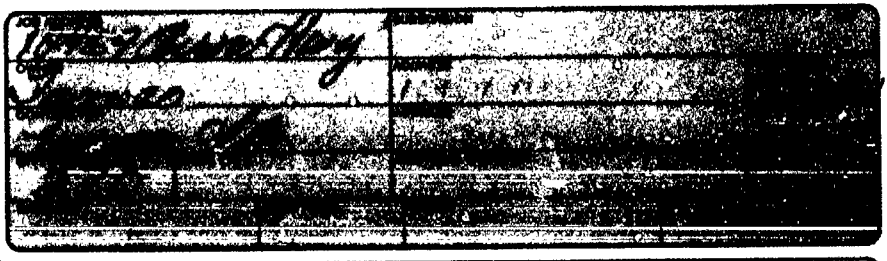
INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT



- ( ) BUILDING
- ( ) ELECTRICAL
- ( ) MECHANICAL
- ( ) PLUMBING
- ( ) GRADING

- [ ] NEW [ ] SFD
- [ ] ADDN [ ] APT
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM.

PERMIT NO. 79-276

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS

Constr. 30'x75' Maint. Bldg. add. weld shop per plan on file

INSPECTOR WORK SHEET

Part

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING	4-19-79	J.M.
FOUNDATION/SET BK /STL		
UNDERFLOOR/SLAB ELEC		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB	4-19-79	J.M.
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE	4-19-79	J.M.
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	6-5-79	J.M.
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

12459 ARROW HWY

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

OK Fried

BUILDING PERMIT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			Tel.
Address			
City		Zip	State Lic. No.
Proposed Construction	LIABLE SUPPORT STRUCTURE FOUNDATION		
Sq. Ft. Size		No. Stories	No. Dw. Units

New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions: Plan check fee based upon actual consultant billing for same

VALUATION: $ 10,000

FEES		
	PLAN CHECKING FEE	110 00
	PERMIT FEE	80 50
	DRAINAGE FEE	
	SYSTEMS FEE	~~100 00~~
	BEAUTIFICATION FEE	
	PARK FEE	
	OTHER	
	TOTAL	190 50

Processed By | School Fee Recpt. # | Validation | Date 12/17/80

Permit No. 80-4101

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 12/16/80

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3700, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 12/16/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jn., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	2/5/81	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		

INSPECTION NOTES

[redacted]

12459 Arrow Hwy

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW HIGHWAY RTE				
Lot No.	Block	Tract	No. Stories	Type Const.	Occ. Group
Owner	TAMCO		Occ. Load	No. Dw. Units / Use Permit Required ☐	Des. Rev. Required ☐
Mailing Address	12459 ARROW	PO Box 325	No. Bedrooms	Lot Size Size	APN
City	ETIWANDA	Zip 91739 Tel. 987-2521	CCWD Appr. Required ☐	H.D. Appr. Required ☐ / F.D. Appr. Required ☐	D.A. Appr. Required ☐
Contractor	OWNER		Special Conditions:		
Address	SAME				
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch. / Engr. Designer	G. H. GRIFFIN				
Address	AMERON CORP.	Tel.			
	MONTEREY PARK	Zip State Lic. No.			
Proposed Construction	COOLING BED Control House		VALUATION: $	4000.00	
Sq. Ft. Size	187	No. Stories 1 / No. Dw. Units	FEES: PLAN CHECKING FEE	PD 120583 PC# 83-5605	37.88
New ☒	Add. ☐ Alter. ☐ Repair ☐ Demolition ☐		PERMIT FEE		50.50
			DRAINAGE FEE	1-13-84 PAID 84-197	—
			SYSTEMS FEE		48 00
			BEAUTIFICATION FEE		
			PARK FEE	pd Check	
			OTHER	+ pd Cash	
Processed By		School Fee Recpt. #	TOTAL		98 50
Permit No.	84-289	Validation		Date	1-20-84

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 3019 OR 053498 Company Ameron Ins. Co.

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building constructions, and hereby authorize representatives of this city to enter above-mentioned property for inspection purposes.

Signature of Applicant TAMCO Manager 1/25/83

Mailing Address 12459 ARROW HWY

City, State, Zip ETIWANDA

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	8-16-84	

Signed per Resinspector's for-site inspection

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Sl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
[illegible]BER:		
[illegible]HOOF:		
[illegible]ISH:		

INSPECTION NOTES

J-K-13

BUILDING AND SAFETY DIVI

city of rancho cucamonga

9326 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Highway		
Lot No. Par. 2	Block 121	Tract PM 2421	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	Etiwanda	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer	Ely Energy, Inc.		
Address	11385 E. 60th Place So.		Tel. 918-250-66
City	Tulsa, OK	Zip 74146	State Lic. No.
Proposed Construction	LP Gas Storage Tanks		
Sq. Ft. Size	3,000	No. Stories 1	No. Dw. Units
New [X]	Add. [ ]	Alter. [ ]	Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size		APN 227-121-33
Approved Plan. Div. 89 P113/89	Approved Eng. Div. 11/29/89		Approved Fire Dist.
Special Conditions:	As per conditions listed in 11/30/89 letter.		

VALUATION: $ 200,000

FEES

PLAN CHECK	89-10271	
PERMIT		699.00
DRAINAGE		
SYSTEMS		
BEAUTIF	OK	
PARK		
OTHER		
Fire Clearance 89	School Fee Paid Verified	TOTAL 699.00
Permit No. 89-14358	Validation	Date 12/14/89

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[X] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[X] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 19 Dec 89 Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy to be filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[X] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 12 Dec 89

Mailing Address P.O. Box 325

City, State, Zip Etiwanda, CA 91379

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION (Gr. Const. Comp. Term. Setbacks, Forms, Reinf. Steel, Foundation)	12/13/89	DP
FLOOR SLAB JOISTS (Under Floor Work, Vap. Barrier, Plbg., Frame, Accessibility, Termite)		
MASONRY (Reinf. Mortar, Grout, Lintel, Chimney) Walls	12/15/89	DP
ROOF SHTG. (Sheathing, Fire Blocking, Attic Ventilation, Grade, Roof Drainage)		
FRAMING (Shear, Bracing, Drag Struts, Hardware, Rafter Ties, Ridge Beam, Joist Hangers)		
INSULATION (Attic, Wall, Floor, Exterior Envelope)		
LATH/WALLBOARD (Fire Taping, Shear Nailing, Exterior Lath)		
EXTERIOR (Attic Vents, Eaves, Soffits, Flashings, Paper, Termite Shield)		
FINAL (Gas Piping, Electrical, Mechanical, Plumbing, Fire Sprinklers, Exterior Lighting, Address Numbering, Handrails, Weather-Stripping, Insulation, Lath)	6-25-90	J.J. All corrections done.
SWIMMING POOL/SPA		
EXCAV. (Rebar, Setbacks, Pad Certification, Bonding, Exp. Soil, Pump Location, Drainage, Spa Heater)		
FENCE/GATE (Height, Separation, Latches, Clearance)		
FINAL INSPECTION (Pool Fence)		
MISCELLANEOUS		
SPRAY PAINT BOOTH		
RETAINING WALL		
SOLAR (Collector, Piping, System)		
VENEER		
RE-ROOF		
SIGN(S)		

INSPECTION NOTES

6-2-90 Finaled by FFD
Jay Tim Feegleau

J-K-14

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Azzaro Hwy
Lot No. / Block / Tract:
Owner: TAMCO
Mailing Address: P.O. Box 325
City: Fontana Zip: 92329 Tel: 714-987-2521
Contractor: TAMCO - owner
Address:
City: Zip: Tel:
State Lic. & Classif.: City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date: 2-Feb-90 Owner: [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

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I certify that I have read this application and state that the foregoing information declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 2-Feb-90

Mailing Address: _____

City, State, Zip: _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. .....@.....	
	Sq. Ft. Area New Res. Accessory Bldg. .....@.....	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee ..... Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	1	Gas System (No. Outlets. 1 .....)	3 50
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	Cust
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other Repipe System	3 50
	Plan Chk. Fee ..... Issuance Fee			7 00
	TOTAL PLUMBING FEES			14 00

TOTAL ELEC., MECH., PLMBG. FEES 14 00

Processed By: [signature] Spec. Cond.:

Permit No. 90-9440 Validation: R Date: 2/2/90

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECO		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports	2/6/90	
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST	2/6/90	
FINAL PLMBG. Fixtures, Valves, Services	6-25-90	J.G.
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.	6/27/90	
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address	12459 Arrow Highway
Lot No. / Block / Tract	
Owner	TAMCO
Mailing Address	P.O. Box325
City / Zip / Tel.	Etiwanda / 91739 / 714 987-2521
Contractor	CDK
Address	1490 Rubidoux Blvd.
City / Zip / Tel.	Riverside CA / 92509 / 782-8208
State Lic & Classif	419618-A-B-C10
City Lic No	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

✓ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P.C. for the reason: _____

Date 1-29-90 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

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I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 1-29-90

Mailing Address P.O. Box 325 1490 Rubidoux Blvd. 92739

City, State, Zip Etiwanda CA Riverside, Ca. 92509

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 1 600-A 480V)	37 50
11	Outlets Gen Lts & Recps (Receptacles, Lights, Switches)	3 25
0	Fixtures 7.50 7.50 7.50 7.50	30 00
4	Motors (HP ea. 7.5HP 10HP 10HP 1.5HP 200HP 5HP 5HP 3/4HP)	60 00
0	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. 0 @	
	Sq. Ft. Area New Res. Accessory Bldg. 210 @	
	Plan Chk Fee 88 Issuance Fee	15 88
	#90-127 TOTAL ELECTRICAL FEES	150 75

MECHANICAL SYSTEM

No.	Description	No.	Description
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm
	Vent Fan Includ. Duct		Other:
	Plan Chk. Fee		Issuance Fee
	TOTAL MECHANICAL FEES		

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 150 75

Processed by PB Spec. Cond.

Permit No. 90-3129 Validation CV Date 4-17-90

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION REC		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.	6-15-90	CB
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.	6/27/90	NS
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services		
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

5-11-90 ~ Need to be inspect
Items 3-4-#6 Dated ~ 4-23-90
Correction list.

6-13-90 Poor Tag CB

SEWER/PRIV. DISP. SYSTEM DIAGRAM

J-K' 13

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW ROUTE		
Lot No.	Block	Tract	
Owner	AMERON WIRE & STEEL		
Mailing Address	12459 ARROW ROUTE		
City	ETIWANDA	Zip 91739-0000	Tel.
Contractor	SOUTHERN CAL EQUIP. CO		
Address	1334 W. GLADSTONE ST		
City	AZUSA	Zip 91790	Tel. 818-334-0805
State Lic. & Classif.	458771 C-61	Bus. Lic. pending	
Arch., Engr., Designer	RAULSON ENG.		
Address			Tel.
City	GLENDORA	Zip	State Lic. No. S-1608
Proposed Construction	PERSONNEL PLATFORM FOR AIR SYSTEM ON ROOF W/ ACCESS LADDER ON EXTERIOR		
Sq. Ft. Size	No. Stories	No. Units	

New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group M-1
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Area		APN 229-13-03
Approved Plan. Div. 9/11/89	Approved Eng. Div.		Approved Fire Dist.
Special Conditions:			

VALUATION: $ 12,000

FEES		
PLAN CHECK	#89-13180	92.50
PERMIT		
DRAINAGE		
SYSTEMS		
BEAUTIF		
PARK		
OTHER		
Reviewed By	School Fee Verified	TOTAL 92.50
Permit No. 89-13559	Validation	Date 10-4-89

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Date ____ License Class ____ License No. ____

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

◯ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

◯ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

◯ I am exempt under Sec. ____ B. & P. C. for this reason ____

Date ____ Owner ____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 106404-89 Company STATE FUND

☒ Copy is filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 9-8-89

Mailing Address 1334 W. GLADSTONE ST

City, State, Zip AZUSA, CA. 91702

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Or Caisn Comp Tests Setbacks Forms, Reinf, Steel Excavation		
FLOOR SLAB(S): Underfloor, Piers/Pilings Mech Work Forms Slbg, Spans, Anchor Bolts		
MASONRY: Reinf, Mortar Jnts, Lintels Fill Cleanouts, Bolts		
ROOF SHTG: Nailing, Blocking, Attachment Bracing Insulation Roof Covering		
FRAMING: Walls, Partitions, Floors, Ceilings Insulation, Draftstopping, Fireblocking		
INSULATION: Wall, Floor, Ceiling, Roof Vapor Barrier		
FIREWALLS: Fire Walls, Fire Partitions, Fire Stops, Fire Protection		
WATER PIPING: Test, Shock Arrestors, Backflow Devices, Pressure Reducing, Supply Lines, Hose Bibbs, Water Heater Strapping, T&P Valve, Vent		
EXTERIOR LATH: Weather Resistive Barrier, Paper, Flashing, Weep Screed		
FINAL INSPECTION: Gas Piping, Vents, Combustion Air, Chimneys, Fireplaces, Vent Dampers, Insulation, Fire Doors, Exits, Fire Dampers, Smoke Detectors, Occupancy Separations, Hazardous Materials, Handicapped Requirements, Address Numbers, Weather Stripping, Final Clean	4/11/90	
SWIMMING POOL/SPA		
BARRIER REQMTS: Height, Gate Closure & Latching, Door Alarms, Setbacks, Radius Of Curvature, Bonding, Decking, Slope, Water Heater, Valves, Drains, Spa Cover, Lighting, Electrical Requirements		
FENCE/GATES: Height, Gate Closure & Latching, Door Alarms, Setbacks, Radius Of Curvature, Bonding, Decking, Slope, Water Heater, Valves, Drains, Spa Cover, Lighting, Electrical Requirements		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH		
RETAINING WALL		
SOLID WASTE DISPOSAL SYSTEM		
VENEER		
RE ROOF		
SIGN(S)		

INSPECTION NOTES

Industrial Wire is the Owner of this permit

1st Reshed notice sent 4/29/90 dr

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW HWY.

Owner: AMERON STEEL

Mailing Address: 12459 ARROW HWY | Zip | Tel.

City: FONTANA

Contractor: WHITTAKER ELECT. CO.

Address: 383 So. J ST.

City: SAN BNDO | Zip: 92410 | Tel.: 889-9895

State Lic. & Classif.: 16495 C10 | City Lic. No.: 14042

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code).

Policy No. PC 116805 Company GREAT AMER.

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 1/14/80

Signature of Applicant: WEC

Mailing Address: 383 So. J St.

City, State, Zip: San Bndo Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 60 AMP)	10 —
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 —
	TOTAL ELECTRICAL FEES	17 —

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 17 —

Processed by: BM | Spec. Cond.:

Permit No.: 80-127 | Validation: JC | Date: 1/14/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW RT.		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	Owner		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer	DONALD R. WARREN CO.		
Address	930 W. SUNSET BLVD	Tel. 213-626-0101	
City	LOS ANGELES	Zip 90012	State Lic. No.
Proposed Construction	BUILDING ADDITION		
Sq. Ft. Size	5,000	No. Stories 1	No. Dw Units

New ☐ Add. ☒ Alter ☐ Repair ☐ Demolition ☐

No. Stories	1	Type Const.	II-N
Occ. Group	B-2	Occ. Load	
No. Dw. Units		Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms		Lot Size Size	APN
Approved Plan. Div.		Approved Eng Div.	Approved Fire Dist.

Special Conditions: PC, 87-110 87

VALUATION: $ 100,000

FEES		
	PLAN CHECK	442 00
	PERMIT	
	DRAINAGE	
	SYSTEMS	
	BEAUTIF	
	PARK	
	OTHER	
Processed By	RMJ	School Fee Amt. Verified RMJ 11/23/87
	TOTAL	442 00

Permit No. 87-15240 Validation CP Date 11-23-87

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code), or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____, B & P.C. for this reason _____

Date 11-23-87 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 11-23-87

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR'S COPY

INSPECTION RECORD

FOUNDATION: (Or Certif. Comp. Tests, Setbacks) Forms, Reinf. Steel, Excavation	12-1-87	Thomas
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains	5-23-88	RL
FRAMING: Walls, Raft. Jsts., Blocking, Bracing, Nailing, Backing, Diaphr., Draft Stops	5-23-88	RL
INSULATION: Thickness, R Values, Piping, Sound Caulking		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links,		
INTERIOR LATH, DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH, SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing	5-23-88	RL
FINAL INSPECTION: Finish Grading, Certif., Slope, Plant, Energy Comp. Card Posted, Pks. Access, Fire Lanes, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, PI. Engr., Cert.	9/14/92	L

SWIMMING POOL/SPA

EXCAV., REINF., SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge, Spa Ident.		
FENCE, GATES: [illegible] Closers, Accessibility, Latches, Stability		
FINAL INSPECTION: Pool Cover		

MISCELLANEOUS

SPRAY PAINT BOOTH		
PLASTERING		
[illegible]		
[illegible]		
[illegible]

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW ROUTE

Lot. N.: Block: Tract:

Owner: AMERON

Mailing Address: P.O. BOX 8

City: ETIWANDA Zip: 91739 Tel: 899 1723

Contractor: KENT ELECTRIC CO

Address: 1631 INDUSTRY AVE

City: FONTANA Zip: 92335 Tel: 829 7966

State Lic & Class: C10 305570 City Lic No: PENDING

LICENSED CONTRACTOR'S DECLARATION

☑ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project

○ I am exempt under Sec. ____ B & P.C. for the reason: ____

Date ____ Owner ____

WORKERS COMPENSATION DECLARATION

☑ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. COOO753106 Company Calif. Casualty

○ Copy is filed with the city ○ Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 9/9/87

Mailing Address ____

City, State, Zip ____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
2	Outlets (Receptacles, Lights, Switches)	100
	Fixtures	
	Motors (HP ea. ~~+ 3/4 HP~~)	
	Other (Specify BOILER, 120 V)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg @	
	Plan Chk. Fee / Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	8 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			WAIVED

TOTAL ELEC., MECH., PLMBG. FEES 8 00

Processed By: [signature] Spec. Cond.:

Permit No. 87-12499 Validation: SM Date: 9-9-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECO			INSPECTOR NOTES
ELECTRICAL — UNDERGROUND CONDUIT			
ROUGH WIRING	3-23-92	RLe	
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.	9/14/92	Q	
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
MECHANICAL — U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
PLUMBING — U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
SWIM POOL / SPA — BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY [redacted]ION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	12459 ARROW, PO BOX 325		
City	ETIWANDA	Zip 91739	Tel 987-2521
Contractor	OWNER/METRO STEEL BLDG'S		
Address	1520 W ROOSEVELT ST.		
City	AZUSA	Zip 91702	Tel 818 334-5121
State Lic. & Classif.	147878 B1	City Lic. No.	
Arch., Engr. Designer	RICHARD O. PARRY		
Address	220 F S. INDIAN HILL BLVD		Tel 714 626-8005
City	CLAREMONT	Zip 91711	State Lic. No. 14342
Proposed Construction	2-BAY ADDITION TO EXISTING STEEL BLDG.		
Sq. Ft. Size	3570	No Stories 1	No Dw. Units
New ☐	Add. ☒	Alter ☐	Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
Approved Plan. Div.	ALL 2-27-86	Approved Eng. Div. 3/10/86	Approved Fire Dist.

Special Conditions: EXTERIOR FINISH TO MATCH EXISTING PORTION OF BLDG.

VALUATION: $

FEES		
PLAN CHECK		
PERMIT	343	00
DRAINAGE		
SYSTEMS		
BEAUTIF.		
PARK		
OTHER		
Processed	School Fee Pmt. Verified	TOTAL 343 00

Permit No. 860235 Validation [redacted] Date 10-15-86

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 2/20/86 Owner TAMCO BY [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 2015 00-053498 Company WAUSAU

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant TAMCO [signature] Date 2/20/86

Mailing Address PO BOX 325

City, State, Zip ETIWANDA, CA 91739

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	3-23-00	RL
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.	3-23-00	RL
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING Mesh, Fasteners, Laps, Paper, Thickness, Backing.	3-23-00	RL.
FINAL INSPECTION Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/14/92	L
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sfl., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES Height, Closers, Accessibility, Latches, Stability		
FINAL INSPECTION Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH		
RETAINING WALL		
DUST COLLECTION SYSTEM		
VENEER		
RE ROOF		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW ROUTE

Lot No | Block | Tract

Owner: TAMCO

Mailing Address: 12459 ARROW ROUTE

City: ETIWANDA CA | Zip | Tel

Contractor: ADVANCE MECHANICAL CONTRACTORS INC

Address: 1456 E. HILL ST.

City: LONG BEACH CA | Zip: 90806 | Tel: (213) 426-1725

State Lic & Class: 262042 A,C-36 | City Lic No: pending

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____ B & P.C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code)

Policy No. 4C-03746-86-4 Company USF+G

○ Copy is filed with the city ☒ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Bart Bartolomei Date: 3-5-87

Mailing Address: SAME

City, State, Zip: _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size .....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. ..... @	
	Sq. Ft. Area New Res. Accessory Bldg ..... @	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	3	Gas System (No. Outlets 1)	10 50
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	7 00
	TOTAL PLUMBING FEES			17 50

TOTAL ELEC., MECH., PLMBG. FEES 17 50

Processed By: RM | Spec. Cond.

Permit No. 87-3369 | Validation: OK | Date: 3-5-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION REC		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services	9/14/92	B
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent, Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

GASLINE GOING FROM HIGH PRESSURE TO LOW PRESSURE W/2 VAULTS FOR REGULATORS. O.K. TO COVER GAS LINE TO THE VAULTS (LINE 4' DEEP) CS 3/1/93

SEWER/PRIV. DISP. SYSTEM DIAGRAM

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY D[redacted]ON

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

Building Address: 12454 ARROW HWY

Lot No. | Block | Tract

Owner: TAMCO

Mailing Address: 12454 ARROW HWY

City: RANCHO CUCA | Zip: 91730 | Tel: 987-2521

Contractor: B+A CONSTRUCTION

Address: 10747 FREMONT

City: ONTARIO | Zip: 91761 | Tel: 714 623-2427

State Lic & Class: 504541 A | City Lic No: 3601

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. C2713680 3 Company PACIFIC EMP. INS.

⊗ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [redacted] Date 11/2/87

Mailing Address 10747 FREMONT AVE.

City, State, Zip ONTARIO, CALIF. 91761

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks /		Sewer Conn.	10 00
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee Check	17 00
	TOTAL PLUMBING FEES			17 00

TOTAL ELEC., MECH., PLMBG. FEES 17 00

Processed By: T Patel | Spec. Cond.

Permit No. 87-14748 | Validation: 19K | Date: 11-4-87

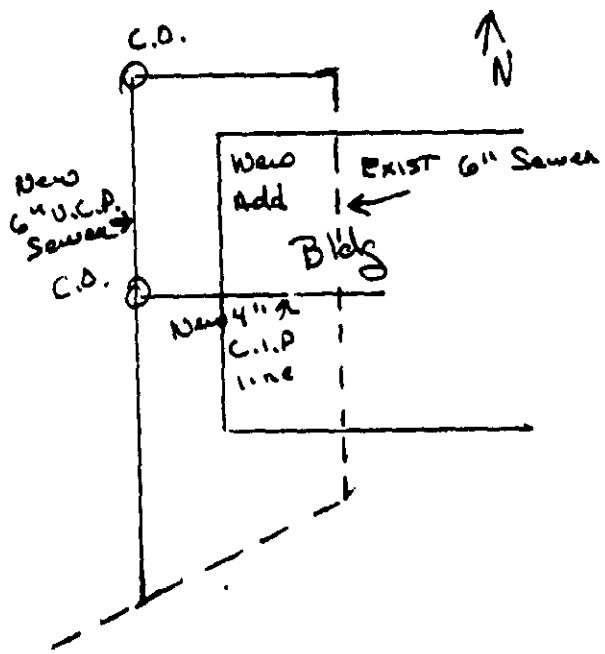
This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REQUIRED	DATE	INSP. SIGN.
	UNDERGROUND CONDUIT		
	ROUGH WIRING		
	NEW SERVICE		
	FIXTURES		
	FINAL ELEC. INSP.		
	TEMP. POWER POLE		
	OTHER		
	OTHER		
	ELEC. UTILITY CLRNCE.		
	U. G. DUCTS/REFRIG. LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs		
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports		
PLUMBING	RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
PLUMBING	GAS TEST		
PLUMBING	FINAL PLMBG. Fixtures, Valves, Services	9/14/92	
PLUMBING	WATER HTR. Vent, Valves, Press, Rel. Valve		
PLUMBING	SEWER/PRIV. DISP. SYSTEM	11 5 87 ZM	
PLUMBING	OTHER + CAST BLG DRAIN		
PLUMBING	OTHER		
PLUMBING	GAS UTILITY CLRNCE.		
SWIM POOL / SPA	BONDING		
SWIM POOL / SPA	U.G. CONDUIT		
SWIM POOL / SPA	GAS PIPING Material, Depth		
SWIM POOL / SPA	GAS TEST		
SWIM POOL / SPA	HEATER Vent, Clearance, Location, Shut-off		
SWIM POOL / SPA	FINAL POOL ELEC.		
SWIM POOL / SPA	FINAL POOL PLMBG.		
SWIM POOL / SPA	OTHER		

INSPECTOR NOTES

SEWER/PRIV. DISP. SYSTEM DIAGRAM



BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : ~~12451~~ 12459 ARROW RTE

PERMIT NO. : PMT2005-05946

VALUATION :

ISSUED : November 29, 2005

PROJECT DESCRIPTION : TEAR OFF EXISTING COMP AND REPLACE WITH 50 SQ OF SAME

Owner
CMC STEEL FABRICATORS INC
PO BOX 2219
RANCHO CUCAMONGA, CA 91729-2219

Telephone :

Contractor
HULL & SONS ROOFING
8960 JURUPA
RIVERSIDE, CA 92509

Telephone : 909-685-9499

License No.
CON554747 C29

Description	Const. Type	Units
Re-Roofing (Composition)		50

Work Covered
BLD : Y ELE :
MEC : PLM :
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINAL 2/28/06 DD

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Misc. Inspection Fee 2	BS3	1086	$85.61
Permit Fee:			**$85.61**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11/29/05

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code, and my license is in full force and effect

License Class: C39 Lic. No. 554797

Date 11/29/05 Contractor _____

****

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the following reason :

_____

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. ____, B.& P.C. for this reason:

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

☐ Carrier _____ Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued.

LENDERS NAME _____ LENDERS ADDRESS _____

City of Rancho Cucamonga, Building & Safety handouts are intended to provide certain general information regarding minimum, approved City code standards and/or structural engineering requirements typical of construction authorized by the permit referenced on the reverse. No warranty, expressed or implied, is made as to the adequacy of the information included in the handout for use on a particular construction project.

The user of the attached handout may want to seek professional advice or opinion from engineers, architects and/or experienced contractors regarding quality controls, construction techniques and methods, and performance standards for the project.

I HEREBY ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THE FOREGOING.

PLEASE INITIAL _____

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE INFORMATION IS CORRECT. I AGREE TO COMPLY WITH ALL CITY AND COUNTY ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION, AND HEREBY AUTHORIZE REPRESENTATIVES OF THIS COUNTY TO ENTER UPON THE ABOVE-MENTIONED PROPERTY FOR INSPECTION PURPOSES.

_____ 11/29/05

SIGNATURE OF APPLICANT OR AGENT **DATE**

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? YES NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? YES NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? YES NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? YES NO
5. Will the facility have any of the following equipment? YES NO

Charbroiler	Dry Cleaning machine
Spray Booth	Printing press
Internal combustion engine > 50 h.p.	Boiler/combustion equipment >2 Mil BTU/hr input
Abrasive blasting cabinet / room	Baghouse / cartridge-type dust filter / scrubber
Motor fuel storage and disposing equipment	

6. Will any of the following operations be performed? YES NO

Applications of paint or adhesives.	Etching, plating, casting, or melting of metals.
Molding, extruding or curing of plastics.	Mixing and blending of liquids and/or powders
Storage of acids, solvents, organic liquids, or fuels.	Production of fumes, dust smoke or strong odors.

YES answers any of items 1 – 4, please contact San Bernardino County Environmental Health 909/386-8430

YES answers to items 5 or 6, please contact South Coast Air Quality Management District 800/388-2121

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 ARROW | **PERMIT NO. : PMT2008-01093**

APN NUMBER : 022912135-0000 ISSUED : June 23, 2008

PROJECT DESCRIPTION : 60'X90' DETACHED STEEL CANOPY STRUCTURE & FOUNDATION TO HOUSE MECHANICAL EQUIPMENT

Owner
CMC STEEL FABRICATORS INC
PO BOX 2219
RANCHO CUCAMONGA, CA 91729-2219

Telephone :

Contractor
FRIZE CORPORATION
16605 GALE AVENUE
CITY OF INDUSTRY, CA 91745

Telephone : (626)369-6088

License No.
CON483209 B HIC

Description	Const. Type	Units
Awning		1

Work Covered
BLD : Y ELE :
MEC : Y PLM :
FIR :

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Misc. Inspection Fee 2	BS2	1086	$1,030.16
F-Microfilm	MAF	4546	$18.00
Permit Fee:			**$1,048.16**

PERMIT EXPIRED

NO WORK DONE IN LAST 180 DAYS

Permit Holder Notified ___/___/___

Sign _____ Date ___/___/___

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 6/23/08

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF RANCHO CUCAMONGA

SITE ADDRESS : 12459 ARROW RTE | **PERMIT NO. : PMT2008-01935**

APN NUMBER : 022912135-0000 ISSUED : July 14, 2008

PROJECT DESCRIPTION : INSTALLATION OF TEMPORARY SALES TRAILER & ELECTRICAL (NORTH OF OFFICE BUILDING)

Owner
TAMCO STEEL
12459-B ARROW ROUTE
P O BOX 325
RANCHO CUCAMONGA, CA 91739
Telephone :

Contractor
TURN KEY ELECTRIC, INC.
8960 TORONTO
RANCHO CUCAMONGA, CA 91730

Telephone : (909) 987-0015

License No.
CON758638 C10

Description	Const. Type	Units
Commercial Coach (per unit)		1

Work Covered
BLD : N ELE : Y
MEC : N PLM : N
FIR : N

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty
Service/Sub Panels Each	1
Motor, Generator, Transformer	1
Miscellanous Apparatus, Conduits, and Conductors	1

Fees

Type	By	T.C.	Amount
ELE Issuance Fee	BS2	1079	$28.66
ELE Inspection Fee	BS2	1079	$85.97
Misc. Plan Review Fee 1 (46%)	BS2	1083	$131.59
Misc. Inspection Fee 1 (54%)	BS2	1086	$154.47
Permit Fee:			**$400.69**

Final
8/1/08

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 7/14/08

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DEPARTMENT COPY

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: C10 Lic. No. 758638

Date 7/14/08 Contractor [signature]

****

OWNER-BUILDER DECLARATION

☐ I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the following reason :

_____

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. ___, B.& P.C. for this reason:

_____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

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☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

☐ Carrier _____ Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 7/14/08 Applicant: [signature]

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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The user of the attached handout may want to seek professional advice or opinion from engineers, architects and/or experienced contractors regarding quality controls, construction techniques and methods, and performance standards for the project.

I HEREBY ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THE FOREGOING.

PLEASE INITIAL _____

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE INFORMATION IS CORRECT. I AGREE TO COMPLY WITH ALL CITY AND COUNTY ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION, AND HEREBY AUTHORIZE REPRESENTATIVES OF THIS COUNTY TO ENTER UPON THE ABOVE-MENTIONED PROPERTY FOR INSPECTION PURPOSES.

[signature] 7/14/08

SIGNATURE OF APPLICANT OR AGENT **DATE**

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? YES NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? YES NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? YES NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? YES NO
5. Will the facility have any of the following equipment? YES NO
   - Charbroiler
   - Spray Booth
   - Internal combustion engine > 50 h.p.
   - Abrasive blasting cabinet / room
   - Motor fuel storage and disposing equipment
   - Dry Cleaning machine
   - Printing press
   - Boiler/combustion equipment >2 Mil BTU/hr input
   - Baghouse / cartridge-type dust filter / scrubber
6. Will any of the following operations be performed? YES NO
   - Applications of paint or adhesives.
   - Molding, extruding or curing of plastics.
   - Storage of acids, solvents, organic liquids, or fuels.
   - Etching, plating, casting, or melting of metals.
   - Mixing and blending of liquids and/or powders
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1 – 4, please contact San Bernardino County Environmental Health 909/386-8430

YES answers to items 5 or 6, please contact South Coast Air Quality Management District 800/388-2121

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2010-01497**

APN NUMBER : 022913119-0000 ISSUED : July 28, 2010

PROJECT DESCRIPTION : 4,159 SQ FT TENANT IMPROVEMENT - THREE MELT SHOP ENVIRONMENTAL ENCLOSURES (TAMCO STEEL)

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
FRIZE CORPORATION
16605 GALE AVENUE
CITY OF INDUSTRY, CA 91745

Telephone : 626 786-9205

License No.
CON483209 B HIC
WORK4503-107

Description	Const. Type	Units
Partition-Commercial, Interior		9

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR : N

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Misc. Inspection Fee 1 (54%)	BS1	1086	$159.57
Permit Fee:			**$159.57**

PERMIT EXPIRED
NO WORK DONE IN LAST 150 DAYS
Permit Holder Notified __/__/__
Sign _____ Date __/__/__

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent [signature] Date 7/28/2010

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' Stete License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: B License No: 483209 Date: 7/28/10

Contractor Signature: [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
Policy No. _____

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

California Contractors | 4503-107 | 12/31/10
Carrier: | Policy Number: | Expire Date:

Jerry Austin | 800-592-0047
Name of Agent: | Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

[signature] 7/28/2010
Signature of Applicant: | Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or redioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

[signature] 7/28/2010
Signature of Owner, Authorized Agent or CA licensed contractor: | Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO : PMT2011-00158**

APN NUMBER : 022913119-0000 ISSUED : January 25, 2011

PROJECT DESCRIPTION : Electrical for T/I work at Tamco Steel (see pmt2010-01497) - lights and wiring for door motors

Owner

Telephone :

Contractor
COMMERCIAL ELECTRIC SYSTEMS, INC
1160 N VAN HORNE WY
ANAHEIM, CA 92806
Telephone : 714-890-0578 cell

License No.
CON795690

Description	Const. Type	Units

Work Covered
BLD : N ELE : Y
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINALED 4/13/12 mem

Electrical Fixtures

Fixture Type	Qty
Miscellanous Apparatus, Conduits, and Conductors	1
Fixture Device-Standard	12
Service/Sub Panels Each	3

Fees

Type	By	T.C.	Amount
ELE Issuance Fee	PAW	1079	$29.61
ELE Inspection Fee	PAW	1079	$148.02
ELE Plan Review Fee	PAW	1084	$57.32
Permit Fee:			**$234.95**

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-25-2011

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2012-02352**

APN NUMBER : 022913119-0000 ISSUED : September 13, 2012

PROJECT DESCRIPTION : CONSTRUCT 30 FT ANTENNA POLE, CABLE CONDUIT INFRASTRUCTURE, EXTERIOR UPS AND STRUCTURAL FOUNDATION FOR "GERDAU"

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
KENT ELECTRIC
11631 INDUSTRY
FONTANA, CA 92337

Telephone : 951-681-2910

License No.
CON305570(B,C-10)

Description	Const. Type	Units
Lighting Pole		1

Work Covered
BLD : Y ELE : Y
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

C-10 PPL 10-1-12

Electrical Fixtures

Fixture Type	Qty
Service/Sub Panels Each	1
Outlet, Switch, etc.	3
Fixture Device-Standard	3
Motor, Generator, Transformer	2

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
ELE Issuance Fee	BS3	1079	$29.61
ELE Inspection Fee	BS3	1079	$148.02
Misc. Inspection Fee 2	BS3	1086	$118.63
Permit Fee:			**$296.26**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & stata laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 9/13/12

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: B C10 License No.: 305570 Date: 9/13/12

Contractor Signature: _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☑ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

EVEREST 7600007892111 10/1/12
Carrier: Policy Number: Expire Date:

CROSBY IWS 714-221-5200
Name of Agent: Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 9/13/12
Signature of Applicant: Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

_____ 9/13/12
Signature of Owner, Authorized Agent or CA licensed contractor: Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 ARROW RTE | **PERMIT NO. : PMT2012-02492**

APN NUMBER : 022913119-0000 ISSUED : January 16, 2013

PROJECT DESCRIPTION : ROUGH GRADING- 1129 CUT / 47 FILL FOR "GERDAU"

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
NOVI ENVIRONMENTAL INC
31879 CORYDON RD
SUITE 140
LAKE ELSINORE, CA 92530
Telephone : (951) 471-2033

License No.
CON711904

Description	Const. Type	Units
Rough Grading (Cut & Fill)		1,176

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINAL
PG
3-19-14

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Grading Inspection Fee (35%)	BS1	1082	$343.64
Permit Fee:			**$343.64**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

Date: _____

Signature of Property Owner or Authorized Agent: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: A License No.: 711906 Date: 1/16/13

Contractor Signature: _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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Policy No. _____

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

United agencies 7600006906121- 2/14/13

Carrier: Policy Number: Expire Date:

T. Bruno 626-322 8359

Name of Agent: Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Signature of Applicant: _____ Date: 1/16/13

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
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5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed contractor: _____ Date: _____

PMT2013-01044

TRACK TO MAST

LAND DEVELOPMENT DESIGN COMPANY, LLC

JN5038

March 14, 2013

City of Rancho Cucamonga
Building and Safety Department
P.O. Box 807
Rancho Cucamonga, CA 91730

Attn: Building and Safety Official

RE: Grading permit No. PMT 2012-02492
Address: 12459 Arrow Route
Parcel Map 7847 parcels 1-3, inclusive

I hereby approve the final grading for the referenced project in accordance with the responsibilities as defined in Appendix J of the latest California Building Code and as amended by the current adopting ordinance. Final grading has been completed substantially in conformance with the approved grading plan wich includes: completion of all engineered drainage devices and retaining walls, setting of all monuments and lot corners in accordance with the recorded tract map, location and inclination of all manufactured slopes, and construction of earthen berms and positive building pad drainage.

All structures including fences and walls constructed on property corners, property lines or elsewhere have been located in compliance with the approved plot plan or precise grading plan as applicable. All required and approved changes are as shown in the attachments and will be included in the "As-Built" grading plan.

Sincerely,

Kevin J. Richer
R.C.E. 43714, Lic. Exp. 3/31/15

REGISTERED PROFESSIONAL ENGINEER
KEVIN J. RICHER
No. 43714
LIC. EXP. 3/31/15
CIVIL
STATE OF CALIFORNIA

CITY OF RANCHO CUCAMONGA
BUILDING & SAFETY DEPARTMENT
APPROVED
By _____ Date 3/26/13

PLANNING **CIVIL** **SURVEYING**
2313 E. PHILADELPHIA ST., UNIT F • ONTARIO, CA 91761 • BUSINESS (909)930-1466 • FAX (909)930-1468

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 ARROW RTE | **PERMIT NO. : PMT2014-00457**

APN NUMBER : 022913119-0000 ISSUED : March 13, 2014

PROJECT DESCRIPTION : EGRESS LIGHTING IN WAREHOUSE

Owner
GERDAU AMERISTEEL
12459-B ARROW RTE
RANCHO CUCAMONGA, CA 91739

Telephone :

Contractor
ELECTRICAL WORK INC
20481 VIA PALO PINTO
MURRIETA, CA 92562

Telephone : (951) 698-7758

License No.
CON750259

Description	Const. Type	Units

Work Covered
BLD : ELE : C
MEC : PLM :
FIR :

Const. Types

Occupancy Groups

Case Notes :

FINAL
BR 3-27-14

Electrical Fixtures

Fixture Type	Qty
Lighting Fixtures	7

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS1	1078	$2.85
ELE Inspection Fee	BS1	1079	$63.44
Permit Fee:			**$66.29**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/13/14

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: C10 License No.: 750259 Date: 3/13/14

Contractor Signature: _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Wesco WWC 3068680 10/1/14

Carrier: Policy Number: Expire Date:

Pittman Inv. 949 455 1866

Name of Agent: Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 3/13/14

Signature of Applicant: Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

_____ 3/13/14

Signature of Owner, Authorized Agent or CA licensed contractor: Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2013-00211**

APN NUMBER : 022913119-0000

ISSUED : May 07, 2013

PROJECT DESCRIPTION : 168SF CONVERT EXISTING OFFICE INTO WOMENS DRESSING ROOM ~ GERDAU

Owner
GERDAU AMERISTEEL
12459-B ARROW RTE
RANCHO CUCAMONGA, CA 91739

Telephone : 909 646-7833

Contractor | **License No.**

Telephone :

Description	Const. Type	Units
Occupancy-Tenant Improvements		168

Work Covered
BLD : Y ELE : Y
MEC : PLM : Y
FIR :

Const. Types
VB

Occupancy Groups
B

Case Notes :

PR 12/1/14

Electrical Fixtures

Fixture Type	Qty
Receptacle, Switch, & Lighting Outlets >= 25 amp	5
Lighting Fixtures	13

Mechanical Equipment

Equipment Type	Qty
Ventilation Fan	2

Plumbing Equipment

Equipment Type	Qty
Plumbing Fixture(each)	6

Fees

Type	By	T.C.	Amount
Inspection Fee (43%)	BS2	1086	$385.31
SMIP Fee	BS2	1096	$22.41
SB1473	BS2	1473	$1.02
Permit Fee:			**$408.74**

NC

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 5/7/13

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☒ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

Date: 5/7/13

X _____

Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class:_____ License No.:_____ Date:_____

Contractor Signature:_____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

_____ _____ _____

Carrier: Policy Number: Expire Date:

_____ _____

Name of Agent: Phone Number:

☒ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 5/7/13

Signature of Applicant: Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

   Char Broiler
   Spray booth
   Internal combustion engine>50 hp
   Abrasive blasting cabinet/room
   Motor fuel storage and disposing equipment
   Dry cleaning machine
   Printing press
   Boiler/combustion equipment>2 Mil BTU/ hr input
   Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

   Applications of paint or adhesives,
   Molding, extruding or curing of plastics,
   Storage of acids, solvents, organic liquids, or fuels,
   Etching, plating, casting, or melting of metals,
   Mixing and blending of liquids and/or powders,
   Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

_____ 5/8/13

Signature of Owner, Authorized Agent or CA licensed contractor: Date:

Mayor L. DENNIS MICHAEL • *Mayor Pro Tem* SAM SPAGNOLO
Council Members WILLIAM J. ALEXANDER, CHUCK BUQUET, DIANE WILLIAMS
City Manager JOHN R. GILLISON

THE CITY OF RANCHO CUCAMONGA

NOTICE TO PROPERTY OWNER

Dear Property Owner:

An applicant for a building permit has been submitted in your name listing you as the builder of the property improvements specified at 12459-B ARROW ROUTE.

We are providing you with an Owner-Builder Acknowledgment and Information Verification Form to make you aware of your responsibilities and possible risk you may incur by having this permit issued in your name as the Owner-Builder.

We will not issue a building permit until you have read, initialed your understanding of each provision, signed and returned this form to us at our official address indicated. An agent of the owner cannot execute this notice unless you, the property owner, obtain the prior approval of the permitting authority.

OWNER'S ACKNOWLEDGMENT AND VERIFICATION OF INFORMATION

DIRECTIONS: Read and initial each statement below to signify you understand or verify this information.

1. I understand a frequent practice of unlicensed persons is to have the property owner obtain an "Owner-Builder" building permit that erroneously implies that the property owner is providing his or her own labor and material personally. I, as an Owner-Builder, may be held liable and subject to serious financial risk for any injuries sustained by an unlicensed person and his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an Owner-Builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

2. I understand building permits are not required to be signed by property owners unless they are *responsible* for the construction and are not hiring a licensed Contractor to assume this responsibility.

3. I understand as an "Owner-Builder" I am the responsible party of record on the permit. I understand that I may protect myself from potential financial risk by hiring a licensed Contractor and having the permit filed in his or her name instead of my own.

4. I understand Contractors are required by law to be licensed and bonded in California and to list their license numbers on permits and contracts.

Mayor L. DENNIS MICHAEL • *Mayor Pro Tem* SAM SPAGNOLO
Council Members WILLIAM J. ALEXANDER, CHUCK BUQUET, DIANE WILLIAMS
City Manager JOHN R. GILLISON

THE CITY OF RANCHO CUCAMONGA

5. I understand if I employ or otherwise engage any persons other than California licensed Constructors, and the total value of my construction is at least five hundred dollars ($500.00), including labor and materials, I may be considered an "employer" under state and federal law.

6. I understand if I am considered an "employer" under state and federal law, I must register with the state and federal government, withhold payroll taxes, provide workers' compensation disability insurance, and contribute to unemployment compensation for each "employee". I also understand my failure to abide by these laws may subject me to serious financial risk.

7. I understand under California Contractors' State License Law, an Owner-Builder who builds single-family residential structures cannot legally build them with the intent to offer them for sale, unless *all* work is performed by licensed subcontractors and the number of structures does not exceed four within any calendar year, or all of the work is performed under contract with a licensed general building Contractor.

8. I understand as an Owner-Builder, if I sell the property for which this permit is issued, I may be held liable for any financial or personal injuries sustained by any subsequent owner(s) that result from any latent construction defects in the workmanship or materials.

9. I understand I may obtain more information regarding my obligations as an "employer" from the Internal Revenue Service, the United States Small Business Administration, the California Department of Benefit Payments, and the California Division of Industrial Accidents. I also understand I may contact the California Division of Industrial Accidents. I also understand I may contact the California Contractors' State License Board (CSLB) at 1-800-321-CSLB (2752) or www.cslb.ca.gov for more information about licensed contractors.

10. I am aware of and consent to an Owner-Builder building permit applied for in my name, and understand that I am the party legally and financially responsible for proposed construction activity at the following address:

11. I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern Owner-Builder as well as employers.

12. I agree to notify the issuer of this form immediately of any additions, deletions, or changes to any of the information I have provided on this form.

Licensed contractors are regulated by laws designed to protect the public. If you contract with someone who does not have a license, the Contractors' State License Board may be unable to assist you with any financial loss you may sustain as a result of a complaint. Your only remedy against unlicensed Contractors may be in civil court. It is also important for you to understand that if an unlicensed Contractor or employee of that individual or firm is injured while working on

Mayor L. DENNIS MICHAEL • *Mayor Pro Tem* SAM SPAGNOLO
Council Members WILLIAM J. ALEXANDER, CHUCK BUQUET, DIANE WILLIAMS
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THE CITY OF RANCHO CUCAMONGA

your property, you may be held liable for damages. If you obtain a permits as Owner-Builder and wish to hire Contractors, you will be responsible for verifying whether or not those Contractors are properly licensed and the status of their workers' compensation insurance coverage.

Before a building permit can be issued, this form must be completed and signed by the property owner and returned to the agency responsible for issuing the permit.

Note: Verification of the property owner's signature is required prior to the issuance of a permit. Please provide either a copy of the property owner's official driver's license or have this form notarized prior to submitting your request.

Signature of property owner J Mahendra Date: 5/7/13

OFFICE USE ONLY

☐ Property owner obtained permit. Owner's identification has been verified

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2013-04073**

APN NUMBER : 022913119-0000 ISSUED : February 13, 2014

PROJECT DESCRIPTION : CONCRETE BASINS FOR ADDITION OF NEW COOLING TOWERS #'S 3 AND 6 - GERDAU

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
RAMCON INDUSTRIAL CORPORATION
1215 W. 225TH STREET
TORRANCE, CA 90503
Telephone : (310)212-6378

License No.
CON703711 B,HIC

Description	Const. Type	Units

Work Covered
BLD : Y ELE : Y
MEC : N PLM : N
FIR : N

Const. Types

Occupancy Groups

Case Notes :

Electrical Fixtures

Fixture Type	Qty
Miscellanous Apparatus, Conduits, and Conductors	2

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS1	1078	$17.13
Misc. Inspection Fee 2	BS1	1086	$380.67
Permit Fee:			**$397.80**

PERMIT EXPIRED
NO WORK DONE IN LAST 180 DAYS
Permit Holder Notified __/__/__
Sign _____ Date __/__/__

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-13-14

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: A,B License No.: 827811 Date: 2-13-14

Contractor Signature: [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
Policy No. _____

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

State fund | 9077138-13 | 11-4-14
Carrier: | Policy Number: | Expire Date:

Robyn Mac | 9077138-13
Name of Agent: | Phone Number: 626-359 6626

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

[signature] | 2-13-14
Signature of Applicant: | Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or coring of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (☒) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

[signature] | 2-13-14
Signature of Owner, Authorized Agent or CA licensed contractor: | Date:

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2014-00349**

APN NUMBER : 022913119-0000 ISSUED : February 27, 2014

PROJECT DESCRIPTION : RE-NEW EXPIRED PERMIT (PMT2012-01992) STORAGE RACKS FOR GERDAU AMERISTEEL

Owner

Telephone :

Contractor
THE ALLIANCE GROUP
COMMERCIAL CONST
8780 19TH
#163
RANCHO CUCAMONGA, CA 91701
Telephone 909 222-7822

License No.
WORK0010961-2010
LIABMGL0170609
BUS054281
CON719051B

Description	Const. Type	Units
Storage Racks - 6-10' high		1

Work Covered
BLD : C ELE : N
MEC : N PLM : N
FIR : C

Const. Types

Occupancy Groups

Case Notes :

FINALED
3/31/14
PAR

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Technology Fee - B & S	BS1	1078	$9.51
Misc. Inspection Fee 1 (54%)	BS1	1086	$211.27
Permit Fee:			**$220.78**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 3/27/14

This is a permit when properly completed, and signed, and is subject to expiration if work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

_____
Date:

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: B License No.: 719051 Date: 2/27/14

Contractor Signature: _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

_____ _____ _____
Carrier: Policy Number: Expire Date:

_____ _____
Name of Agent: Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 2/27/14
Signature of Applicant: Date:

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting. or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

_____ 2/27/14
Signature of Owner, Authorized Agent or CA licensed contractor: Date:

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE B **Record Number: PMT2014-03045**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: Private Fire Underground Service Line ~ GERDAU

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
SHAWNEE CONSTRUCTION CO 665668
P O BOX 1166
909-393-5271

Fees

Type	Amount
Technology Fee	$28.98
Inspection Fee (43%)	$276.91
Plan Review Fee (57%)	$279.94
Plan Review Fee (57%)	$87.12
Plan Check Fee	$185.97
Inspection Fee (43%)	$0.00
Plan Review Fee (57%)	$0.00
Permit Fee:	**$858.92**

Fire Alarm Detail

Fixture Type	Qty

Fire Miscellaneous Detail

Fixture Type	Qty

Fire Underground Detail

Fixture Type	Qty
Hydrants/Underground Fire Service	1
Hydraulic Calculations	1

PERMIT EXPIRED
NO WORK DONE IN LAST 150 DAYS
Permit Holder Notified ___/___/___
Sign _____ Date ___/___/___

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason: _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665868

Date: 11-3-14 Contractor Signature [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier	Policy Number	Expire Date
STATE	9078369	11-7-14

Name of Agent: BOB LOCKWOOD — Phone Number: 909-393-5271

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

[signature] 11-3-14

Signature of Applicant — Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am (_) a California licensed contractor or (_) the property owner or (_) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-04715**

Parcel #: 022913124-0000 Lot: Issued Date: 02/19/2015
Tract: Phase: Parcel Area:
Project Description: Pallet storage racks for Tree Island Wire

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
EAGLE MATERIAL HANDLING CO INC 371906
4436 WORTH ST
3232271921

Fees

Type	Amount
MISC Technology Fee	$35.88
MISC Plan Check Fee	$342.86
MISC Inspection Fee	$454.49
Permit Fee:	**$833.23**

TYPES OF WORK

Type	Quantity
Storage Racks	1

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-19-15

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do ( ) all of or ( ) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
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By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-61 License No. 371906

Date: 2-19-15 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

- ☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE Co. _____ _____

Carrier Policy Number Expire Date

State Comp - 904993 82014 626-1FC-105

Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ _____

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? ( ) YES ( ) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? ( ) YES ( ) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? ( ) YES ( ) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? ( ) YES ( ) NO
5. Will the facility have any of the following equipment? ( ) YES ( ) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.
By my signature below, I certify to each of the following:
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I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name _____

Date 2-19-15

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03049**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: Private Underground Fire Service ~ Tree Island

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
SHAWNEE CONSTRUCTION CO 665668
P O BOX 1166
909-393-5271

Fees

Type	Amount
Technology Fee	$27.92
Inspection Fee (43%)	$211.18
Plan Review Fee (57%)	$279.94
Hourly Fee	$129.30
Inspection Fee (43%)	$0.00
Plan Review Fee (57%)	$0.00
Permit Fee:	**$648.34**

Fire Alarm Detail

Fixture Type	Qty

Fire Miscellaneous Detail

Fixture Type	Qty

Fire Underground Detail

Fixture Type	Qty
Hydrants/Underground Fire Service	1

FINALED 7/8/15 MAF

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do ( ) all of or ( ) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
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- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665662

Date 11-3-14 Contractor Signature [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

  STATE 9078349 11-7-14
  Carrier Policy Number Expire Date

  [signature] BOB LOCKWOOD 909-393-5271
  Name of Agent Phone Number
- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

  [signature] 11-3-14
  Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? ( ) YES ( ) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? ( ) YES ( ) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? ( ) YES ( ) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? ( ) YES ( ) NO
5. Will the facility have any of the following equipment? ( ) YES ( ) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am ( ) a California licensed contractor or ( ) the property owner or ( ) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2015-03905**

Parcel #: 022913124-0000 Lot: Issued Date: 01/25/2016
Tract: Phase: Parcel Area:
Project Description: Precise Grading for Tree Island Wire (USA), Inc.

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor
MIKE ZARP INC
PO BOX 6370
909-946-7017

License No.
677137

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Technology Fee	$11.64
Hourly Plan Review Fee	$258.60
Inspection Fee	$174.54
Inspection Fee	$84.06
Technology Fee	$3.78
Permit Fee:	**$532.62**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use
Precise Grading

Plumbing Equipment

Equipment Type	Qty

FINALED
4/5/16
CWL

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 1-25-16

Printed: 1/25/2016

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason: _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-12 License No. 677137

Date: 1-25-16 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

- ☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Travelers Ins.	3F98171-6-16	1/1/17
Carrier	Policy Number	Expire Date
GMGS Risk Management		949-559-6700
Name of Agent		Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 1-25-16

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substence in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name _____

Date 1-25-16

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03048**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: On-site Sewer & Water ~ Tree Island

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor	License No.
SHAWNEE CONSTRUCTION CO P O BOX 1166 909-393-5271	665668

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Technology Fee	$11.64
Plan Check Fee	$147.40
Inspection Fee	$111.20
Permit Fee:	**$270.24**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use	Quantity
Water and Sewer (retail, commercial, and industrial)	1

Plumbing Equipment

Equipment Type	Qty

FINALED
4/5/16
CWL

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
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By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site:
<http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665666

Date: 11-3-14 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE 9078369 11-7-14
Carrier Policy Number Expire Date

BOB LOCKWOOD 909-3935271
Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 11-3-14
Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
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I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-04715**

Parcel #: 022913124-0000 Lot: Issued Date: 02/19/2015
Tract: Phase: Parcel Area:
Project Description: Pallet storage racks for Tree Island Wire

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
EAGLE MATERIAL HANDLING CO INC 371906
4436 WORTH ST
3232271921

Fees

Type	Amount
MISC Technology Fee	$35.88
MISC Plan Check Fee	$342.86
MISC Inspection Fee	$454.49
Permit Fee:	**$833.23**

TYPES OF WORK

Type	Quantity
Storage Racks	1

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 2-19-15

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do ( ) all of or ( ) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
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- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-61 License No. 371906

Date: 2-19-15 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

- ☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE Co. _____ _____

Carrier Policy Number Expire Date

State Comp - 904993 82014 626-1FC-105

Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ _____

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? ( ) YES ( ) NO
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3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? ( ) YES ( ) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? ( ) YES ( ) NO
5. Will the facility have any of the following equipment? ( ) YES ( ) NO

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Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

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Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.
By my signature below, I certify to each of the following:
I am (__) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name _____

Date 2-19-15

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03044**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: Private Fire Underground ~ Tree Island & Gerdau

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
SHAWNEE CONSTRUCTION CO 665668
P O BOX 1166
909-393-5271

Fees

Type	Amount
Technology Fee	$44.20
Inspection Fee (43%)	$422.36
Plan Review Fee (57%)	$559.87
Permit Fee:	**$1,026.43**

Fire Alarm Detail

Fixture Type	Qty

Fire Miscellaneous Detail

Fixture Type	Qty

Fire Underground Detail

Fixture Type	Qty
Hydrants/Underground Fire Service	2

FINALED
3/12/15
BB

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do ( ) all of or ( ) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
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- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site:
<http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 0645668

Date: 11-3-14 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

State 9078369 11-7-14
Carrier Policy Number Expire Date

_____ _____
Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 11-3-14
Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? ( ) YES ( ) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? ( ) YES ( ) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? ( ) YES ( ) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? ( ) YES ( ) NO
5. Will the facility have any of the following equipment? ( ) YES ( ) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am ( ) a California licensed contractor or ( ) the property owner or ( ) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03049**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: Private Underground Fire Service ~ Tree Island

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor **License No.**
SHAWNEE CONSTRUCTION CO 665668
P O BOX 1166
909-393-5271

Fees

Type	Amount
Technology Fee	$27.92
Inspection Fee (43%)	$211.18
Plan Review Fee (57%)	$279.94
Hourly Fee	$129.30
Inspection Fee (43%)	$0.00
Plan Review Fee (57%)	$0.00
Permit Fee:	**$648.34**

Fire Alarm Detail

Fixture Type	Qty

Fire Miscellaneous Detail

Fixture Type	Qty

Fire Underground Detail

Fixture Type	Qty
Hydrants/Underground Fire Service	1

FINALED 7/8/15 MAF

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do ( ) all of or ( ) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665662

Date 11-3-14 Contractor Signature [signature]

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

  STATE 9078349 11-7-14
  Carrier Policy Number Expire Date

  [signature] BOB LOCKWOOD 909-393-5271
  Name of Agent Phone Number
- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

  [signature] 11-3-14
  Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? ( ) YES ( ) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? ( ) YES ( ) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? ( ) YES ( ) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? ( ) YES ( ) NO
5. Will the facility have any of the following equipment? ( ) YES ( ) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? ( ) YES ( ) NO

Applications of paint or adhesives,
Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am ( ) a California licensed contractor or ( ) the property owner or ( ) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2015-03905**

Parcel #: 022913124-0000 Lot: Issued Date: 01/25/2016
Tract: Phase: Parcel Area:
Project Description: Precise Grading for Tree Island Wire (USA), Inc.

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor
MIKE ZARP INC
PO BOX 6370
909-946-7017

License No.
677137

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Technology Fee	$11.64
Hourly Plan Review Fee	$258.60
Inspection Fee	$174.54
Inspection Fee	$84.06
Technology Fee	$3.78
Permit Fee:	**$532.62**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use
Precise Grading

Plumbing Equipment

Equipment Type	Qty

FINALED
4/5/16
CWL

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 1-25-16

Printed: 1/25/2016

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason: _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-12 License No. 677137

Date: 1-25-16 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

- ☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Travelers Ins.	3F98171-6-16	1/1/17
Carrier	Policy Number	Expire Date
GMGS Risk Management		949-559-6700
Name of Agent		Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 1-25-16

Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____

Lender's name

_____

Lender's Address

Hazardous Materials

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
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4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substence in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

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Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:
I am (X) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name _____

Date 1-25-16

Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE **Record Number: PMT2014-03048**

Parcel #: 022913124-0000 Lot: Issued Date: 11/03/2014
Tract: Phase: Parcel Area:
Project Description: On-site Sewer & Water ~ Tree Island

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor	License No.
SHAWNEE CONSTRUCTION CO P O BOX 1166 909-393-5271	665668

Electrical Fixtures

Fixture Type	Qty

Fees

Type	Amount
Technology Fee	$11.64
Plan Check Fee	$147.40
Inspection Fee	$111.20
Permit Fee:	**$270.24**

Mechanical Equipment

Equipment Type	Qty

GRADING INFORMATION DETAIL

Type of Use	Quantity
Water and Sewer (retail, commercial, and industrial)	1

Plumbing Equipment

Equipment Type	Qty

FINALED
4/5/16
CWL

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 11-3-14

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
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By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site:
<http://www.leginfo.ca.gov/calaw.html>.

Date: _____

Signature of Property Owner or Authorized Agent:

_____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 665666

Date: 11-3-14 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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  Policy No. _____
- ☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE 9078369 11-7-14
Carrier Policy Number Expire Date

BOB LOCKWOOD 909-3935271
Name of Agent Phone Number

- ☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 11-3-14
Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

Hazardous Materials

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5. Will the facility have any of the following equipment? (_) YES (_) NO

Char Broiler
Spray booth
Internal combustion engine>50 hp
Abrasive blasting cabinet/room
Motor fuel storage and disposing equipment
Dry cleaning machine
Printing press
Boiler/combustion equipment>2 Mil BTU/ hr input
Bag house/cartridge-type dust filter/scrubber

6. Will any of the following operations be performed? (_) YES (_) NO

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Molding, extruding or curing of plastics,
Storage of acids, solvents, organic liquids, or fuels,
Etching, plating, casting, or melting of metals,
Mixing and blending of liquids and/or powders,
Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.
YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

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I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Name BOB LOCKWOOD
Date 11-3-14

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

OK Fred

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	

Proposed Construction: LADLE Support Structure Foundation

Sq. Ft. Size	No. Stories	No. Dw. Units

New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions: Plan check fee based upon actual consultant billing for Same

VALUATION: $ 10,000

FEES		
	PLAN CHECKING FEE	110 00
	PERMIT FEE	80 50
	DRAINAGE FEE	
	SYSTEMS FEE	
	BEAUTIFICATION FEE	
	PARK FEE	
	OTHER	
Processed by	School Fee Receipt #	TOTAL 190 50

Permit No. 80-4101 Validated OK Date 12/17/80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

◯ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

◯ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

◯ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 12/16/80 _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

◯ Copy is filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 12/16/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafl., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	2/5/81	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

City of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy.
Owner: AMERN Steel
Mailing Address: 12459 Arrow Hwy
City: Etiwanda | Zip: | Tel.:
Contractor: WHITAKER Elect. Co.
Address: 383 S. J St.
City: San Bndo | Zip: 92410 | Tel.: 882-9895
State Lic. & Classif.: 16495 C10 | City Lic. No.: 14042

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. PC 116 805 Company Great Amer.

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANC.

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 11/18/80

Mailing Address: 383 S. J St.

City, State, Zip: San Bndo Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 60 AMP)	10 —
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	7 —
	TOTAL ELECTRICAL FEES	17 —

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee			
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 17 —

Processed By: [signature] | Spec. Cond.:

Permit No.: 80727 | Validation: OK | Date: 11/18/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- BUILDING
- ELECTRICAL
- MECHANICAL
- PLUMBING
- GRADING

- NEW
- SFD
- ADDN
- APT.
- ALTER
- DUPLEX
- REPAIR
- COMM.

PERMIT NO. 79-65

JOB ADDRESS 12459 Arrow Hwy.	SUBDIVISION		LOT
OWNER Amron Stockade	ADDRESS		TELEPHONE
CONTRACTOR Kerr Electric	ADDRESS		TELEPHONE
CITY BUSINESS LIC. # 4258	STATE LIC. # 365520	ARCH./BLD. DESIGNER	TELEPHONE
ENGINEER	TELEPHONE	LENDER	APN

FLOOR AREA 20,180.	VALUATION	GROUP S-1	MAX. OCC.	TYPE II-N.
LOT AREA 1/2 acre	DWELLING UNITS	FIRE ZONE 3	STORIES 1	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS: Electrical for new wire mill Storage Bldg. as per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE	4-5-79	JH
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL	6-5-79	JH
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL		
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- ◯ BUILDING
- ◯ ELECTRICAL
- ◯ MECHANICAL
- ◯ PLUMBING
- ◯ GRADING

- ☐ NEW ☐ SFD
- ☐ ADDN ☐ APT.
- ☐ ALTER ☐ DUPLEX
- ☐ REPAIR ☐ COMM.

PERMIT NO. 79-276

JOB ADDRESS: 18959 Base Line Hwy		SUBDIVISION:	LOT:
OWNER: Jarmo		ADDRESS:	TELEPHONE: 987-2521
CONTRACTOR: Jarmo O/B		ADDRESS:	TELEPHONE:
CITY BUSINESS LIC.: 270	STATE LIC.:	ARCH./BLD. DESIGNER:	TELEPHONE:
ENGINEER:	TELEPHONE:	LENDER:	APN:

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING I	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS:
Constr. 30'x75' Maint. Bldg. add. Weld Shop per plan on file

INSPECTOR WORK SHEET

Part

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING	4-19-79	
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.	4-19-79	
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE	4-19-79	
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	6-5-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

Building Address	12459 ARROW [illegible] RTE			No. Stories	Type Const.		Occ. Group
Lot. No.	Block	Tract		Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
Owner	TAMCO			No. Bedrooms	Lot Size Size		APN
Mailing Address	12459 ARROW	PO Box 325		CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
City	ETIWANDA	Zip 91739	Tel. 987-2521	Special Conditions:			
Contractor	OWNER						
Address	SAME						
City		Zip	Tel.				
State Lic. & Classif.			City Lic. No.				
Archy./Engr. Designer	G. H. GRIFFIN						
Address	AMERON CORP.		Tel.				
	MONTEREY PARK	Zip	State Lic. No.				
Proposed Construction	Cooling BEE Control House						
Sq. Ft. Size	784	No. Stories 1	No. Dw. Units				
New ☒	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐			

VALUATION: $ 4800.00

FEES		
PLAN CHECKING FEE	P.D. 120583 P.C.# 83-5605	37.88
PERMIT FEE		50.50
DRAINAGE FEE	1-13-84 PAID 84-197	---
SYSTEMS FEE		48.00
BEAUTIFICATION FEE		
PARK FEE	pd check	
OTHER	+ pd Cash	
TOTAL		98.50

Processed By [illegible] | School Fee Recpt. # | Permit No. 84-289 | Validation [illegible] | Date 1-20-84

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the *Business and Professions Code*, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Code*: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code*: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code*: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. 7044 B. & P.C. for this reason

TAMCO Richard Cairns
Owner

Date 1/5/83

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 2014-00 053498 Company Hawson Ins Co.

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name

Lender's Address

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [illegible] Date 1/5/83

Mailing Address 12459 ARROW HWY

City, State, Zip ETIWANDA

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	8-X-84	

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Sl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		
Lot. No.	Block	Tract	
Owner	TAMCO		
Mailing Address	12459 ARROW HWY, BOX 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer	OWNER		
Address		Tel.	
City	Zip	State Lic. No.	

Proposed Construction: FOUNDATION PIT FOR ROLLING MILL COOLING BED MODERNIZATION

Sq. Ft. Size	No. Stories	No. Dw. Units
13000		

New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions: PC 83-544 ($ 800.26)

VALUATION: $ 350,000

FEES		
	PLAN CHECKING FEE	
	PERMIT FEE	1067 —
	DRAINAGE FEE BASED ON 0.28 AC	1134 —
	SYSTEMS FEE	3500 —
	BEAUTIFICATION FEE	—
	PARK FEE	—
	OTHER	/
	TOTAL	5701 —

Processed By | School Fee Recpt. # | Permit No. 84-197 | Validation | Date 1-13-84

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Codes*: *Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code*: *The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code*: *The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

◯ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 11/18/83 Owner TAMCO BY Richard Larson

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code).

Policy No. 2014-00 053498 Company WAUSAU INS. COS.

◯ Copy is filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

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CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code*.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [illegible] Date 11/18/83

Mailing Address 12459 Richard Larson

City, State, Zip Etiwanda, CA 91739 Engineering Manager

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
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EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	8-16-84	
SWIMMING POOL/SPA		
EXC./V. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

Signed per Reports K

Inspectors on-site-inspection

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	Arrow Steel & Wire		
Mailing Address	P.O. Box 8		
City	Etiwanda	Zip 91739	Tel 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	PREMATER EQUIPMENT FOUNDATION		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories —	Type Const. TF-V		Occ. Group M-1
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 17,500

FEES		
PLAN CHECKING FEE P# 82-1303	96.	38
PERMIT FEE	128	50
DRAINAGE FEE	25	00
SYSTEMS FEE	175	00
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL	328	50

Processed By [illegible] School Fee Recpt. #

Permit No. 82-1389 Validation Jair. Date 6/29/82

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

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[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

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[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 6/29/82 Owner

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[X] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 6/29/82

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

			INSPECTION NOTES
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6-30-82	Were	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.	7-14-82	Were	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.			7-21-82 Epoxy, Cameia-Stop at 7-27-82 Shearwall to be installed
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landing, House Numbers, Weather Stripping, Pl./Eng. Clear.	9-14-82	Were	
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Sil., Banding, Exp. Soil, Ramp Loc., Surcharge.			
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.			
FINAL INSPECTION:			
MISCELLANEOUS			
SPRAY PAINT BOOTH:			
RETAINING WALL:			
DUST COLLECTION SYSTEM:			
VENEER:			
RE-ROOF:			
SIGN(S):			
INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION Duplicate

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Owner	Cameron Steel & Wire		
Mailing Address	P.O. Box 8		
City	Etiwanda	Zip 91739	Tel. 987-3551
Contractor	Kent Electric Co.		
Address	11631 Industry Ave.		
City	Fontana	Zip 92335	Tel. 684-2910
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

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Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
9	Motors HP ea. _____)	142 50
	Other (Specify _____)	4 00
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	153 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES	153 50

Processed By		Spec. Cond.	
Permit No.	82-1446	Validation	Date

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

KENT ELEC. TOOK ALL OF ORIGINAL PERMIT. 7/20/82 pd

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy			No. Stories	Type Const.		Occ. Group
Lot No.	Block	Tract		Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
Owner	CAMERON STEEL & WIRE			No. Bedrooms	Lot Size Size		APN
Mailing Address	P.O. Box 8			CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
City	ETIWANDA	Zip 91739	Tel. 987-0451	Special Conditions:			
Contractor	OWNER						
Address							
City		Zip	Tel.				
State Lic. & Classif.			City Lic. No.				
Arch., Engr., Designer							
Address			Tel.				
City		Zip	State Lic. No.				
Proposed Construction	Not Work as per Plans on File.						
Sq. Ft. Size		No. Stories	No. Dw. Units				

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

VALUATION: $ 10,000

FEES	PLAN CHECKING FEE 82-0288 PD 2-24-82	60	38
	PERMIT FEE	80	50
	DRAINAGE FEE	25	00
	SYSTEMS FEE @ 1% Value	100	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	205	50

Permit No. 82-0397 Valuation Initial Date 3-10-82

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires it's applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 3-10-82 Owner X

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 3-24-82

Mailing Adr. _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	3/11/82	HCL
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.	3/30/82	HCL
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9-14-82	Walker
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

OK wall Form 3/31/82 HCL

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		
Lot No.	Block	Tract	
Owner	KAISER STEEL & WIRE DIV		
Mailing Address	PO BOX 8		
City	ETIWANDA	Zip 91739	Tel. 887-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	TWO 8'X12' ELECTRICAL CONTROL BLDG		
Sq. Ft. Size	96' EACH	No. Stories 1	No. Dw. Units
New [X]	Add. [ ]	Alter. [ ]	Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 3,000 EACH = $ 6,000

FEES	PLAN CHECKING FEE (82-1100)	42	38
	PERMIT FEE	56	50
	DRAINAGE FEE	25	00
	SYSTEMS FEE	60	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By BW	School Fee Recpt. #	TOTAL	141 50
Permit No. 821155	Validation	Date 6/2/82	

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[ ] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

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[ ] I am exempt under Sec. _____ B. & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

[ ] Copy is filed with the city. [ ] Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[X] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	7-21-82 8-14-82	Ware Ware
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Shear Panels, Tr. Lmbr.	8-23-82	Ware
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9-14-82	Ware
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

7-21-82 Ware west bldg foundation

east bldg foundation

roof lathe bldgs west

9-15-82 Reberox Ware

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	PO BOX 8		
City	ETIWANDA	Zip 91739	Tel 987-2521
Contractor	OWNER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	Cooling Tower Foundation		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:			

VALUATION: $ 12,500

FEES			
	PLAN CHECKING FEE PD 3-26-82	$	78 88
	PERMIT FEE		98 50
	DRAINAGE FEE BASED ON 0.02 AC		50 00
	SYSTEMS FEE		125 00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL	273 50
Permit No.	82-0752	Validation	Date 7-16-82

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

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☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

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CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all City and County ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date _____

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	4/21/82	[illegible]
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Span, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9-14-82	[illegible]
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Banding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

4/21/82
Studs & Footings OK
[illegible]

5/5/82
Wall Steel & Forms OK
[illegible]

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Co. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 ARROW HWY			
Lot No.	Block	Tract	
Owner: AMERON STEEL & WIRE DIV			
Mailing Address: P.O. BOX 8			
City: ETIWANDA	Zip: 91737	Tel: 987-2521	
Contractor: OWNER			
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer: OWNER			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction: COIL COLLECTOR STATION PERSONNEL SHELTER			
Sq. Ft. Size: 714	No. Stories: 1	No. Dw. Units	

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 10,900 XX

FEES	PLAN CHECKING FEE	64	00
	PERMIT FEE	86	50
	DRAINAGE FEE based on 0.02 Ac	50	00
	SYSTEMS FEE	109	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By: [illegible]	School Fee Recpt. #	TOTAL	245 50
Permit No. 81-1994	Validation	Date 6/29/81	

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[ ] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 6/29/81 Owner [signature]

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof, (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

[ ] Copy is filed with the city. [ ] Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date _____

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	8/10/81	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Veh. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Fl./Engr. Clear.	9-14-82	Ware
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Fund

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		No. Stories	Type Const.	Occ. Group
Lot No.	Block	Tract	Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Owner	TAMCO		No. Bedrooms	Lot Size Size	APN
Mailing Address	PO Box 325		CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐ / D.A. Appr. Required ☐
City	Etiwanda	Zip 91739 Tel 987-2521	Special Conditions:		
Contractor	OWNER				
Address					
City	Zip	Tel.	VALUATION: $ 10,400		
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer			FEES	PLAN CHECKING FEE Rec. # 81-2672	64 88
Address		Tel.		PERMIT FEE	86 50
City	Zip	State Lic. No.		DRAINAGE FEE	25 —
Proposed Construction	Scrap Yard Lunch Room			SYSTEMS FEE	104
				BEAUTIFICATION FEE	—
				PARK FEE	—
				OTHER	
Sq. Ft. Size	240	No. Stories 1 / No. Dw. Units	Processed By	School Fee Recpt. #	TOTAL 215 50
New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐			Permit No.	81-2682 Validation	Date 9/2/81

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☑ *I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☑ *I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)*

☐ *I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)*

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 9/1/81 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☑ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 9/1/81

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	10/6/81	K.R.L.
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.	10/6/81	K.R.L.
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.	10/19/81	K.R.L.
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	10/27/81	K.R.L.
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.	10/27/81	K.R.L.
INSULATION: Thickness, R-Values, Piping, Sound Caulking.	✓	
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.	✓	
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.	10/30/81	K.R.L.
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.	✓	
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Fl./Engr. Clear.	11/6/81	K.R.L.
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

10/14/81 1st grout lift K.R.L.

10/19/81 2nd & Final Grout lift K.R.L.

BUILDING AND SAFETY DIVISION

City of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Garrard Homes

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Arrow HWY

Owner: AMERON

Mailing Address: 12459 Arrow HWY

City: R.C. Zip: 91739 Tel: 887-2521

Contractor: WHITAKER ELECTRIC Co

Address: 223 So "J"

City: SAN B'NO Zip: 92410 Tel: 889-9395

State Lic. & Classif.: 164965 City Lic. No.: 1404

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. CB 842599 Company CAL INDEM.

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Whitaker Electric Inc

Mailing Address: 223 So "J"

City, State, Zip: San Bndo Ca. 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 60 AMP SUBPANEL)	10 00
3	Outlets (Receptacles, Lights, Switches)	1. 50
1	Fixtures 220 REC.	1. 00
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	19 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets. _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 19 50

Processed By: JS

Spec. Cond.:

Permit No.: 81-2741

Validation: mk

Date: 7-10-81

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL			
UNDERGROUND CONDUIT	9/11/81	Russell	
ROUGH WIRING	10/27/81	Held	
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.			
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
MECHANICAL			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
PLUMBING			
U.G./UNDER FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER. Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY
Owner	TAMCO AMERON
Mailing Address	12459 ARROW HWY.
City	CUCAMONGA — Zip 91739 — Tel. 899-1716
Contractor	WHITAKER ELECT. CO.
Address	383 So. J ST.
City	SAN BNDO — Zip 92410 — Tel. 889-9895
State Lic. & Classif.	164965 C10 — City Lic. No.

LICENSED CONTRACTOR'S DECLARATION

[X] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

[ ] I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

[X] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 8888-3799 Company Ind Indem.

[X] Copy is filed with the city. [ ] Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant J. Grossmann Date 9/28/81

Mailing Address 383 So J St.

City, State, Zip San Bndo, Ca 92410

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 120A, 480A)	35 00
11	Outlets (Receptacles, Lights, Switches)	5 50
5	Fixtures	2 50
	Motors (HP ea. _____)	
	Other ~~4 PANELS~~ (Specify 75 KVA TRANS.)	12 50
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	62 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wa'l/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES	62 50
Processed By	Spec. Cond.
Permit No. 81-3024	Validation
Date 10/7/81	

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT	10/8/81	FRR	
	ROUGH WIRING	10/27/81	KLL	
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- [x] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING

- [ ] NEW
- [x] SFD
- [ ] ADDN
- [ ] APT.
- [x] ALTER
- [ ] DUPLEX
- [ ] REPAIR
- [ ] COMM.

PERMIT NO. 78-381

JOB ADDRESS: 12459 Arrow Hwy		SUBDIVISION		LOT	
OWNER: Tamco		ADDRESS: Same		TELEPHONE: 987-[illegible]	
CONTRACTOR: Same		ADDRESS		TELEPHONE	
CITY BUSINESS LIC. #: 270	STATE LIC. #: —	ARCH./BLD. DESIGNER		TELEPHONE	
ENGINEER: Kestner	TELEPHONE	LENDER		JOB #	

FLOOR AREA: —	VALUATION: 3500 —	GROUP: B-4	MAX. OCC.: —	TYPE: II-N	
LOT AREA: —	DWELLING UNITS	FIRE ZONE: 3	STORIES	BEDROOMS	
ZONING: M-2	USE PERMIT: —	DESIGN REVIEW: —	UBC ED.: 76		

PROPOSED WORK/REMARKS:

Construct Observation platform in Casting machine area

INSPECTOR WORK SHEET

Footing South End 12-28-28 JSK

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	4-5-29	JSK.
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- [X] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING
- [X] NEW [ ] SFD
- [ ] ADDN [ ] APT.
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM.

JOB ADDRESS: 12459 Arrow Hwy	SUBDIVISION:	LOT:	
OWNER: A Moran Steel & Wire	ADDRESS: 12459 Arrow Hwy	TELEPHONE: 987-252	
CONTRACTOR: Owner	ADDRESS:	TELEPHONE:	
CITY BUSINESS LIC. #: 271	STATE LIC. #:	ARCH./ENGR. DESIGNER:	TELEPHONE:
ENGINEER: Keltner	TELEPHONE:	LENDER:	APN:

FLOOR AREA: 20,180	VALUATION: 160,000	GROUP: B-4	MAX. OCC.: —	TYPE: 4-N	
LOT AREA: 42 Ac. ±	DWELLING UNITS:	FIRE ZONE: 3	STORIES: 1	BEDROOMS: —	
PERMIT NO.: 78-383	ZONING: M2	USE PERMIT:	DESIGN REVIEW:	UBC ED.: 76	—

PROPOSED WORK/REMARKS:

Construct Wire Storage Bldg

Bldg Engr Mark Keltner

need grad. contr. list.

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL.	11-29-78	
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	4-5-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION Mark Kelhner

city of rancho cucamonga

BUILDING PERMIT

- ○ BUILDING
- ○ ELECTRICAL
- ○ MECHANICAL
- ◉ PLUMBING
- ○ GRADING

- ☒ NEW ☐ SFD
- ☒ ADDN ☐ APT.
- ☒ ALTER ☒ DUPLEX
- ☒ REPAIR ☐ COMM.

PERMIT NO. 79-275

JOB ADDRESS 12457 Arrowhead	SUBDIVISION		LOT
OWNER Emerson Studio Bird Dr	ADDRESS		TELEPHONE 987-252
CONTRACTOR Emerson	ADDRESS		TELEPHONE
CITY BUSINESS LIC. #	STATE LIC. #	ARCH./BLD. DESIGNER	TELEPHONE
ENGINEER	TELEPHONE	LENDER	APN

FLOOR AREA	VALUATION	GROUP	MAX. OCC.	TYPE
LOT AREA	DWELLING UNITS	FIRE ZONE	STORIES	BEDROOMS
ZONING	USE PERMIT	DESIGN REVIEW	UBC ED.	

PROPOSED WORK/REMARKS:

Constr. 28' x 74' Bunding Bldg. per plans on file

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING	2-20-79	JH
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	J.H. 4-16-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

BUILDING PERMIT

- [x] BUILDING
- [ ] ELECTRICAL
- [ ] MECHANICAL
- [ ] PLUMBING
- [ ] GRADING
- [ ] NEW [ ] SFD
- [x] ADDN 2 [ ] APT.
- [ ] ALTER [ ] DUPLEX
- [ ] REPAIR [ ] COMM.

PERMIT NO. 78-382

JOB ADDRESS: 12455 Arrow Hwy	SUBDIVISION:				CT.
OWNER: Amron Steel & Wire	ADDRESS: Same				TELEPHONE
CONTRACTOR: Same	ADDRESS:				TELEPHONE
CITY BUSINESS LIC. #: 27	STATE LIC. #:	ARCH./ENGR. DESIGNER:			TELEPHONE
OWNER: Kaltman	TELEPHONE:	LENDER:		APN:	

FLOOR AREA: 432 / 1320	VALUATION: 15,000	GROUP: B 4	MAX. OCC.: —	TYPE: II-N	
LOT AREA: 42 Ac ±	DWELLING UNITS: —	FIRE ZONE: 3	STORIES: 1	BEDROOMS: —	
ZONING: M-2	USE PERMIT: —	DESIGN REVIEW: Dir. Rev	UBC ED.: 1976	—	

PROPOSED WORK/REMARKS:
Add Boiler Room Structure, Add Bay to Straighten & Cut Dept., Install 100 HP Boiler

INSPECTOR WORK SHEET

TYPE OF INSPECTION	DATE	INSPECTOR
ROUGH GRADING		
FOUNDATION/SET BK./STL.		
UNDERFLOOR/SLAB ELEC.		
UNDERFLOOR/SLAB MECH.		
UNDERFLOOR/SLAB PLUMB.		
UNDERFLOOR		
Drywall nailing	4-5-79	JH
ELECTRIC ROUGH		
MECHANICAL ROUGH		
PLUMBING ROUGH		
FRAME ROUGH		
LATH OUTSIDE		
INSULATION		
WALLBOARD		
MASONRY/FIREPLACE		
GAS SERVICE		
SEWER SERVICE		
ELECTRICAL SERVICE		
GAS APPLIANCE		
FIRE DETECTOR		
ELECTRICAL FINAL		
PLUMBING FINAL		
MECHANICAL FINAL		
BUILDING FINAL	J.L. 4-16-79	
GRADING FINAL		
DRIVEWAY FINAL		
CERTIFICATE OF OCCUPANCY		

SAN BERNARDINO COUNTY — BUILDING PERMIT

Region	By	Application Date	Plans	Plot	Gr.	Type Con.	Fire Zone	Plan No.	Index No.
120	RM	10-28							124-85

To be filled in by Applicant — PLEASE PRINT OR TYPE

Owner's Name: ~~FAMECO~~ ~~SIERRA PACIFIC DIV~~ — Phone No.: 987-2521

Owner's Mailing Address: 12459 Arrow Hwy — City: Etiwanda — Zip: 91739

JOB SITE ADDRESS: SAME — CITY:

Lot No. — Block No. — Tract No.

Sec. — Twn. — Rng.

Intended Permit Use: REV. COMPRESSOR ROOF COVER

Lot Dimensions	No. Stories	No. Bedrms.	No. Dwell. Units	No. Dwell. Units Now on Lot	No. Fireplaces

No. Bldgs. Now on Lot	How Used

Contractor: O/B — When Plans Checked Notify

Contractor's Mailing Address — City — Zip — Phone No.

FLOOR	EXT. WALLS	INT. WALLS	CEILING	ROOF	HEATING	SEWAGE SYSTEM
Conc.	Masonry	Masonry	Open Beam	Wood	Elect.	
Wood	Frame	Frame	Plaster	Comp. Sh.	Nat. Gas	Public
	Stucco	Plaster	Sheetrock	Built-up	L.P.G.	Private
	Siding	Sheetrock	Wood	Metal	Oil	Min. Depth
	Metal	Wood	Fiber Board	Tile	Solid	S.F./100 gal.

CERTIFICATION OF APPLICANT FOR BUILDING PERMIT

I have read this application and agree to comply with all laws regulating construction. I certify that in the performance of this work I shall not employ any person in any manner violating Workers' Compensation laws.

California Health & Safety Code, Sec. 17922.5, requires applicants for building permits to show that a Division of Industrial Safety permit has been obtained, unless the applicant signs this Certificate below.

☐ I certify that no excavation five (5) or more feet in depth, into which a person is required to descend, will be made in connection with work authorized by this permit, and that no building, structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high.

☐ As owner/builder I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above unless such person has a permit from that division.

Division of Industrial Safety Permit No.

Owner's Signature: Mark Kellner 12/9/77

Contractor's Signature — License No.

DEPARTMENT USE ONLY — Plan Check Valuation

BY — ZONE — AP No.

Minimum Setback Distances

- Front Setback from Center Line — R/W
- Rear Setback from Rear Property Line
- Side Street Setback from Center Line — R/W
- Side Setback from Property Line
- Side Setback from Property Line

NOTE:

	Sq. Ft.	Factor P.S.F.	Adjusted Area or Valuation
1			
2			
3			
Gar.			
Porch			
F.P.			
Valuation			Adjusted Area
$ 3500			

ONTARIO COMPLETED DATE: 2-

Grading — Cu. Yds.

ELECT.

PLUMB.

MECH.

Plan Check Fee	$ 21	45
Const. Fee	33	—
Elect. Fee		
Plumb. Fee		
Mech. Fee		
Grading Fee		
Misc. Fee		
Permit Fee		
TOTAL FEE	$ 54	45

VALIDATION SPACE OR RECEIPT NO. Cash/Check

Receipt 350345 c/c 8545

Permit Number: 55641

Date Permit Issued:

Use Number: 24

STRUCTURE	PLUMBING				HEATING & AIR COND.				ELECTRICAL
SETBACK	LAVATORY		TOILET		GAS PIPE		COOLER		
EXCAVATION	BATHTUB		FL. DRAIN		FL. FURN.		REFRIG.		
FORMS	SHOWER		SEWER		WALL FURN.		A.C. UNIT		
FOUND. REINF.	SINK		SEPTIC TANK		F.A.U.		HEAT PUMP		
REINF. STEEL	LAUND. TUB		SEEP. PIT		WATER HTR.		FIREPLACE		
GROUT	GARB. DISP.		LEACH LINE		BOILER		GAS CONV.		
BOND BEAM	DISH WASH.		GR. TRAP		INCINER.		L.P.G.		
LUMBER GR.	URINAL		DRINK FTN.		VENT		NAT. GAS		
FRAMING					DRYER				
ROOFING									
VENTILATION									

BATH VENT.	GROUND PLUMB.	GAS (ROUGH)	GROUNDING RANGE
UNDERFL. VENT	ROUGH PLUMB.	HEATING (ROUGH)	BONDING DRYER
ACCESS HOLE	SEWER	WATER HEATER	ROUGH WIRING
GAR. FIREPROOF	SEPTIC TANK	EVAP. COOLER	SERVICE COND. SIZE
LATHING	SIZE	A.C. UNIT	SERVICE WIRE SIZE
MESH	SEEP. PIT	REFRIGERATION	SERVICE GROUND SIZE
PLASTER	SIZE	DUCT WORK	AMP. VOLTS
FIREPLACE	LEACH LINE	SPARK ARREST.	NO. BR. CIRCUITS
INSULATION/SOUND	WATER SYS.	HEATING (FINAL)	TEMP.
CERT. OCC.	FINAL INSP.	GAS (FINAL)	FINAL

N.

W. E.

S.

FINAL O.K. 4-13-78

Mark Keltner

Ent. W/ Anderson, Alabama

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

Final

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROWHWY				
Lot No.	Block	Tract			
Owner	THACO				
Mailing Address	PO BOX 325				
City	ETIWANDA	Zip 91739	Tel. 987-2521		
Contractor	OWNER				
Address					
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer					
Address		Tel.			
City	Zip	State Lic. No.			
Proposed Construction	LANDING PLATFORMS				
Sq. Ft. Size	No. Stories	No. Dw. Units			
New ☐	Add. ☒	Alter. ☐	Repair ☐	Demolition ☐	

No. Stories	Type Const.		Occ. Group	
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐	
No. Bedrooms	Lot Size Size		APN	
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐	
Special Conditions:				

VALUATION: $ 20,000

FEES			
	PLAN CHECKING FEE REC 9129 11-1280	105	38
	PERMIT FEE	140	50
	DRAINAGE FEE		
	SYSTEMS FEE		
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By	School Fee Recpt. #	TOTAL		
Permit No. 80-3812	Validation	Date 7/24/80		

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5. Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred Dollars ($500).*

◯ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

◯ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

◯ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 7/24/80 Owner [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

◯ Copy is filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 7/24/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Link.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	2/9/81	[signature]
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

Bob SCHNEIDER

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY				
Lot No.	Block	Tract			
Owner	AMSTAR STEEL & WIRE DIV				
Mailing Address	P.O. BOX 8				
City	ETIWANDA	Zip	91739	Tel	887-2521
Contractor	OWNER				
Address					
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer	OWNER				
Address		Tel.			
City	Zip	Lic. No.			
Proposed Construction	ROLL MILL MAINT WEST END ENCLOSURE				
Sq. Ft. Size	1325	No. Stories	1	No. Dw. Units	
New [X]	Add. [ ]	Alter [X]	Repair [ ]	Demolition [ ]	

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 13,200

FEES		
	PLAN CHECKING FEE RC 0-4780	78 38
	PERMIT FEE	104 50
	DRAINAGE FEE	
	SYSTEMS FEE	
	BEAUTIFICATION FEE	
	PARK FEE	
	OTHER	
Processed By	School Fee Recpt. #	TOTAL 104 50
Permit No. 80-3185	Validation	Date 10-2-80

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[ ] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issu- also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 10/2/80 Owner [signature]

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declaration(s) is/are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 10/2/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

			INSPECTION NOTES
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	12/5/80	Cleared	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg., Spans, Access, Vents, Tr. Lmbr.			
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.			
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.			
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.			
INSULATION: Thickness, R-Values, Piping, Sound Caulking.			
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.			
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.			
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.			
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/5/80	Cleared	
SWIMMING POOL/SPA			
EXCAV. REINF. SETBACKS: Radius Stl., Banding, Exp. Soil, Ramp Loc., Surcharge.			
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.			
FINAL INSPECTION:			
MISCELLANEOUS			
SPRAY PAINT BOOTH:			
RETAINING WALL:			
DUST COLLECTION SYSTEM:			
VENEER:			
RE-ROOF:			
SIGN(S):			
INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Arrow Hwy			
Lot No.	Block	Tract	
Owner: AMERON STEEL & WIRE DIV			
Mailing Address: P.O. BOX 8			
City: ETIWANDA	Zip: 91739	Tel: 987-2521	
Contractor: OWNER			
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer: OWNER			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction: WIND BREAK LEAN-TO			
Sq. Ft. Size: 1275	No. Stories: 1	No. Dw. Units	

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required [ ]	H.D. Appr. Required [ ]	F.D. Appr. Required [ ]	D.A. Appr. Required [ ]
Special Conditions:			

VALUATION: $ 13,500

FEES			
	PLAN CHECKING FEE Rec'd 9-17-80	78	38
	PERMIT FEE	104	50
	DRAINAGE FEE	73	25
	SYSTEMS FEE	135	00
	BEAUTIFICATION FEE		
	PARK FEE		
	OTHER		
Processed By: BC	School Fee Recpt. #	TOTAL	312 75
Permit No. 80-3186	Validation: OK	Date: 10-2-80	

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[ ] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

[X] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

[ ] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 10/2/80 Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code.*)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars* ($100) *or less.*)

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated description is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 10/2/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	10/27/20	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.	10/30/20	
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports; Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/20	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY	U.B.C. Edition	1976
Type Const.	V-N	Occ. Group	
Lot No.	Block	Tract	
Occ. Load		F. D. Appr. Required	☐
H. D. Appr. Required	☐		
Owner	AMERON STEEL & WIRE DIV	CCWD Permit	☐ Obtained ☐ N.A.
D. of A. Permit	☐ Obtained ☐ N.A.		
Mailing Address	P.O. BOX 8	Use Permit Required	☐
Des. Rev. Required	☐	APN	
City	ETIWANDA	Zip	91739
Tel.	787-2521	No. Bedrooms	
Lot Size			
Contractor	OWNER	Special Conditions	
Address		VALUATION $	15,000
City	Zip	Tel.	
State Lic. & Classif.	City Lic. No.		
Arch., Engr., Designer	OWNER		
Address	Tel.		
City	Zip	State Lic. No.	
Proposed Construction	FOREMANS OFFICE		
INT. ALT.			
Sq. Ft. Size	480	No. Stories	2
No. Dw. Units			
New ☐	Add. ☐	Alter. ☒	Repair ☐ Demolition ☐

CHECKING FEE	# 06693	82 88
PERMIT FEE		110 50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL		110 50

Processed by [illegible] Permit No. 1301 Validation [illegible] Date 5/15/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date 3/31/80 Owner Mark Kelter

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 7800, Labor Code.)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Kelter Date 3/31/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	8/30/00	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Cord Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/5/00	
SWIMMING POOL/SPA		
EXCAV., REINF., SETBACKS: Radius Stl., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIV		
Mailing Address	P.O. BOX 8		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer	OWNER		
Address			Tel.
City		Zip	State Lic. No.
Proposed Construction	FOREMANS OFFICE		
	INT. ALT.		
Sq. Ft. Size	320	No. Stories 2	No. Dw. Units
New ☒	Add. ☐	Alter. ☒	Repair ☐	Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load	F. D. Appr. Required ☐		H. D. Appr. Required ☐
CCWD Permit ☐	Obtained ☐	N.A. ☐	D. of A. Permit ☐ Obtained ☐ N.A.
Use Permit Required ☐	Des. Rev. Required ☐		APN
No. Bedrooms	Lot Size		
Special Conditions			
VALUATION: $	12,500		

FEES	PLAN CHECKING FEE	Paid 3/31/80 #06693	73	88
	PERMIT FEE		98	50
	DRAINAGE FEE			
	SYSTEMS FEE			
	BEAUTIFICATION FEE			
	PARK TAX			
	SCHOOL FEE			
	OTHER			
Processed by		TOTAL	98	50
Permit No.	80-1300	Validation		Date	5/5/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

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☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 3/31/80 Owner [signature]

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 3/31/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	6/21/00	KRL
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/5/00 OK Final	KRL
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Banding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		
INSPECTION	DATE.	INSP. SIGN.

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel. 987-2521
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	MOTOR CONTROL CENTER ROOM		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load	F. D. Appr. Required ☐		H. D. Appr. Required ☐
CCWD Permit ☐ Obtained	☐ N.A.	D. of A. Permit ☐ Obtained	☐ N.A.
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 16,200

PLAN CHECKING FEE	#Receipt 06880	91 00
PERMIT FEE		122 50
DRAINAGE FEE	SEE COOLING TOWER PERMIT	
SYSTEMS FEE	190	162 00
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
Processed by	TOTAL	284 50
Valid		Date

80-1197 5/7/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

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☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 5/7/80 Owner Mark Kellam

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

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NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 5/7/80

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings; House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/80	WRR
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Slt., Bonding, Exp. Soil, Ramp Loc., Surchatge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	TAMCO (OWNER)		
Address	12459 Arrow Hwy		
City	ETIWANDA	Zip 91739	Tel. 987-2521
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	COOLING TOWER STORAGE BASIN & HOTWELL		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load	F. D. Appr. Required ☐		H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.	D. of A. Permit ☐ Obtained ☐ N.A.		
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 68,000

PLAN CHECKING FEE	Receipt #6980	259 50
PERMIT FEE		346 00
DRAINAGE FEE		2500 00
SYSTEMS FEE 1%		680 00
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL		3526 00

Processed by

Permit No. 80-1196 Validation [illegible] Date 5/7/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

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☐ I am exempt under Sec. ____ B. & P.C. for this reason ____

Date 5/7/80 Owner Mark Kellner

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. ____ Company ____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 5/7/80

Mailing Address ____

City, State, Zip ____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh; Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint-Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/80	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sft., Bonding, Exp. Soil, Ramp Lac., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HIGHWAY		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE		
Mailing Address	12459 ARROW HWY		
City	ETIWANDA	Zip 91739	Tel. 987-2521
Contractor	ROY O. HUFFMAN ROOF CO.		
Address	5971 JURUPA AVE.		
City	RIVERSIDE	Zip 92504	Tel. 689-8330
State Lic. & Classif.	316458 C-39	City Lic. No.	2269
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	RE-ROOF (Retro)		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☐ Add. ☐ Alter. ☐ Repair ☒ Demolition ☐

U.B.C. Edition	Type Const.		Occ. Group
Occ. Load	F. D. Appr. Required ☐		H. D. Appr. Required ☐
CCWD Permit ☐ Obtained ☐ N.A.		C. of A. Permit ☐ Obtained ☐ N.A.	
Use Permit Required ☐	Des. Rev. Required ☐	APN	
No. Bedrooms	Lot Size		
Special Conditions			

VALUATION: $ 5,501.00

FEES		
PLAN CHECKING FEE	42	38
PERMIT FEE	56	50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK TAX		
SCHOOL FEE		
OTHER		
TOTAL	98	88

Processed by SM. Permit No. 80-1045 Validation OK Date 4/21/80

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. WR-106028 Company Mission Ins. Co.

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant [signature] Date 4/21/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/80	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sll., Banding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

department of COMMUNITY DEVELOPMENT

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 Arrow Hwy

Owner: TAMCO

Mailing Address: P.O. Box 325

City: Etiwanda | Zip: 91739 | Tel: 987-2521

Contractor: TAMCO (OWNER)

Address: 12459 Arrow Hwy

City: Etiwanda | Zip: 91739 | Tel: 987-2521

State Lic. & Classif. | City Lic. No.

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Profesions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code.*)

Policy No. _____ Company _____

☐ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Mark Reeves Date: 5/7/80

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. .....@.....	
	Sq. Ft. Area New Res. Accessory Bldg. .....@.....	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee.....		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets.....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other Water conn	3 50
	Plan Chk. Fee.....		Issuance Fee	7 00
	TOTAL PLUMBING FEES			10 50

TOTAL ELEC., MECH., PLMBG. FEES

Processed By: OK | Spec. Cond.

Permit No. 80-1195 | Validation: JC | Date: 5-7-80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services	12/22/80	[signature]	
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM. POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy				
Lot No.	Block	Tract			
Owner	TENCO				
Mailing Address	12459 Arrow Hwy				
City	ETIWANDA	Zip	91739	Tel.	987-2521
Contractor	OWNER				
Address					
City		Zip		Tel.	
State Lic. & Classif.				City Lic. No.	
Arch., Engr., Designer					
Address				Tel.	
City		Zip		State Lic. No.	
Proposed Construction	8'HIGH X 2400' LONG FENCE 2 3/8" SCH 40 POLE W/ 11GA FABRIC FOOTINGS 30" DEEP X 8" DIA.				
Sq. Ft. Size		No. Stories		No. Dw. Units	

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	—	Type Const.	V-N	Occ. Group	M-2
Occ. Load	—	No. Dw. Units	—	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms		Lot Size Size	14 acres	APN	
CCWD Appr. Required ☐		H.D. Appr. Required ☐		F.D. Appr. Required ☐	D.A. Appr. Required ☐
Special Conditions:					

VALUATION: $ 13,500

OFFICE USE		
PLAN CHECKING FEE		
PERMIT FEE	104	50
DRAINAGE FEE (1 acre min.)	2500	00
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
Processed By	School Fee Recpt. # —	TOTAL 2609 50
Permit No. 80-1886	Validation Cash.	Date 6/26/80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

◯ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

◯ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

◯ I am exempt under Sec. _____, B. & P. C. for this reason _____

6/25/80 Owner Mark Kelting

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

◯ Copy filed with the city. ◯ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declaration(s) are correct. I agree to comply with all City and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mark Kelting Date 6/25/80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Roof., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plumb., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/22	Rehk
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH.		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW Hwy RC		
Owner	AMERON		
Mailing Address	12459 ARROW Hwy R		
City	R. C.	Zip	Tel. 899-1716
Contractor	WHITTAKER EVERT, CO		
Address	305 So 'J' ST.		
City	SAN BNDO	Zip 92410	Tel. 8899895
State Lic. & Classif.	164965 C10	City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 6680975 Company GREAT AMERICAN

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 6/30

Mailing Address 305 So J ST.

City, State, Zip SAN BNDO 92410

ELECTRICAL SYSTEM

No.	Description. (Additions, Commercial, (Industrial))	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
10	Motors 4 HP 150 HP (HP ea. 30-50 HP 2 @ 40 HP)	235 00
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. .....@.....	
	Sq. Ft. Area New Res. Accessory Bldg. .....@.....	
	Plan Chk. Fee ..... Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	242 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee.....		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets.....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee.....		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES

Processed By	MKF	Spec. Cond.	
Permit No.	80-1945	Validation	Date 7/2/80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD			INSPECTOR NOTES
UNDERGROUND CONDUIT			
ROUGH WIRING			
NEW SERVICE			
FIXTURES			
FINAL ELEC. INSP.	12/28/84	Hild	
TEMP. POWER POLE			
OTHER			
OTHER			
ELEC. UTILITY CLRNCE.			
U. G. DUCTS/REFRIG. LINES			
RO. MECH. Ducts, Comb. Air, Supports, Vents			
FINAL MECH. FAU/AC Unit Vents, Shutoffs			
OTHER			
OTHER			
U.G./UNDR FLR. Soil, Water, Gas, Supports			
RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
FINAL PLMBG. Fixtures, Valves, Services			
WATER HTR. Vent, Valves, Press. Rel. Valve			
SEWER/PRIV. DISP. SYSTEM			
OTHER			
OTHER			
GAS UTILITY CLRNCE.			
BONDING			
U.G. CONDUIT			
GAS PIPING Material, Depth			
GAS TEST			
HEATER Vent, Clearance, Location, Shut-off			
FINAL POOL ELEC.			
FINAL POOL PLMBG.			
OTHER			
INSPECTION	DATE	INSP. SIGN.	

ELECTRICAL
MECHANICAL
PLUMBING
SWIM POOL / SPA

PC#399

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Hwy		
Lot No.	Block	Tract	
Owner	TAMCO		
Mailing Address	PO Box 325		
City	Etiwanda	Zip 91739	Tel. 907-2521
Contractor	OWNER-BUILDER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer			
Address		Tel.	
City	Zip	State Lic. No.	
Proposed Construction	FOUNDATION FOR DOLOMITE SILO		
Sq. Ft. Size	No. Stories	No. Dw. Units	

New ☒ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required ☐	Dns. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
CCWD Appr. Required ☐	H.D. Appr. Required ☐	F.D. Appr. Required ☐	D.A. Appr. Required ☐

Special Conditions:

VALUATION: $ 5500 00 8/19/80

FEES		
PLAN CHECKING FEE	pd. 080526	42 38
PERMIT FEE		56 50
DRAINAGE FEE		
SYSTEMS FEE		
BEAUTIFICATION FEE		
PARK FEE		
OTHER		
TOTAL		56 50

Processed By JS School Fee Recpt. #

Permit No. 80-3602 Validation JM Date 11-5-80

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

○ I am exempt under Sec. ____ B. & P. C. for this reason ____

Mark Holm

Date 8/19/80 Owner

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. ____ Company ____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name ____

Lender's Address ____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant ____ Date 8/19/80

Mailing Address ____

City, State, Zip ____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	12/15/20	
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Rafts., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	12/22/20	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sil., Bonding, Exp. Soil, Ramp Loc., Surcharge.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION:		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Arrow Hwy

Owner: AMERON STEEL, I Comp

Mailing Address: SAME

City: Rancho Cucamonga | Zip: | Tel.: 984 2504

Contractor: W Hutchison Electric Co.

Address: 553 So "E" St

City: San Bernardino | Zip: 92410 | Tel.: 889 9895

State Lic. & Classif.: C-10 | City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of [illegible] of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

☐ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. DC 116805 Company _____

☒ Copy is filed with the city. ☐ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions, or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: W J Jackson Date: 8-15-80

Mailing Address _____

City, State, Zip _____

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 2 1200A 2)	20 00
	Outlets (Receptacles, Lights, Switches) 21 3	11 00
	Fixtures 15	7 50
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	45 70

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 45 70

Processed By: [illegible] Spec. Cond.

Permit No.: 02529 Validation: [illegible] Date: 8-15-80

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is suspended for 120 days.

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING OK	8/5/80	Hall	
	NEW SERVICE			
	FIXTURES OK	9/12/80	Hall	
	FINAL ELEC. INSP. OK	9/12/80	Hall	
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL/SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW				
Lot. No.	Block	Tract	No. Stories	Type Const.	Occ. Group
Owner	AMERON - TAMCO		Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Mailing Address	12459 ARROW - PO BOX 325		No. Bedrooms	Lot Size / Size	APN
City	ETIWANDA	Zip 91739 Tel 987-2521	Approved Plan. Div.	Approved Eng. Div.	Approved Fire Dist.
Contractor	OWNER		Special Conditions:		
Address	(SAME AS ABOVE)				
City	Zip	Tel.	VALUATION: $	1000.00	
State Lic. & Classif.		City Lic. No.	PLAN CHECK		17 50
Arch., Engr., Designer			PERMIT		
Address		Tel.	DRAINAGE		
City	Zip	State Lic. No.	SYSTEMS		
Proposed Construction	MONUMENT TYPE SIGN ERECTION (REMOVE OLD NON-CONFORMING SIGN)		BEAUTIF.		
Sq. Ft. Size	32 SQ FT	No. Stories / No. Dw. Units	PARK		Park
New ☑ Add. ☐ Alter. ☐ Repair ☐ Demolition ☑			OTHER		
			Processed By	School Fee Pmt. Verified	TOTAL 17.50
			Permit No.	84-8425	Validation / Date 12/18/84

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☑ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 12/17/84 Owner TAMCO / R Barmir

WORKERS' COMPENSATION DECLARATION

☑ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant AMCON / TAMCO Date 12/17/84

Mailing Address 12459 ARROW PO BOX 325

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.		
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER.		
PERCOF:		
SIGN(S):	2-24-86	Thomas
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY		
Lot No.	Block	Tract	
Owner	AMERON		
Mailing Address	12459 ARROW HWY		
City	R.C.	Zip 91739	Tel (714) 899-1723
Contractor	OWNER - Ameron		
Address	12459 Arrow Highway		
City	Etiwanda	Zip 91739	Tel (714) 899-1723
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

☒ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____ B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self insure or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this applicant and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Mary L. Ameron Date July 30, 1987

Mailing Address Post Office Box 8

City, State, Zip Etiwanda, CA 91739

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan includ. Duct	1	Other: BOILER 20 H.P.	20 00
	Plan Chk. Fee / Issuance Fee			7 00
	TOTAL MECHANICAL FEES			27 00

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	1	Gas System (No. Outlets 1)	3 50
	Lavatories		Water H '	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee / Issuance Fee (PAID)			7 00
	TOTAL PLUMBING FEES			10 50

TOTAL ELEC., MECH., PLMBG. FEES 37 50

Processed By RMD. Spec. Cond.

Permit No. 87-10333 Validation Date 7/30/87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECO			INSPECTOR NOTES: SAFE MAX. PRESSURE 30PSI
ELECTRICAL	UNDERGROUND CONDUIT		
	ROUGH WIRING		
	NEW SERVICE		133 WORKING PRESS
	FIXTURES		MAX. WATER TEMP. 210°
	FINAL ELEC. INSP.		
	TEMP. POWER POLE		
	OTHER		
	OTHER		
	ELEC. UTILITY CLRNCE.		
MECHANICAL	U. G. DUCTS/REFRIG. LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs	CJ	9/17/87
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports		
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
	GAS TEST		
	FINAL PLMBG. Fixtures, Valves, Services	CJ	9/17/87
	WATER HTR. Vent, Valves, Press. Rel. Valve		
	SEWER/PRIV. DISP. SYSTEM		
	OTHER		
	OTHER		
	GAS UTILITY CLRNCE.		
SWIM POOL / SPA	BONDING		
	U.G. CONDUIT		
	GAS PIPING Material, Depth		
	GAS TEST		
	HEATER Vent, Clearance, Location, Shut-off		
	FINAL POOL ELEC.		
	FINAL POOL PLMBG.		
	OTHER		
	INSPECTION	DATE	INSP. SIGN.

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY., ETIWANDA, CA		No. Stories	Type Const.	Occ. Group M-1
Lot No.	Block	Tract	Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Owner	AMERON STEEL & WIRE DIVISION		No. Bedrooms	Lot Size	APN
Mailing Address	P.O. BOX 8 12459 ARROW HWY.		Approved Plan. Div.	BN 2/26/88	Approved Eng. Div.
City	ETIWANDA	Zip 91739 Tel. (714) 899-1723	Special Conditions:		Approved Fire Dist.
Contractor	OWNER - BUILDER				
Address					
City	Zip	Tel.			
State Lic. & Classif.		City Lic. No.			
Arch., Engr., Designer	T. SONG - YING ENG GEORGE C. HOPKINS CONSTR. CO.				
Address	1500 GARDENA AVE.	Tel. (213)245-1136			
City	GLENDALE	Zip 91204 State Lic. No. C03288			
Proposed Construction	(1) Storage Tank Foundation & (U) Equipment Pad				
Sq. Ft. Size	250 + 350	No. Stories 1	No. Dw. Units		
New ☒	Add. ☐	Alter. ☐	Repair ☐	Demolition ☐	

VALUATION: $ 11,000 est

FEES			
	PLAN CHECK	64	88
	PERMIT	86	50
	DRAINAGE		
	SYSTEMS		
	BEAUTIF		
	PARK		
	OTHER		
	TOTAL	151	38

Processed By [illegible] School Fee Pmt. Verified

Permit No. 88-2124 Validation 12 Date 2-26-88

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors' License Law.)

○ I am exempt under Sec. B. & P. C. for this reason

Date Owner

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. Company

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name

Lender's Address

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date 2/26/88

Signature of Applicant [signature]

Mailing Address Ameron Steel & Wire P.O. Box 8

City, State, Zip Etiwanda CA 91739

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECORD

FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.	3-3-88	R.L.
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bldg. Footings Walls #2	3-15-88 3-22-88	R.L. R.L.
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.		
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stops.		
INSULATION: Thickness, R Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted. Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	5-13-88	R.L.

SWIMMING POOL/SPA

EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Clears, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		

MISCELLANEOUS

SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
BLENDER:		
RE-ROOF:		
BURNER:		
NOTICE:	DATE	INSP. SIGN.

INSPECTION NOTES:

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12457 ARROW ROUTE		
Lot. No.	Block	Tract	
Owner	AMERON		
Mailing Address	PO BOX 8		
City	ETIWANDA	Zip 91739	Tel. 899 1723
Contractor	KENT ELECTRIC CO		
Address	11631 INDUSTRY AVE		
City	FONTANA	Zip 92335	Tel. 881 2460
State Lic. & Classif.	C10 305570	City Lic. No.	012785

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7051) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for this reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be revoked.

I certify that I have read this application and state that the foregoing information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 3/9/88

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size 225 Amp 460 V.)	25 00
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. 30, 7.5, 5, 3, 2, 1½)	42 00
	Other (Specify 3 KVA TRANS.)	5 00
	Sq. Ft. Area New Residential Bldg. ____ @ ____	
	Sq. Ft. Area New Res. Accessory Bldg. ____ @ ____	
	Plan Chk. Fee ____ Issuance Fee	17 00
	TOTAL ELECTRICAL FEES	79 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Unit Heater		Air Handler to & includ. 10,000 cfm	
	Duct Work/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee ____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets ____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk Fee ____		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 79 00

Processed By TOtee | Spec. Cond.

Permit No. 58-2582 | Validation CP | Date 3-9-88

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.	5-9-18	C Bailey	
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PR. V. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

617 0277

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW HWY, ETIWANDA, CA		
Lot No.	Block	Tract	
Owner	AMERON STEEL & WIRE DIVISION		
Mailing Address	P.O. Box 8		
City	ETIWANDA	Zip 91739	Tel. (714) 899-1723
Contractor	OWNER - BUILDER		
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date 04-08-88 Owner W. Frank E. Sauch

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant W. Frank E. Sauch Date 04-08-88

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size.....)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. .....)	
	Other (Specify .....)	
	Sq. Ft. Area New Residential Bldg. .....@.....	
	Sq. Ft. Area New Res. Accessory Bldg. .....@.....	
	Plan Chk. Fee ..... Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets.....)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other URBID	3.50
	Plan Chk. Fee		Issuance Fee	7.00
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES			10.50
Processed By		Spec. Cond.	
Permit No. 88-4252	Validation	Date 4-8-88	

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

ELECTRICAL	UNDERGROUND CONDUIT			INSPECTOR NOTES
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings	5-13-88	RR	
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services	5-13-88	RR	
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

JK12

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address	12459 ARROW RT.
Block / Tract	
Lot No.	
Owner	TAMCO
Mailing Address	PO BOX 325
City	ETIWANDA
Zip	91739
Tel	987 2521
Contractor	KENT ELECTRIC
Address	11631 INDUSTRY AVE
City	FONTANA
Zip	92335
Tel	829 7966
State Lic. & Classif.	C10 305570
City Lic. No.	

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code)

Policy No. 000753108S7 Company CAL. CASUALTY

☒ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 5/2/88

Mailing Address 11631 INDUSTRY AVE

City, State, Zip FONTANA CA 92335

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
11	Outlets (Receptacles, Lights, Switches)	5 50
	Fixtures	
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	12 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			CASH

TOTAL ELEC., MECH., PLMBG. FEES 12 50

Processed By _____ Spec. Cond. _____

Validation _____

Permit No. 88-5116

Date 5/2/88

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION REC			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES	6/22/89	DT	
	FINAL ELEC. INSP.	6/26/89	DT	
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services			
	WATEP HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

8705 0537

J-K-13

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 Arrow Highway		
Lot. No.	Pcl. 2	Block 121	Tract PM 2421
Owner	TAMCO		
Mailing Address	P.O. Box 325		
City	Etiwanda	Zip 91739	Tel. 987-2521
Contractor	OWNER		
Address			
City		Zip	Tel.
State Lic. & Classif.			City Lic. No.
Arch., Engr., Designer	Ely Energy, Inc.		
Address	11385 E. 60th Place So.		Tel. 918-250-6600
City	Tulsa, OK	Zip 74146	State Lic. No.
Proposed Construction	LP Gas Storage Tanks		
Sq. Ft. Size	3,000	No. Stories 1	No. Dw. Units

New [X] Add. [ ] Alter. [ ] Repair [ ] Demolition [ ]

No. Stories	Type Const.		Occ. Group
Occ. Load	No. Dw. Units	Use Permit Required [ ]	Des. Rev. Required [ ]
Nc. Bedrooms	Lot Size		APN 209-121-33

Approved Plan. Div. 12/13/89 Approved Eng. Div. 11/29/89 Approved Fire Dist.

Special Conditions: As per conditions listed in 11/30/89 letter.

VALUATION: $ 200,000

FEES			
PLAN CHECK	89-10271		
PERMIT		699	00
DRAINAGE			
SYSTEMS			
BEAUTIF	OK		
PARK			
OTHER			
Processed By	School Fee Paid, Verified	TOTAL	699 00

Permit No. 89-16358 Validation DE Date 12/14/89

LICENSED CONTRACTOR'S DECLARATION

[ ] I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

[X] I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

[ ] I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

[X] I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

[ ] I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 12/13/89 Owner _____

WORKERS' COMPENSATION DECLARATION

[ ] I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

( ) Copy is filed with the city. ( ) Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

[X] I certify that in the performance of the work, for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

[ ] I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 12/13/89

Mailing Address P.O. Box 325

City, State, Zip Etiwanda, CA 91379

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

FOUNDATION: Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation	12/13/89	DF
FLOOR SLAB/JSTS., GIRDERS: Mach. Vap. Barrier, Blkg., Spans, Access. Vents, Tr. Embr.		
MASONRY: Reinf., Mortar, Grout Lifts, Clean-Outs, Bolts. Walls	12/15/89	DF
ROOF SHTG.: Nailing, Blocking, Material, Cradle and Thickness, Roof Drains.		
FRAMING: Walls, Refr., Jsts., Blocking, Bracing, Nailing, Pockets, Diaphr. Drag Struts.		
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR LATH/DRY WALL: Nailing, Supports, Tapes, Joint Reinf.		
EXTERIOR LATH/SHTG.: Mesh, Fasteners, Lath, Paper, Thickness, Backing.		
FINAL INSPECTION: Finish Grading Certif., Slope, Plant., Sewage Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Cmpl.	6-[illegible]-90	J.J. All corrections done.
SWIMMING POOL/SPA		
EXCAV., REINF., SETBACKS: Radius Stl., Bonding, Exp Soil, Ramp Loc., Surcharge, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH		
RETAINING WALL		
DUST COLLECTION SYSTEM		
VENEER		
RE ROOF		
SIGN(S)		
INSPECTION	DATE	INSP. SIGN.

INSPECTION NOTES

6-2-90 Finaled by KFP
by TIM Ferguson

J-K-14

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 Azad Hwy

Lot. No. / Block / Tract:

Owner: TAMCO

Mailing Address: P.O. Box 325

City: FONTANA | Zip: 91729 | Tel.: (714)-987-2521

Contractor: TAMCO - owner

Address:

City | Zip | Tel.:

State Lic. & Classif. | City Lic. No.:

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date 2 Feb 90 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 2 Feb 90

Mailing Address _____

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size)	
	Outlets (Receptacles. Lights, Switches)	
	Fixtures	
	Motors (HP ea.)	
	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. @	
	Sq. Ft. Area New Res. Accessory Bldg. @	
	Plan Chk. Fee / Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Fir./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Others	
	Plan Chk. Fee / Issuance Fee			
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	1	Gas System (No. Outlets 1)	3 50
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System ~~COST~~	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers	1	Other ~~PROPANE SYSTEM~~	3 50
	Plan Chk. Fee / Issuance Fee			7 00
	TOTAL PLUMBING FEES			14 00

TOTAL ELEC., MECH., PLMBG. FEES 14 00

Processed By: [signature] | Spec. Cond.:

Permit No. 90-946 | Validation R | Date 2/2/90

INSPECTOR COPY

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION RECORD			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports	2/6/90	DT	
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST	2/6/90	DT	
	FINAL PLMBG. Fixtures, Valves, Services	6-25-90	J.G.	SEWER/PRIV. DISP. SYSTEM DIAGRAM
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.	6/27/90	DL	
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address	12459 Arrow Highway
Lot No. / Block / Tract	
Owner	TAMCO
Mailing Address	P.O. Box325
City / Zip / Tel.	Etiwanda / 91739 / 714 987-2521
Contractor	CDK
Address	1490 Rubidoux Blvd.
City / Zip / Tel.	Riverside CA / 92509 / 782-8208
State Lic. & Classif. / City Lic. No.	419618-A-B EC10 /

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date 2-27-90 Owner _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant _____ Date 2-27-90

Mailing Address P.O. Box 325 1490 Rubidoux Blvd

City, State, Zip Etiwanda, CA 91739 Riverside, Ca. 92509

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
1	Services (Size 1 600-A 480V)	37 50
11	Outlets Gen Lts & Recps (Receptacles, Lights, Switches)	8 25
0	Fixtures 7.50 7.50 7.50 7.50	30 00
4	Motors (HP ea. ~~7.5HP~~ ~~10HP~~ ~~10HP~~ ~~1.5HP~~ 200HP 5HP 5HP 3/4HP)	~~60~~ ~~30~~
0	Other (Specify)	
	Sq. Ft. Area New Residential Bldg. 0 @	
	Sq. Ft. Area New Res. Accessory Bldg. 210 @	
	Plan Chk. Fee 6188 / Issuance Fee	15
	#90-127 TOTAL ELECTRICAL FEES	82 50

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	150 75
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Sus. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee		Issuance Fee	
	TOTAL PLUMBING FEES			

TOTAL ELEC., MECH., PLMBG. FEES 150 75

Processed By PB Spec. Cond.

Permit No. 90-3129 Validation CV Date 4-17-90

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

0177 0004

	INSPECTION REC			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			5-11-90 ~ Need to be inspect
	NEW SERVICE			Items 3-4-#6 Dated ~ 4-23-90
	FIXTURES			Correction Inst.
	FINAL ELEC. INSP.	6-15-90	CB	
	TEMP. POWER POLE			6-13-90 Door Tag CB
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.	6/27/90	ds	
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			
	FINAL PLMBG. Fixtures, Valves, Services			
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM			
	OTHER			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

SEWER/PRIV. DISP. SYSTEM DIAGRAM

A-77-0085

J-K-13

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW ROUTE		
Lot No.	Block	Tract	
Owner	AMERON WIRE & STEEL		
Mailing Address	12459 ARROW ROUTE		
City	ETIWANDA	Zip 91739-0000	Tel.
Contractor	SOUTHERN CAL EQUIP. CO		
Address	1334 W. GLADSTONE ST		
City	AZUSA	Zip 91790	Tel. 818-334-0205
State Lic. & Classif.	458771 C-61	Lic. Expiration	Bonding
Arch., Engr., Designer	PAULSON ENG.		
Address			Tel.
City	GLENDORA	Zip	State Lic. No. S-1608
Proposed Construction	PERSONNEL PLATFORM FOR AIR SYSTEM ON ROOF W/ ACCESS LADDER ON EXTERIOR WALL		
Sq. ft. Size	No. Stories	No. Dwg. Units	

New ☐ Add. ☐ Alter. ☐ Repair ☐ Demolition ☐

No. Stories	Type Const.		Occ. Group M-1
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Area		APN 229-13-03
Approved Plan. Div. 9/11/89	Approved Eng. Div. 9/19/89		Approved Fire Dist.
Special Conditions:			

VALUATION: $ 12,000

FEES		
PLAN CHECK	#89-1318-0	92.50
PERMIT		
DRAINAGE		
SYSTEMS		
BEAUTIF		
PARK		
OTHER		
Processed By	School Fee Emt. Verified	TOTAL 92.50

Permit No. 89-1355 Validation Date 10-4-89

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

James C. Southerland

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Code*: *Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code*: *The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code*: *The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code*.)

Policy No. 104464-89 Company STATE FUND

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT- If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code*.)

Lender's Name N/A

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant James C. Southerland Date 9-15-89

Mailing Address 1334 W. GLADSTONE ST

City, State, Zip AZUSA, CA. 91702

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Or. Certif. Comp. Tests, Setbacks) Forms, Reinf. Steel, Excavation		
FLOOR SLAB/TSTG., CRIDERS (Mark Vac. Barrier, Bldg., Sparks, Access, Vents, Termite)		
MASONRY: Reinf., Mortar, Jts., Finish, Lintels, Grout, Cure, Bolts		
ROOF SHTG: (Nailing, Blocks, Blocking, Marks of Grade and Thickness, Roof Plans		
FRAMING: Wood, Bolts, Jts., Blocking, Engrg., Nailing, Bolting, Connectors, Roof Plan		
INSULATION: Thickness, R-Value, Piping, Vapor Barrier		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links		
INTERIOR LATH, DRY WALL: Nailing, Supports, Lath, Joint Reinf.		
EXTERIOR LATH, STUCCO: Mesh, Fasteners, Lath, Paper, Thickness, Backing		
FINAL INSPECTION: Fence, Gates, Comb. Clear, Plant, Energy Comp., Solid Fence, Exp. Joint, Fire Sprnk., Exits, Locking Devices, Handicap, House Numbers, Weather Stripping, Fire Dept. Clear	4/11/90	

SWIMMING POOL/SPA

EXCAV., REINF., SETBACKS: Radius Sft., Bonding, Exp. Jt., Ramp Loc., Drainage, Spa Ident.		
FENCE/GATES: Height, Closers, Alarm(s), Latches, Stability.		
FINAL INSPECTION: Pool Cover		

MISCELLANEOUS

SPRAY PAINT Bbooth		
BRACING WALL		
DUST COLLECTION SYSTEM		
VENEER		
FLOOR		
SIGN(S)		

INSPECTION NOTES

Industrial Wire is the - - - -
Owner of this permit

1st Rebuild Notice sent
6/29/90 Dc

BUILDING AND SAFETY DIVI[illegible]

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, CA 91730 • Tel. (714) 989-1863

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 ARROW RT.			
Lot. No.	Block	Tract	
Owner: TAMCO			
Mailing Address: P.O. Box 325			
City: ETIWANDA	Zip: 91739	Tel.: 987-2521	
Contractor: Owner			
Address			
City	Zip	Tel.	
State Lic. & Classif.		City Lic. No.	
Arch., Engr., Designer: DONALD R. WARREN CO.			
Address: 930 W. SUNSET BLVD		Tel.: 213-626-0101	
City: LOS ANGELES	Zip: 90012	State Lic. No.	
Proposed Construction: BUILDING ADDITION			
Sq. Ft. Size: 5,000	No. Stories: 1	No. Dw. Units	
New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐			

No. Stories: 1	Type Const.: II-N		Occ. Group: B-2
Occ. Load	No. Dw. Units	Use Permit Required ☐	Des. Rev. Required ☐
No. Bedrooms	Lot Size Size		APN
Approved Plan. Div.	Approved Eng. Div.		Approved Fire Dist.

Special Conditions: PC, 87-11087

VALUATION: $ 100,000

FEES			
	PLAN CHECK		
	PERMIT	442	00
	DRAINAGE		
	SYSTEMS		
	BEAUTIF		
	PARK		
	OTHER		
Processed By: TRM	School Fee Cert. Verified: 11-23-87	TOTAL	442 00
Permit No.: 87-15240	Validation: CP	Date: 11-23-87	

LICENSED CONTRACTOR'S DECLARATION

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OWNER-BUILDER DECLARATION

☒ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (*Sec. 7031.5. Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (*Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

☐ I am exempt under Sec. _____, B. & P. C. for this reason _____

Date: 11-23-87 Owner: [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (*Sec. 3800, Labor Code.*)

Policy No. _____ Company _____

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(*This section need not be completed if the permit is for one hundred dollars ($100) or less.*)

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NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (*Sec. 3097, Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: [signature] Date: 11-23-87

Mailing Address _____

City, State, Zip _____

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation)	12-1-87	Thomas
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Blkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	3-23-88	RL
FRAMING: Walls, Raft., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stop/.	3-23-88	RL
INSULATION: Thickness, R-Values, Fitting, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.	5-23-88	RL
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Pkg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/14/92	
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Stl., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

11-30-87 Pad ftgs @ grid line C+E Thomas

12-9-87 GM TIE BEAM AT NORTH PILE CAPS

12-9-87 PANELS STEEL LINE B (15-13)

· LINE 15 (G-D) G (13-14) INSPECTED PRIOR TO STAMPED SET OKD PER JIM C. ~~[illegible]~~ PANEL STEEL LAYOUT CORRECTIONS WITH ~~[illegible]~~ APPROVED SET STAMPED 12.10.87 GM

12.17.87 GM EXT SKIRT WALLS + GRADE BEAM NORTH WALL INT PIER SKIRT WALLS

12.18.87 GM · INSPECTION ON SITE. CHARLES MANSON LIC COUNTY # 0386 FOR CONCRETE 110 405 +

12-22-87 WAINSCOTE PANELS LINE 15 (D-B) LINE G 14-15.

12-29-87 GM PERIMETER SLABS

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

department of COMMUNITY DEVELOPMENT

ELEC./MECH./PLMBG. PERMIT

Building Address: 12459 ARROW ROUTE
Lot No. / Block / Tract:
Owner: AMERON
Mailing Address: P.O. BOX 8
City: ETIWANDA Zip: 91739 Tel: 899 1723
Contractor: KENT ELECTRIC CO
Address: 11631 INDUSTRY AVE
City: FONTANA Zip: 92335 Tel: 829 7966
State Lic. & Classif.: C10 305570 City Lic. No.: PENDING

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

- I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.
- I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.
- I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 00075310860 Company: Calif. Casualty

- Copy is filed with the city.
- Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: _____ Date: 8/9/87

Mailing Address: _____

City, State, Zip: _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
2	Outlets (Receptacles, Lights, Switches)	100
	Fixtures	
	Motors (HP ea. 1 - 3/4 HP)	
	Other (Specify Boiler 120 V)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	7 00
	TOTAL ELECTRICAL FEES	8 00

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Others:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL PLUMBING FEES			N/A

TOTAL ELEC., MECH., PLMBG. FEES 8 00

Processed By: _____ Spec. Cond.: _____

Permit No.: 87-1299 Validation: SM Date: 8-9-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

	INSPECTION REC		INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT		
	ROUGH WIRING	3-25-92 RL	
	NEW SERVICE		
	FIXTURES		
	FINAL ELEC. INSP.	9/14/92 GZ	
	TEMP. POWER POLE		
	OTHER		
	OTHER		
	ELEC. UTILITY CLRNCE.		
MECHANICAL	U. G. DUCTS/REFRIG. LINES		
	RO. MECH. Ducts, Comb. Air, Supports, Vents		
	FINAL MECH. FAU/AC Unit Vents, Shutoffs		
	OTHER		
	OTHER		
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports		
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
	GAS TEST		SEWER/PRIV. DISP. SYSTEM DIAGRAM
	FINAL PLMBG. Fixtures, Valves, Services		
	WATER HTR. Vent, Valves, Press. Rel. Valve		
	SEWER/PRIV. DISP. SYSTEM		
	OTHER		
	OTHER		
	GAS UTILITY CLRNCE.		
SWIM POOL / SPA	BONDING		
	U.G. CONDUIT		
	GAS PIPING Material, Depth		
	GAS TEST		
	HEATER Vent, Clearance, Location, Shut-off		
	FINAL POOL ELEC.		
	FINAL POOL PLMBG.		
	OTHER		
	INSPECTION	DATE	INSP. SIGN.

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1851

BUILDING PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 ARROW			No. Stories	Type Const.	Occ. Group
Lot. No.	Block	Tract	Occ. Load	No. Dw. Units	Use Permit Required ☐ / Des. Rev. Required ☐
Owner: TAMCO			No. Bedrooms	Lot Size	APN
Mailing Address: 12459 ARROW, PO BOX 325			Approved Plan. Div.: ALL 2-27-86	Approved Eng. Div.: 3/19/86	Approved Fire Dist.
City: ETIWANDA	Zip: 91739	Tel: 987-2521	Special Conditions: EXTERIOR FINISH TO MATCH EXISTING PORTION OF BLDG.		
Contractor: OWNER/METRO STEEL BLDG'S					
Address: 1520 W ROOSEVELT ST.					
City: AZUSA	Zip: 91702	Tel: 818 334-5121	VALUATION: $		
State Lic. & Classif.: 147878 B1		City Lic. No.			
Arch., Engr. Designer: RICHARD O. PERRY			FEES: PLAN CHECK		
Address: 220 F S. INDIAN HILL BLVD		Tel: 714 626-8005	PERMIT	343	00
City: CLAREMONT	Zip: 91711	State Lic. No. 14342	DRAINAGE		
Proposed Construction: 2-BAY ADDITION TO EXISTING STEEL BLDG.			SYSTEMS		
			BEAUTIF.		
			PARK		
			OTHER		
Sq. Ft. Size: 3570	No. Stories: 1	No. Dw. Units	Processed	School Fee Pmt. Verified	TOTAL 343 00
New ☐ Add. ☒ Alter. ☐ Repair ☐ Demolition ☐			Permit No. 861235	Validation	Date 10-15-86

LICENSED CONTRACTOR'S DECLARATION

☐ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, *Business and Professions Codes: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law, Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom, and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit, subjects the applicant to a civil penalty of not more than five hundred dollars ($500).*

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.*)

☑ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, *Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.*)

○ I am exempt under Sec. _____ B. & P. C. for this reason _____

Date 2/20/86 Owner TAMCO BY [signature]

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, *Labor Code*)

Policy No. 2015-00-053498 Company WAUSAU

○ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

☐ I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, *Civil Code.*)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant TAMCO BY [signature] Date 2/20/86

Mailing Address PO BOX 325

City, State, Zip ETIWANDA, CA 91739

INSPECTOR COPY

This is a building permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTION RECORD

INSPECTION	DATE	INSP. SIGN.
FOUNDATION: (Gr. Certif. Comp. Tests, Setbacks, Forms, Reinf. Steel, Excavation.		
FLOOR SLAB/JSTS., GIRDERS: Mesh, Vap. Barrier, Bkg., Spans, Access, Vents, Tr. Lmbr.		
MASONRY: Reinf., Mortar Jts., Grout Lifts, Clean-Outs, Bolts.		
ROOF SHTG: Nailing, Diaph. Blocking, Material Grade and Thickness, Roof Drains.	3-28-00	RR
FRAMING: Walls, Ralt., Jsts., Blocking, Bracing, Nailing, Backing, Diaphr. Draft Stp.	3-28-00	RR
INSULATION: Thickness, R-Values, Piping, Sound Caulking.		
FIREWALLS: Material, Thickness, Dampers, Doors, Closers, Fusible Links.		
INTERIOR: LATH/DRY WALL: Nailing, Supports, Laps, Joint Reinf.		
EXTERIOR LATH/SIDING: Mesh, Fasteners, Laps, Paper, Thickness, Backing.	3-23-00	RR
FINAL INSPECTION: Finish Grading Certif., Slope Plant., Energy Compl. Card Posted, Plg. Access, Fire Doors, Exits, Locking Devices, Landings, House Numbers, Weather Stripping, Pl./Engr. Clear.	9/14/00	a
SWIMMING POOL/SPA		
EXCAV. REINF. SETBACKS: Radius Sit., Bonding, Exp Soil, Ramp Loc., Surchage, Spa Ident.		
FENCE/GATES: Height, Closers, Accessibility, Latches, Stability.		
FINAL INSPECTION: Pool Cover		
MISCELLANEOUS		
SPRAY PAINT BOOTH:		
RETAINING WALL:		
DUST COLLECTION SYSTEM:		
VENEER:		
RE-ROOF:		
SIGN(S):		

INSPECTION NOTES

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address	12459 ARROW ROUTE		
Lot. No.	Block	Tract	
Owner	TAI.		
Mailing Address	12459 ARROW ROUTE		
City	ETIWANDA CA	Zip	Tel.
Contractor	ADVANCE MECHANICAL CONTRACTORS Inc		
Address	1456 E. HILL ST.		
City	LONG BEACH CA	Zip 90806	Tel. (213) 426-1725
State Lic. & Classif.	262042 A,C-36	City Lic. No.	pending

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. 40-0376-86-4 Company USF&G

○ Copy is filed with the city. ◉ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing indicated declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant Bart Bartolome Date 3-5-87

Mailing Address SAME

City, State, Zip _____

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. _____)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & Includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & Includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Other:	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets	3	Gas System (No. Outlets 1)	10 50
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks		Sewer Conn.	
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee	7 00
	TOTAL PLUMBING FEES			17 50

TOTAL ELEC., MECH., PLMBG. FEES 17 50

Processed By RM	Spec. Cond.	
Permit No. 87-3369	Validation OK	Date 3-5-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

INSPECTOR COPY

INSPECTION REC		
UNDERGROUND CONDUIT		
ROUGH WIRING		
NEW SERVICE		
FIXTURES		
FINAL ELEC. INSP.		
TEMP. POWER POLE		
OTHER		
OTHER		
ELEC. UTILITY CLRNCE.		
U. G. DUCTS/REFRIG. LINES		
RO. MECH. Ducts, Comb. Air, Supports, Vents		
FINAL MECH. FAU/AC Unit Vents, Shutoffs		
OTHER		
OTHER		
U.G./UNDER FLR. Soil, Water, Gas, Supports		
RO. PLMBG. Water, Gas, Vents, Supports, Flashings		
GAS TEST		
FINAL PLMBG. Fixtures, Valves, Services	9/14/92	CJ
WATER HTR. Vent, Valves, Press. Rel. Valve		
SEWER/PRIV. DISP. SYSTEM		
OTHER		
OTHER		
GAS UTILITY CLRNCE.		
BONDING		
U.G. CONDUIT		
GAS PIPING Material, Depth		
GAS TEST		
HEATER Vent/ Clearance, Location, Shut-off		
FINAL POOL ELEC.		
FINAL POOL PLMBG.		
OTHER		
INSPECTION	DATE	INSP. SIGN.

INSPECTOR NOTES

GASLINE GOING FROM HIGH PRESSURE TO LOW PRESSURE 4 1/2 VAULTS FOR REGULATORS. O.K. TO COVER GAS LINE & TUE 9/17/92 VAULTS (LINE 4' DEEP) CJ

SEWER/PRIV. DISP. SYSTEM DIAGRAM

BUILDING AND SAFETY DIVISION

city of rancho cucamonga

9320 Baseline, Rancho Cucamonga, Ca. 91730 • Tel. (714) 989-1863

ELEC./MECH./PLMBG. PERMIT

department of COMMUNITY DEVELOPMENT

Building Address: 12459 ARROW HWY
Lot No. / Block / Tract:
Owner: TAMCO
Mailing Address: 12459 ARROW HWY
City: RANCHO CUCA. Zip: 91730 Tel: (714) 987-2521
Contractor: B+A CONSTRUCTION
Address: 10747 FREMONT
City: ONTARIO Zip: 91761 Tel: 714 623-2427
State Lic. & Classif.: 504541 A City Lic. No.: 5601

LICENSED CONTRACTOR'S DECLARATION

☒ I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

OWNER-BUILDER DECLARATION

☐ I hereby affirm that I am exempt from the Contractor's License Law for the following reason:

○ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.

○ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

○ I am exempt under Sec. _____, B. & P. C. for the reason: _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof. (Sec. 3800, Labor Code.)

Policy No. C2793080 3 Company PACIFIC MUT. INS. CO.

⊗ Copy is filed with the city. ○ Certified copy is hereby furnished.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the foregoing is/its declarations are correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant: Allen Bowe Date: 11/4/87

Mailing Address: 10747 FREMONT AVE.

City, State, Zip: ONTARIO, CALIF. 91761

INSPECTOR COPY

ELECTRICAL SYSTEM

No.	Description (Additions, Commercial, Industrial)	Fee
	Services (Size _____)	
	Outlets (Receptacles, Lights, Switches)	
	Fixtures	
	Motors (HP ea. _____ 2)	
	Other (Specify _____)	
	Sq. Ft. Area New Residential Bldg. _____ @ _____	
	Sq. Ft. Area New Res. Accessory Bldg. _____ @ _____	
	Plan Chk. Fee _____ Issuance Fee	
	TOTAL ELECTRICAL FEES	

MECHANICAL SYSTEM

No.	Description	No.	Description	Fee
	FAU to & includ. 100,000 BTU		Boiler/Compr. to & includ. 3 HP	
	FAU over 100,000 BTU		Boiler/Compr. over 3 HP to 15 HP	
	Flr./Wall/Susp. Heaters		Air Handler to & includ. 10,000 cfm	
	Spray Booth/ Exhaust Hood		Air Handler over 10,000 cfm	
	Vent Fan Includ. Duct		Others	
	Plan Chk. Fee _____		Issuance Fee	
	TOTAL MECHANICAL FEES			

PLUMBING SYSTEM

No.	Description	No.	Description	Fee
	Water Closets		Gas System (No. Outlets _____)	
	Lavatories		Water Heaters	
	Bathtubs, Showers		Private Sew. Disp. System	
	Kitchen Sinks	1	Sewer Conn.	100 00
	Laundry Trays, Auto. Washers		Other	
	Plan Chk. Fee _____		Issuance Fee (Cash)	17 00
	TOTAL PLUMBING FEES			117 00

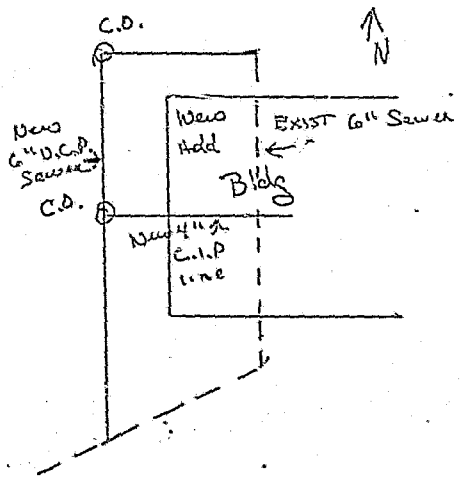
TOTAL ELEC., MECH., PLMBG. FEES: 117 00

Processed By: T Pitts
Spec. Cond.:
Permit No.: 87-14748
Validation: 296
Date: 11-4-87

This is an electrical/mechanical/plumbing permit when properly filled out, signed and validated, and is subject to expiration if work thereunder is not commenced or is suspended or abandoned for 180 days.

	INSPECTION REQUIRED			INSPECTOR NOTES
ELECTRICAL	UNDERGROUND CONDUIT			
	ROUGH WIRING			
	NEW SERVICE			
	FIXTURES			
	FINAL ELEC. INSP.			
	TEMP. POWER POLE			
	OTHER			
	OTHER			
	ELEC. UTILITY CLRNCE.			
MECHANICAL	U. G. DUCTS/REFRIG. LINES			
	RO. MECH. Ducts, Comb. Air, Supports, Vents			
	FINAL MECH. FAU/AC Unit Vents, Shutoffs			
	OTHER			
	OTHER			
PLUMBING	U.G./UNDER FLR. Soil, Water, Gas, Supports			
	RO. PLMBG. Water, Gas, Vents, Supports, Flashings			
	GAS TEST			
	FINAL PLMBG. Fixtures, Valves, Services	9/14/87		
	WATER HTR. Vent, Valves, Press. Rel. Valve			
	SEWER/PRIV. DISP. SYSTEM	11.5.87	TM	
	OTHER + CAST IRON BRACKET			
	OTHER			
	GAS UTILITY CLRNCE.			
SWIM POOL / SPA	BONDING			
	U.G. CONDUIT			
	GAS PIPING Material, Depth			
	GAS TEST			
	HEATER Vent, Clearance, Location, Shut-off			
	FINAL POOL ELEC.			
	FINAL POOL PLMBG.			
	OTHER			
	INSPECTION	DATE	INSP. SIGN.	

SEWER/PRIV. DISP. SYSTEM DIAGRAM



Building Permit

RANCHO CUCAMONGA

Building & Safety Department

Site Address: 12459 ARROW RTE B **Record Number: PMT2019-00293**

Parcel #: 022913124-0000 Lot: Issued Date: 06/06/2019
Tract: Phase: Parcel Area:
Project Description: EDR Fire Service Upgrades as required in the previously approved Fire Protection Plan for CMC Metals

Owner
TREE ISLAND WIRE (USA) INC
3880 W VALLEY BLVD
No Phone

Contractor
P M C INC
14563 MANZANITA DRIVE
562-905-3101

License No.
848448

Fees	
Type	Amount
Technology Fee	$22.96
Inspection Fee	$328.00
Plan Check Fee	$328.00
Processing Fee - Commercial Routed	$328.00
General Plan Maintenance Fee	$65.60
Permit Fee:	**$1,072.56**

Fire Alarm Detail	
Fixture Type	Qty

Fire Miscellaneous Detail	
Fixture Type	Qty

Fire Underground Detail	
Fixture Type	Qty
Private Underground Fire Service	1

FINALED
3/17/20
TG

I verify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 6-6-19

THIS IS A PERMIT WHEN PROPERLY COMPLETED AND SIGNED. THIS PERMIT IS SUBJECT TO EXPIRATION IF THE WORK AS DESCRIBED IN THE PERMIT IS NOT COMMENCED, IS ABANDONED, OR IS SUSPENDED FOR MORE THAN 180 DAYS.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale.).
- ☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).
- ☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Date _____

_____
Signature of Property Owner or Authorized Agent:

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A License No. 848448

Date: 6-6-19 Contractor Signature _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

- ☑ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. G27429683006

- ☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

STATE FUND	9028937118	10/1/19
Carrier	Policy Number	Expire Date

MARLON AVALOS	714-221-5200
Name of Agent	Phone Number

- ☑ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

_____ 6-6-19
Signature of Applicant Date

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

_____
Lender's name

_____
Lender's Address

By my signature below, I certify to each of the following:
I am (✓) a California licensed contractor or (__) the property owner or (__) authorized to act on the property owner's behalf.
I have read this application and the information I have provided is correct.
I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

Signature of Owner, Authorized Agent or CA licensed Contractor

Signature _____ Date 6-6-19

FIRE CONSTRUCTION SERVICES
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2713
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO. : PMT2011-01255**

VALUATION :

ISSUED : November 09, 2011

PROJECT DESCRIPTION : FIRE ALARMS FOR THE MELT SHOP (TAMCO STEEL) - 147 DEVICES

Owner
AMERON, INC
P O BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
CHAMPION FIRE SYSTEMS, INC
12170 SANTA MARGARITA COURT
RANCHO CUCAMONGA, CA 91730

Telephone : 909 483-9789

License No.
CON710918 C16/C10

Case Notes :

FINALED 6/18/13 MAF

Fees

Type	By	T.C.	Amount
F-Plan Review Fee (57%)	BS1	1083	$42.28
F-Hourly Review Rate	BS1	1083	$237.26
F-Inspection Fee (43%)	BS1	1086	$129.85
Permit Fee:			**$409.39**

Fire

Fire Items	Units
FA/Fire Monitoring (51-500 devices/system)	147 00

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Sancha Smith Date 11/9/11

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of or (_) portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built of improved for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code· The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law.).

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_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http //www.leginfo ca gov/calaw html

_____
Date:

_____
Signature of Property Owner or Authorized Agent·

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: A C-16 License No : # 710918 Date: # 11/9/11

Contractor Signature # Sandra Smith

WORKERS' COMPENSATION DECLARATION

WARNING. FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued

Policy No. _____

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued My workers' compensation insurance carrier and policy number are:

NORTHERN INS WC0307648800-1 10/1/12

Carrier· Policy Number: Expire Date:

_____ _____

Name of Agent Phone Number:

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Sandra Smith # 11/9/11

Signature of Applicant Date.

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
2. Will the applicant or future building occupant have any amount of hazardous waste (including used oil), category 1 or 2 pesticides, explosives, or radioactive materials? (_) YES (_) NO
3. Will the applicant or future building occupant handle an extremely hazardous substance in quantities exceeding the threshold planning quantity? (_) YES (_) NO
4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
5. Will the facility have any of the following equipment? (_) YES (_) NO
   - Char Broiler
   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430

YES answers to items 5 or 6, please contact South Coast Air Quality Management Distnct at 800 388-2121

By my signature below, I certify to each of the following:

I am (__) a California licensed contractor or (__) the property owner or (__) authonzed to act on the property owner's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable city and county ordinances and state laws relating to building construction.

I authorize representatives of this city to enter the above-identified property for inspection purposes.

Sandra Smith # 11/9/11

Signature of Owner, Authorized Agent or CA licensed contractor: Date

BUILDING AND SAFETY DIVISION
10500 Civic Center Drive
Rancho Cucamonga,CA 91730
TEL # (909) 477-2710
FAX # (909) 477-2711

THE CITY OF
RANCHO CUCAMONGA

SITE ADDRESS : 12459 -B ARROW RTE | **PERMIT NO : PMT2012-00677**

APN NUMBER : 022913119-0000 ISSUED : March 20, 2012

PROJECT DESCRIPTION : THREE NON-ILLUMINATED MONUMENT SIGNS (DRC2012-00230)

Owner
AMERON, INC
PO BOX 325
RANCHO CUCAMONGA, CA 91739-0325

Telephone :

Contractor
YOUNG ELECTRIC SIGN CO.
5405 NORTH INDUSTRIAL PARKWAY
SAN BERNARDINO, CA 92407

Telephone : 909-923-7668

License No.
CON250739 C45

Description	Const. Type	Units
Signs - Ground / Roof / Projecting		3

Work Covered
BLD : Y ELE : N
MEC : N PLM : N
FIR : N

Const. Types

Occupancy Groups

Case Notes :

FINALED 8/9/12 CWL

Electrical Fixtures

Fixture Type	Qty

Mechanical Equipment

Equipment Type	Qty

Plumbing Equipment

Equipment Type	Qty

Fees

Type	By	T.C.	Amount
Misc. Plan Review Fee 1 (46%)	BS1	1083	$244.07
Misc. Inspection Fee 1 (54%)	BS1	1086	$286.52
Permit Fee:			**$530.59**

I certify that I have read this permit and state that all information, on both front and back, is correct. I agree to comply with all city and county ordinances & state laws relating to building construction, & hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent Scott Haight Date 3/20/12

This is a permit when properly completed, and signed, and is subject to expiration If work thereunder is not commenced or suspended or abandoned for 180 days.

DEPARTMENT COPY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code): Any city or county that requires a permit to construct, alter, improve demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

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Date: _____

Signature of Property Owner or Authorized Agent: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: C45 License No.: 250739 Date: 3/20/12

Contractor Signature: [signature]

WORKERS' COMPENSATION DECLARATION

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Policy No. _____

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier:	Policy Number:	Expire Date:
TRAVELERS	PBJUBONS1311	7-1-12

Name of Agent:	Phone Number:
Martin	801-331-1234

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Signature of Applicant: [signature] Date: 3/20/12

DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's name: _____ Lender's Address: _____

HAZARDOUS MATERIALS

1. Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal at or exceeding 55 gallons, 500 lbs, or 200 cubic feet? (_) YES (_) NO
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4. Will the applicant or future building occupant handle a regulated substance or a mixture containing a regulated substance in a quantity equal to or greater than the threshold quantity specified on the list of regulated substances? (_) YES (_) NO
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   - Spray booth
   - Internal combustion engine>50 hp
   - Abrasive blasting cabinet/room
   - Motor fuel storage and disposing equipment
   - Dry cleaning machine
   - Printing press
   - Boiler/combustion equipment>2 Mil BTU/ hr input
   - Bag house/cartridge-type dust filter/scrubber
6. Will any of the following operations be performed? (_) YES (_) NO
   - Applications of paint or adhesives,
   - Molding, extruding or curing of plastics,
   - Storage of acids, solvents, organic liquids, or fuels,
   - Etching, plating, casting, or melting of metals,
   - Mixing and blending of liquids and/or powders,
   - Production of fumes, dust smoke or strong odors.

YES answers any of items 1-4, please contact San Bernardino County Environmental Health at 909 386-8430.

YES answers to items 5 or 6, please contact South Coast Air Quality Management District at 800 388-2121.

By my signature below, I certify to each of the following:

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I authorize representatives of this city to enter the above-identified property for inspection purposes.

[signature] 3/20/12

Signature of Owner, Authorized Agent or CA licensed contractor: _____ Date: _____

GEOTECHNICAL INVESTIGATION
PROPOSED WAREHOUSE DEVELOPMENT

12459 Arrow Route
Rancho Cucamonga, California
for
Black Creek Group

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

October 15, 2021

Black Creek Group
4675 MacArthur Court, Suite 625
Newport Beach, California 92660

Attention: Mr. Chris Sanford
Senior Vice President

Project No.: **21G209-1**

Subject: **Geotechnical Investigation**
Proposed Warehouse Development
12459 Arrow Route
Rancho Cucamonga, California

Gentlemen:

In accordance with your request, we have conducted a geotechnical investigation at the subject site. We are pleased to present this report summarizing the conclusions and recommendations developed from our investigation.

We sincerely appreciate the opportunity to be of service on this project. We look forward to providing additional consulting services during the course of the project. If we may be of further assistance in any manner, please contact our office.

Respectfully Submitted,

SOUTHERN CALIFORNIA GEOTECHNICAL, INC.

Gregory K. Mitchell, GE 2364
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
GREGORY K. MITCHELL
No. 2364
Exp. 09/30/22
GEOTECHNICAL
STATE OF CALIFORNIA

Robert G. Trazo, GE 2655
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
ROBERT TRAZO
No. 2655
GEOTECHNICAL
STATE OF CALIFORNIA

Distribution: (1) Addressee

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APPENDICES

A Plate 1: Site Location Map
Plate 2: Boring Location Plan
B Boring Logs
C Laboratory Test Results
D Grading Guide Specifications
E Seismic Design Parameters

1.0 EXECUTIVE SUMMARY

Presented below is a brief summary of the conclusions and recommendations of this investigation. Since this summary is not all inclusive, it should be read in complete context with the entire report.

Geotechnical Design Considerations

- Artificial fill soils were encountered at all but one of the borings located, extending from the ground surface (or immediately beneath the existing pavements) to depths of 2½ to 8½± feet. These soils are considered to be undocumented fill materials.
- The fill soils and near-surface alluvial soils possess varying strengths and densities. In addition, some of the near-surface soils (within the upper 5 to 6± feet) possess a moderate to potential for hydrocollapse. The undocumented fill soils and the near-surface alluvial soils, in their present condition, are not considered suitable for support of the foundation loads of the new structures.
- Demolition of the existing pavements and structures is expected to cause extensive disturbance to the near surface soils. Several below-grade concrete pits are present in the southern portion of the site. In addition, some of the existing structures are supported on deep foundations.

Site Preparation Recommendations

- Initial site stripping should include removal of any surficial vegetation from the site. Stripping should include any weeds, grasses, and any organic top soils.
- Demolition of existing asphaltic concrete pavements and numerous existing structures will be necessary throughout the site. Debris resultant from demolition should be disposed of off-site. Alternatively, asphalt and concrete debris may be pulverized to a maximum 2-inch particle size, well mixed with the on-site soils, and incorporated into new structural fills. It may also be crushed into miscellaneous base (CMB), if desired. It may be feasible to abandon some of the existing foundations in place, as discussed in Section 6.3 of this report.
- We recommend that remedial grading be performed within the proposed building areas in order to remove all of the artificial fill soils, any soils disturbed during demolition, and a portion of the near-surface alluvium. The soils present within the proposed building area should be overexcavated to a depth of 5 feet below existing grade and to a depth of at least 4 feet below proposed building pad subgrade elevation. The proposed foundation influence zones should also be overexcavated to a depth of at least 3 feet below proposed foundation bearing grade. Based on conditions encountered at the boring locations, excavation to depths of up to 8½ feet will be required to remove the existing undocumented fill soils.
- After overexcavation has been completed, the resulting subgrade soils should be evaluated by the geotechnical engineer to identify any additional soils that should be overexcavated. The resulting soils should be scarified and moisture conditioned to 0 to 4 percent above the optimum moisture content, to a depth of at least 12 inches. The overexcavation subgrade soils should then be recompacted under the observation of the geotechnical engineer. The previously excavated soils may then be replaced as compacted structural fill.
- The new pavement and flatwork subgrade soils are recommended to be scarified to a depth of 12± inches, thoroughly moisture conditioned and recompacted to at least 90 percent of the ASTM D-1557 maximum dry density.

Foundation Design Recommendations

- Conventional shallow foundations, supported in newly placed compacted fill.
- 3,000 lbs/ft^2 maximum allowable soil bearing pressure.
- Reinforcement consisting of at least two (2) No. 5 rebars (1 top and 1 bottom) in strip footings. Additional reinforcement may be necessary for structural considerations.

Building Floor Slab Design Recommendations

- Conventional Slab-on-Grade: minimum 6-inch thickness.
- Modulus of Subgrade Reaction: k = 150 psi/in.
- Reinforcement is not expected to be necessary for geotechnical considerations.
- The actual thickness and reinforcement of the floor slab should be determined by the structural engineer.

Pavement Design Recommendations

ASPHALT PAVEMENTS (R=50)					
Materials	**Thickness (inches)**				
	Auto Parking and Auto Drive Lanes (TI = 4.0 to 5.0)	Truck Traffic			
		TI = 6.0	TI = 7.0	TI = 8.0	TI = 9.0
Asphalt Concrete	3	3½	4	5	5½
Aggregate Base	3	4	5	5	7
Compacted Subgrade	12	12	12	12	12

PORTLAND CEMENT CONCRETE PAVEMENTS (R=50)				
Materials	**Thickness (inches)**			
	Autos and Light Truck Traffic (TI = 6.0)	Truck Traffic		
		TI = 7.0	TI = 8.0	TI = 9.0
PCC	5	5½	6½	8
Compacted Subgrade (95% minimum compaction)	12	12	12	12

2.0 SCOPE OF SERVICES

The scope of services performed for this project was in accordance with our Proposal No. 21P370, dated August 12, 2021. The scope of services included a visual site reconnaissance, subsurface exploration, field and laboratory testing, and geotechnical engineering analysis to provide criteria for preparing the design of the building foundations, building floor slabs, and parking lot pavements along with site preparation recommendations and construction considerations for the proposed development. The evaluation of the environmental aspects of this site was beyond the scope of services for this geotechnical investigation.

3.0 SITE AND PROJECT DESCRIPTION

3.1 Site Conditions

The site is located at the southwest corner of Arrow Route and Juneberry Drive in Rancho Cucamonga, California. The site is bounded to the north by Arrow Route, to the west by an automobile auction facility, to the south by a railroad easement, and to the east by existing commercial/industrial buildings and Juneberry Drive.

The site consists of an L-shaped area, 94.08± acres in size. Based on our visit to the site, the site is being utilized as a steel manufacturing facility operated by CMC Steel. Large portions of the site appear to be inactive, particularly the southern area of the property. The northern area of the site still appears to be in an active manufacturing condition.

The northwest portion of the site is currently being utilized for scrap metal and raw material storage. Four contiguous, one- or two-story industrial buildings are located in this area. The southwest portion of the site contains a large melt shop building that was previously utilized to melt down scrap metal and raw materials. The areas around this building include conveyors, ventilation ducting, large open areas for materials storage, railroad spurs and areas of pavement. Large stockpiles of sand/gravel and crushed concrete are also present in this area. The southeast portion of the site contains a large furnace building, cooling tower, and structural steel and rebar manufacturing facility. Several below-grade concrete pits are located in this area of the site. Several areas used for materials storage are also present around the buildings associated with the furnace building. The northeast portion of the site was previously utilized for structural steel and re-bar storage. Two single-story industrial structures are present in this area of the site. Ground surface cover throughout the majority of the site consists of asphaltic concrete pavements and Portland cement concrete pavements. The pavements exhibit moderate to severe distress, with cracking and potholes throughout. Several rows of large trees are present along the drive lanes in the northern and central regions of the site.

Detailed topographic information was not available at the time of this report. However, based on topographic information obtained from Google Earth, the site topography ranges from 1,167± to 1,127± feet msl in the northeastern and southwestern portions of the site, respectively. Overall, the site slopes gently toward the south with an average gradient of approximately 1 to 2 percent.

3.2 Proposed Development

Based on a conceptual site plan (Scheme 6) provided to our office by the client, the site will be developed with two (2) warehouses. Building 1 will be located in the western area of the site and will be 1,366,140± ft² in size. Building 2 will be located in the eastern area of the site and will be 549,560± ft² in size. Dock-high doors will be constructed along portions of the east and west building walls for Building 1 and along portions of the north and south building walls for Building 2. The buildings will be surrounded by asphaltic concrete pavements in the parking and drive

lanes, Portland cement concrete pavements in the loading dock areas, and limited areas of concrete flatwork and landscape planters throughout.

Detailed structural information has not been provided. We assume that the new buildings will be single-story structures of tilt-up concrete construction, typically supported on a conventional shallow foundation system with concrete slab-on-grade floors. Based on the assumed construction, maximum column and wall loads are expected to be on the order of 100 kips and 4 to 7 kips per linear foot, respectively.

No significant amounts of below grade construction, such as basements or crawl spaces, are expected to be included in the proposed development. Based on the assumed topography, cuts and fills of up to 3 to 4± feet are expected to be necessary to achieve the proposed site grades.

4.0 SUBSURFACE EXPLORATION

4.1 Scope of Exploration/Sampling Methods

The subsurface exploration conducted for this project consisted of twenty-four (24) borings advanced to depths of 10 to 25± feet below existing site grades. All of the borings were logged during drilling by a member of our staff.

The borings were advanced with hollow-stem augers, by a conventional truck-mounted drilling rig. Representative bulk and relatively undisturbed soil samples were taken during drilling. Relatively undisturbed samples were taken with a split barrel "California Sampler" containing a series of one inch long, 2.416± inch diameter brass rings. This sampling method is described in ASTM Test Method D-3550. Samples were also taken using a 1.4± inch inside diameter split spoon sampler, in general accordance with ASTM D-1586. Both of these samplers are driven into the ground with successive blows of a 140-pound weight falling 30 inches. The blow counts obtained during driving are recorded for further analysis. Bulk samples were collected in plastic bags to retain their original moisture content. The relatively undisturbed ring samples were placed in molded plastic sleeves that were then sealed and transported to our laboratory.

The approximate locations of the borings are indicated on the Boring Location Plan, included as Plate 2 in Appendix A of this report. The Boring Logs, which illustrate the conditions encountered at the boring locations, as well as the results of some of the laboratory testing, are included in Appendix B.

4.2 Geotechnical Conditions

Pavements

Asphaltic concrete (AC) and Portland cement concrete (PCC) were encountered at the ground surface of most of the boring locations. The AC pavements ranged in thickness from 1¾ to 10± inches, with no discernible aggregate base. The PCC pavements ranged in thickness from 6½ to 10± inches. It should be noted that most of the PCC pavements contain rebar reinforcement. Boring No B-14 encountered both AC and PCC pavements, measuring 6 and 8± inches, respectively.

Artificial Fill

Artificial fill and possible fill soils were encountered at the ground surface or beneath the pavements at nearly all of the boring locations, extending to depths ranging from 2½ to 8½± feet below existing site grades. The artificial fill and possible fill soils generally consist of loose to very dense gravelly fine to coarse sands, silty fine to coarse sands, and well-graded sands with varying gravel content. Trace quantities of slag were occasionally encountered within the fill soils. The fill soils at Boring No. B-11 consisted of fine to coarse gravel and cobbles, with some fine to coarse sand.

Additional soils classified as possible fill were encountered at Boring Nos. B-1 and B-21, extending to depths of 4½ to 5½± feet. The possible fill soils are similar in composition to the underlying native alluvium, but also possess a slightly disturbed appearance, resulting in their classification as possible fill.

Native Alluvium

Native alluvial soils were encountered beneath the fill and/or possible fill soils at all of the boring locations, extending to at least the maximum explored depth of 25± feet below existing site grades. The alluvium generally consists of medium dense fine to medium sands, medium dense to dense fine to coarse sands and gravelly fine to coarse sands, dense silty fine to coarse sands, and loose to very dense silty fine sands. Variable quantities of gravel and silt were encountered within these layers, with trace to little clay occasionally observed. Variable calcareous veining was also observed within some of the native alluvial strata.

Groundwater

Free water was not encountered during the drilling of any of the borings. Based on the lack of water within the borings and the moisture contents of the recovered soil samples, the static groundwater is considered to have existed at a depth in excess of 25± feet at the time of the subsurface exploration.

As part of our research, we reviewed readily available groundwater data in order to determine regional groundwater depths. The primary reference used to determine the groundwater depths in the subject site area is the California Department of Water Resources website, http://www.water.ca.gov/waterdatalibrary/. The nearest monitoring well is located approximately 2.3 miles northeast from the site. Water level readings within these monitoring wells indicate high groundwater levels of 574.6± feet below site grades (June 2012).

5.0 LABORATORY TESTING

The soil samples recovered from the subsurface exploration were returned to our laboratory for further testing to determine selected physical and engineering properties of the soils. The tests are briefly discussed below. It should be noted that the test results are specific to the actual samples tested, and variations could be expected at other locations and depths.

Classification

All recovered soil samples were classified using the Unified Soil Classification System (USCS), in accordance with ASTM D-2488. Field identifications were then supplemented with additional visual classifications and/or by laboratory testing. The USCS classifications are shown on the Boring Logs and are periodically referenced throughout this report.

Density and Moisture Content

The density has been determined for selected relatively undisturbed ring samples. These densities were determined in general accordance with the method presented in ASTM D-2937. The results are recorded as dry unit weight in pounds per cubic foot. The moisture contents are determined in accordance with ASTM D-2216, and are expressed as a percentage of the dry weight. These test results are presented on the Boring Logs.

Consolidation

Selected soil samples have been tested to determine their consolidation potential, in accordance with ASTM D-2435. The testing apparatus is designed to accept either natural or remolded samples in a one-inch high ring, approximately 2.416 inches in diameter. Each sample is then loaded incrementally in a geometric progression and the resulting deflection is recorded at selected time intervals. Porous stones are in contact with the top and bottom of the sample to permit the addition or release of pore water. The samples are typically inundated with water at an intermediate load to determine their potential for collapse or heave. The results of the consolidation testing are plotted on Plates C-1 through C-10 in Appendix C of this report.

Maximum Dry Density and Optimum Moisture Content

Two representative bulk samples were tested for their maximum dry densities and optimum moisture contents. The results have been obtained using the Modified Proctor procedure, per ASTM D-1557 and are presented on Sheets C-11 and C-12 in Appendix C of this report. These tests are generally used to compare the in-situ densities of undisturbed field samples, and for later compaction testing. Additional testing of other soil types or soil mixes may be necessary at a later date.

Soluble Sulfates

Representative samples of the near-surface soils were submitted to a subcontracted analytical laboratory for determination of soluble sulfate content. Soluble sulfates are naturally present in soils, and if the concentration is high enough, can result in degradation of concrete which comes

into contact with these soils. The results of the soluble sulfate testing are presented below, and are discussed further in a subsequent section of this report.

Sample Identification	Soluble Sulfates (%)	Sulfate Classification
B-4 @ 0 to 5 feet	0.002	Not Applicable (S0)
B-14 @ 0 to 5 feet	0.019	Not Applicable (S0)

Corrosivity Testing

Representative bulk samples of the near-surface soils were submitted to a subcontracted corrosion engineering laboratory to identify potentially corrosive characteristics with respect to common construction materials. The corrosivity testing included a determination of the electrical resistivity, pH, and chloride and nitrate concentrations of the soils, as well as other tests. The results of some of these tests are presented below.

Sample Identification	Saturated Resistivity (ohm-cm)	pH	Chlorides (mg/kg)	Nitrates (mg/kg)
B-4 @ 0 to 5 feet	15,600	8.5	7.4	14
B-14 @ 0 to 5 feet	4,400	8.4	13	8.6

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of our review, field exploration, laboratory testing and geotechnical analysis, the proposed development is considered feasible from a geotechnical standpoint. The recommendations contained in this report should be taken into the design, construction, and grading considerations.

The recommendations are contingent upon all grading and foundation construction activities being monitored by the geotechnical engineer of record. The recommendations are provided with the assumption that an adequate program of client consultation, construction monitoring, and testing will be performed during the final design and construction phases to verify compliance with these recommendations. Maintaining Southern California Geotechnical, Inc., (SCG) as the geotechnical consultant from the beginning to the end of the project will provide continuity of services. The geotechnical engineering firm providing testing and observation services shall assume the responsibility of Geotechnical Engineer of Record.

The Grading Guide Specifications, included as Appendix D, should be considered part of this report, and should be incorporated into the project specifications. The contractor and/or owner of the development should bring to the attention of the geotechnical engineer any conditions that differ from those stated in this report, or which may be detrimental for the development.

6.1 Seismic Design Considerations

The subject site is located in an area which is subject to strong ground motions due to earthquakes. The performance of a site specific seismic hazards analysis was beyond the scope of this investigation. However, numerous faults capable of producing significant ground motions are located near the subject site. Due to economic considerations, it is not generally considered reasonable to design a structure that is not susceptible to earthquake damage. Therefore, significant damage to structures may be unavoidable during large earthquakes. The proposed structures should, however, be designed to resist structural collapse and thereby provide reasonable protection from serious injury, catastrophic property damage and loss of life.

Faulting and Seismicity

Research of available maps indicates that the subject site is not located within an Alquist-Priolo Earthquake Fault Zone. Furthermore, SCG did not identify any evidence of faulting during the geotechnical investigation. Therefore, the possibility of significant fault rupture on the site is considered to be low.

The potential for other geologic hazards such as seismically induced settlement, lateral spreading, tsunamis, inundation, seiches, flooding, and subsidence affecting the site is considered low.

Seismic Design Parameters

The 2019 California Building Code (CBC) provides procedures for earthquake resistant structural design that include considerations for on-site soil conditions, occupancy, and the configuration of

the structure including the structural system and height. The seismic design parameters presented below are based on the soil profile and the proximity of known faults with respect to the subject site.

Based on standards in place at the time of this report, the proposed development is expected to be designed in accordance with the requirements of the 2019 edition of the California Building Code (CBC), which was adopted on January 1, 2020.

The 2019 CBC Seismic Design Parameters have been generated using the SEAOC/OSHPD Seismic Design Maps Tool, a web-based software application available at the website www.seismicmaps.org. This software application calculates seismic design parameters in accordance with several building code reference documents, including ASCE 7-16, upon which the 2019 CBC is based. The application utilizes a database of risk-targeted maximum considered earthquake (MCE_R) site accelerations at 0.01-degree intervals for each of the code documents. The table below was created using data obtained from the application. The output generated from this program is included as Plate E-1 in Appendix E of this report.

The 2019 CBC requires that a site-specific ground motion study be performed in accordance with Section 11.4.8 of ASCE 7-16 for Site Class D sites with a mapped S_1 value greater than 0.2. However, Section 11.4.8 of ASCE 7-16 also indicates an exception to the requirement for a site-specific ground motion hazard analysis for certain structures on Site Class D sites. The commentary for Section 11 of ASCE 7-16 (Page 534 of Section C11 of ASCE 7-16) indicates that "In general, this exception effectively limits the requirements for site-specific hazard analysis to very tall and or flexible structures at Site Class D sites." **Based on our understanding of the proposed development, the seismic design parameters presented below were calculated assuming that the exception in Section 11.4.8 applies to the proposed structure at this site. However, the structural engineer should verify that this exception is applicable to the proposed structure.** Based on the exception, the spectral response accelerations presented below were calculated using the site coefficients (F_a and F_v) from Tables 1613.2.3(1) and 1613.2.3(2) presented in Section 16.4.4 of the 2019 CBC.

2019 CBC SEISMIC DESIGN PARAMETERS

Parameter		Value
Mapped Spectral Acceleration at 0.2 sec Period	S_S	1.762
Mapped Spectral Acceleration at 1.0 sec Period	S_1	0.612
Site Class	---	D
Site Modified Spectral Acceleration at 0.2 sec Period	S_{MS}	1.762
Site Modified Spectral Acceleration at 1.0 sec Period	S_{M1}	1.040
Design Spectral Acceleration at 0.2 sec Period	S_{DS}	1.175
Design Spectral Acceleration at 1.0 sec Period	S_{D1}	0.694

It should be noted that the site coefficient F_v and the parameters S_{M1} and S_{D1} were not included in the SEAOC/OSHPD Seismic Design Maps Tool output for the 2019 CBC. We calculated these parameters-based on Table 1613.2.3(2) in Section 16.4.4 of the 2019 CBC using the value of S_1

obtained from the Seismic Design Maps Tool, assuming that a site-specific ground motion hazards analysis is not required for the proposed buildings at this site.

Liquefaction

Liquefaction is the loss of strength in generally cohesionless, saturated soils when the pore-water pressure induced in the soil by a seismic event becomes equal to or exceeds the overburden pressure. The primary factors which influence the potential for liquefaction include groundwater table elevation, soil type and plasticity characteristics, relative density of the soil, initial confining pressure, and intensity and duration of ground shaking. The depth within which the occurrence of liquefaction may impact surface improvements is generally identified as the upper 50 feet below the existing ground surface. Liquefaction potential is greater in saturated, loose, poorly graded fine sands with a mean (d_{50}) grain size in the range of 0.075 to 0.2 mm (Seed and Idriss, 1971). Non-sensitive clayey (cohesive) soils which possess a plasticity index of at least 18 (Bray and Sancio, 2006) are generally not considered to be susceptible to liquefaction, nor are those soils which are above the historic static groundwater table.

The California Geological Survey (CGS) has not yet conducted detailed seismic hazards mapping in the area of the subject site. The general liquefaction susceptibility of the site was determined by research of the San Bernardino County Land Use Plan, General Plan, Geologic Hazard Overlays. The site is located within the Guasti Quadrangle (Map FH28C). There are no mapped areas of high liquefaction susceptibility within this entire quadrangle. Based on the mapping performed by the county of San Bernardino and the subsurface conditions encountered at the boring locations, liquefaction is not considered to be a design concern for this project.

6.2 Geotechnical Design Considerations

General

Artificial fill soils were encountered at the ground surface (or immediately beneath the existing pavements) at all but one of the boring locations. These artificial fill soils extend to depths of 2½ to 8½± feet below grade at the boring locations. Based on the previous industrial development of the site, it is expected that fill soils extend to greater depths at locations not explored by our borings. The fill soils possess variable strengths, variable composition, and variable densities. Laboratory testing indicates that selected samples of the fill soils are subject to hydro-consolidation. Based on these considerations, and a lack of documentation of the placement and compaction of these soils, the existing fill materials are considered to consist of undocumented fill, unsuitable for the support of the proposed structures. The near surface alluvium also possesses variable strengths and densities. Finally demolition of the existing facilities is expected to result in significant disturbance of the upper 5± feet (or more) of existing soils. Based on these considerations, remedial grading is considered necessary within the proposed building areas in order to remove all of the undocumented fill soils in their entirety as well as the upper portion of the near-surface native alluvial soils and replace these materials as compacted fill soils.

Settlement

The recommended remedial grading will remove the existing undocumented fill soils and a portion of the near-surface native alluvial soils and replace these materials as compacted structural fill. The native soils that will remain in place below the recommended depth of overexcavation will not be subject to significant stress increases from the foundations of the new structures. Therefore, following completion of the recommended grading, post-construction settlements are expected to be within tolerable limits.

Expansion

The near-surface soils encountered at the boring locations consist of silty sands, fine sands, and well graded sands. These materials have been visually classified as very low to non-expansive. Therefore, no design considerations related to expansive soils are considered warranted for this site.

Soluble Sulfates

The results of the soluble sulfate testing indicate that the selected samples of the on-site soils to correspond to Class S0 with respect to the American Concrete Institute (ACI) Publication 318-14 Building Code Requirements for Structural Concrete and Commentary, Section 4.3. Therefore, specialized concrete mix designs are not considered to be necessary, with regard to sulfate protection purposes. It is, however, recommended that additional soluble sulfate testing be conducted at the completion of rough grading to verify the soluble sulfate concentrations of the soils which are present at pad grade within the building areas.

Corrosion Potential

The results of laboratory testing indicate that samples of the on-site soils a possesses saturated resistivity values of 4,400 and 15,600 ohm-cm, and pH values of 8.4 and 8.5. These test results have been evaluated in accordance with guidelines published by the Ductile Iron Pipe Research Association (DIPRA). The DIPRA guidelines consist of a point system by which characteristics of the soils are used to quantify the corrosivity characteristics of the site. Sulfides, and redox potential are factors that are also used in the evaluation procedure. We have evaluated the corrosivity characteristics of the on-site soils using resistivity, pH, and moisture content. Based on these factors, and utilizing the DIPRA procedure, the on-site soils are not considered to be corrosive to ductile iron pipe.

Relatively low concentrations (7.4 to 13 mg/kg) of chlorides were detected in the samples submitted for corrosivity testing. In general, soils possessing chloride concentrations in excess of 500 parts per million (ppm) are considered to be corrosive with respect to steel reinforcement within reinforced concrete. Based on the lack of any significant chlorides in the tested sample, the site is considered to have a C1 chloride exposure in accordance with the American Concrete Institute (ACI) Publication 318 Building Code Requirements for Structural Concrete and Commentary. Therefore, a specialized concrete mix design for reinforced concrete for protection against chloride exposure is not considered warranted.

Nitrates present in soil can be corrosive to copper tubing at concentrations greater than 50 mg/kg. The tested samples possess nitrate concentrations of 8.6 to 14 mg/kg. Based on these test results,

the on-site soils are not considered to be corrosive to copper pipe with respect to their nitrate concentration.

SCG does not practice in the area of corrosion engineering. Therefore, the client may also wish to contact a corrosion engineer to provide a more thorough evaluation.

Shrinkage/Subsidence

Based on the results of the laboratory testing, removal and recompaction of near-surface soils, extending to depths of 3 to 6± feet, is estimated to result in an average shrinkage of 6 to 13 percent. It should be noted that this shrinkage estimate is based on the results of dry density testing performed on small-diameter samples of the existing soils taken at the boring locations. If a more accurate and precise shrinkage estimate is desired, SCG can perform a shrinkage study involving several excavated test-pits where in-place densities are determined using in-situ testing methods instead of laboratory density testing on small-diameter samples. Please contact SCG for details and a cost estimate regarding a shrinkage study, if desired.

Several of the existing structures are expected to be supported on deep foundations. Demolition and removal of these foundations will result in additional net shrinkage, beyond the estimates presented above.

Minor ground subsidence is expected to occur in the soils below the zone of removal, due to settlement and machinery working. The subsidence is estimated to be 0.1± feet. This estimate may be used for grading in areas that are underlain by native alluvial soils.

These estimates are based on previous experience in the area of the subject site and the subsurface conditions encountered at the boring locations. The actual amount of subsidence is expected to be variable and will be dependent on the type of machinery used, repetitions of use, and dynamic effects, all of which are difficult to assess precisely.

Grading and Foundation Plan Review

Grading and foundation plans were not available at the time of this report. It is therefore recommended that we be provided with copies of the preliminary grading and foundation plans, when they become available, for review with regard to the conclusions, recommendations, and assumptions contained within this report.

6.3 Site Grading Recommendations

The grading recommendations presented below are based on the subsurface conditions encountered at the boring locations and our understanding of the proposed development. We recommend that all grading activities be completed in accordance with the Grading Guide Specifications included as Appendix D of this report, unless superseded by site-specific recommendations presented below.

Site Stripping and Demolition

Demolition of the existing structures and pavements will be required in order to allow for construction of the new development. The demolition should include removal of all concrete floor-slabs, foundations, pavements, and any existing subsurface improvements which will not be utilized with the new development. Based on previous geotechnical studies at this site, some of the existing structures are supported on deep foundations, such as auger-cast piles. In addition, several below-grade pits, with concrete slabs and walls are present at the site. These foundations may be removed in their entirety. Alternatively, any such foundations may be cut off at a depth of at least 5 feet below any proposed foundations or floor slabs, and the remaining portion abandoned in place. Any below-grade slabs that are abandoned in-place should be punctured with minimum 4-inch diameter holes at 2 feet on-center to allow drainage. Consideration should be given to future utility construction if any foundations or slabs are abandoned in place. Within pavement areas, any foundation remnants should be at least 3 feet blow finished subgrade elevation. Debris resultant from demolition should be disposed of off-site. Alternatively, the asphalt and concrete debris may be crushed to a maximum 2-inch particle size, well mixed with the on-site soils, and incorporated into new structural fills. Any soils disturbed during demolition should be removed during demolition or site grading. On-site soils may be reused as compacted structural fill provided, they are cleaned of any deleterious debris to the satisfaction of the geotechnical engineer.

Initial site stripping should include removal of any surficial vegetation from the site. Stripping should include any grass and weed growth as well as any organic top soils. Removal of any trees that will not remain with the proposed development should include any associated root masses in their entirety. The actual extent of site stripping should be determined in the field by the geotechnical engineer, based on the organic content and stability of the materials encountered.

Treatment of Existing Soils: Building Pads

Remedial grading should be performed within the proposed building pad areas in order to remove any soils disturbed during demolition, the existing undocumented fill soils, and the upper portion of the near-surface native alluvium. Based on conditions encountered at the boring locations, we recommend that the existing soils within the proposed building areas be overexcavated to a depth of at least 5 feet below existing grade and to a depth of at least 4 feet below proposed building pad subgrade elevations, whichever is greater. Additional overexcavation should be performed within the influence zones of the new foundations, extending to a depth of at least 3 feet below proposed bearing grades.

The depth of the overexcavation should also extend to a depth sufficient to remove all undocumented fill soils, which extend to depths of 2½ to 8½± feet at the boring locations.

The overexcavation areas should extend at least 5 feet beyond the building and foundation perimeters, and to an extent equal to the depth of fill below the new foundations. If the proposed structures incorporate any exterior columns (such as for a canopy or overhang) the area of overexcavation should also encompass these areas.

Following completion of the overexcavation, the subgrade soils within the overexcavation areas should be evaluated by the geotechnical engineer to verify their suitability to serve as the structural fill subgrade, as well as to support the foundation loads of the new structures. This

evaluation should include proofrolling and probing to identify any soft, loose or otherwise unstable soils that must be removed. **Some localized areas of deeper excavation may be required if additional fill materials or loose, porous, or low density native soils are encountered at the base of the overexcavation**.

After a suitable overexcavation subgrade has been achieved, the exposed soils should be scarified to a depth of at least 12 inches and moisture treated to 0 to 4 percent above optimum moisture content. The subgrade soils should then be recompacted to at least 90 percent of the ASTM D-1557 maximum dry density. The previously excavated soils may then be replaced as compacted structural fill.

Treatment of Existing Soils: Retaining Walls and Site Walls

The existing soils within the areas of proposed retaining and non-retaining site walls should be overexcavated to a depth of at least 3 feet below foundation bearing grade and replaced as compacted structural fill as discussed above for the proposed building pads. Any undocumented fill soils within any of these foundation areas should be removed in their entirety. The overexcavation areas should extend at least 3 feet beyond the foundation perimeters, and to an extent equal to the depth of fill below the new foundations. Any erection pads for tilt-up concrete walls are considered to be part of the foundation system. Therefore, these overexcavation recommendations are applicable to erection pads. The overexcavation subgrade soils should be evaluated by the geotechnical engineer prior to scarifying, moisture conditioning, and recompacting the upper 12 inches of exposed subgrade soils, as discussed for the building areas. The previously excavated soils may then be replaced as compacted structural fill.

If the recommended remedial grading cannot be completed for walls located along property lines, such walls should be designed for a reduced allowable bearing pressure. The allowable bearing pressure will be determined based on the actual extent of remedial grading that can be accomplished.

Treatment of Existing Soils: Flatwork, Parking and Drive Areas

Based on economic considerations, overexcavation of the existing near-surface existing soils in the new flatwork, parking and drive areas is not considered warranted, with the exception of areas where lower strength or unstable soils are identified by the geotechnical engineer during grading. Subgrade preparation in the new flatwork, parking and drive areas should initially consist of removal of all soils disturbed during stripping and demolition operations.

The geotechnical engineer should then evaluate the subgrade to identify any areas of additional unsuitable soils. Any such materials should be removed to a level of firm and unyielding soil. The exposed subgrade soils should then be scarified to a depth of 12± inches, moisture conditioned to 0 to 4 percent above the optimum moisture content, and recompacted to at least 90 percent of the ASTM D-1557 maximum dry density. **Based on the presence of variable strength surficial soils (including significant depths of undocumented fill) throughout the site, it is expected that some isolated areas of additional overexcavation will be required to remove zones of lower strength, unsuitable soils.**

The grading recommendations presented above for the proposed flatwork, parking and drive areas assume that the owner and/or developer can tolerate minor amounts of settlement within

the proposed flatwork, parking and drive areas. The grading recommendations presented above do not completely mitigate the extent of existing fill soils that may be present in the flatwork, parking and drive areas. As such, some settlement and associated pavement distress could occur. Typically, repair of such distressed areas involves significantly lower costs than completely mitigating these soils at the time of construction. If the owner cannot tolerate the risk of such settlements, the flatwork, parking and drive areas should be overexcavated to a depth of 2 feet below proposed pavement subgrade elevation, with the resulting soils replaced as compacted structural fill.

Fill Placement

- Fill soils should be placed in thin (6± inches), near-horizontal lifts, moisture conditioned to 0 to 4 percent above the optimum moisture content, and compacted.
- On-site soils may be used for fill provided they are cleaned of any debris to the satisfaction of the geotechnical engineer. **Based on the previous development of the site as a steel mill, some materials unsuitable for fill are expected to be encountered during grading.** Pieces of inert debris over 12 inches in size such as slag should be exported from the site, or disposed of as oversized materials in pavement areas or non-structural regions of the development.
- All grading and fill placement activities should be completed in accordance with the requirements of the 2019 CBC and the grading code of the city of Rancho Cucamonga.
- All fill soils should be compacted to at least 90 percent of the ASTM D-1557 maximum dry density. Fill soils should be well mixed.
- Compaction tests should be performed periodically by the geotechnical engineer as random verification of compaction and moisture content. These tests are intended to aid the contractor. Since the tests are taken at discrete locations and depths, they may not be indicative of the entire fill and therefore should not relieve the contractor of his responsibility to meet the job specifications.

Imported Structural Fill

All imported structural fill should consist of very low expansive (EI < 20), well graded soils possessing at least 10 percent fines (that portion of the sample passing the No. 200 sieve). Additional specifications for structural fill are presented in the Grading Guide Specifications, included as Appendix D.

Utility Trench Backfill

In general, all utility trench backfill soils should be compacted to at least 90 percent of the ASTM D-1557 maximum dry density. It is recommended that materials in excess of 3 inches in size not be used for utility trench backfill. Compacted trench backfill should conform to the requirements of the local grading code, and more restrictive requirements may be indicated by the city of Rancho Cucamonga. All utility trench backfills should be witnessed by the geotechnical engineer. The trench backfill soils should be compaction tested where possible; probed and visually evaluated elsewhere.

Utility trenches which parallel a footing, and extending below a 1h:1v plane projected from the outside edge of the footing should be backfilled with structural fill soils, compacted to at least 90 percent of the ASTM D-1557 standard. Pea gravel backfill should not be used for these trenches.

6.4 Construction Considerations

Excavation Considerations

The near-surface soils generally consist of silty sands and sands. These materials will likely be subject to minor to moderate caving within shallow excavations. Where caving does occur, flattened excavation slopes may be sufficient to provide excavation stability. On a preliminary basis, the inclination of temporary slopes should not exceed 2h:1v. Deeper excavations may require some form of external stabilization such as shoring or bracing. Maintaining adequate moisture content within the near-surface soils will improve excavation stability. All excavation activities on this site should be conducted in accordance with Cal-OSHA regulations.

Groundwater

The static groundwater table is considered to have existed at a depth in excess of 25± feet at the time of the subsurface exploration. Therefore, groundwater is not expected to impact the grading or foundation construction activities.

6.5 Foundation Design and Construction

Based on the preceding grading recommendations, it is assumed that the new building pads will be underlain by structural fill soils used to replace the existing fill soils and a portion of the near-surface alluvial soils. These new structural fill soils are expected to extend to depths of at least 3 feet below proposed foundation bearing grade, underlain by 1± foot of additional soil that has been scarified, moisture conditioned, and recompacted. Based on this subsurface profile, the proposed structures may be supported on conventional shallow foundations.

Foundation Design Parameters

New square and rectangular footings may be designed as follows:

- Maximum, net allowable soil bearing pressure: 3,000 lbs/ft^2.
- Minimum wall/column footing width: 14 inches/24 inches.
- Minimum longitudinal steel reinforcement within strip footings: Two (2) No. 5 rebars (1 top and 1 bottom).
- Minimum foundation embedment: 12 inches into suitable structural fill soils, and at least 18 inches below adjacent exterior grade. Interior column footings may be placed immediately beneath the floor slab.
- It is recommended that the perimeter building foundations be continuous across all exterior doorways. Any flatwork adjacent to the exterior doors should be doweled into the perimeter foundations in a manner determined by the structural engineer.

The allowable bearing pressures presented above may be increased by 1/3 when considering short duration wind or seismic loads. The minimum steel reinforcement recommended above is based on geotechnical considerations; additional reinforcement may be necessary for structural considerations. The actual design of the foundations should be determined by the structural engineer.

Foundation Construction

The foundation subgrade soils should be evaluated at the time of overexcavation, as discussed in Section 6.3 of this report. It is further recommended that the foundation subgrade soils be evaluated by the geotechnical engineer immediately prior to steel or concrete placement. Soils suitable for direct foundation support should consist of newly placed structural fill, compacted to at least 90 percent of the ASTM D-1557 maximum dry density. Any unsuitable materials should be removed to a depth of suitable bearing compacted structural fill, with the resulting excavations backfilled with compacted fill soils. As an alternative, lean concrete slurry (500 to 1,500 psi) may be used to backfill such isolated overexcavations.

The foundation subgrade soils should also be properly moisture conditioned to 0 to 4 percent of the Modified Proctor optimum, to a depth of at least 12 inches below bearing grade. Since it is typically not feasible to increase the moisture content of the floor slab and foundation subgrade soils once rough grading has been completed, care should be taken to maintain the moisture content of the building pad subgrade soils throughout the construction process.

Estimated Foundation Settlements

Post-construction total and differential settlements of shallow foundations designed and constructed in accordance with the previously presented recommendations are estimated to be less than 1.0 and 0.5 inches, respectively. Differential movements are expected to occur over a 30-foot span, thereby resulting in an angular distortion of less than 0.002 inches per inch.

Lateral Load Resistance

Lateral load resistance will be developed by a combination of friction acting at the base of foundations and slabs and the passive earth pressure developed by footings below grade. The following friction and passive pressure may be used to resist lateral forces:

- Passive Earth Pressure: 300 lbs/ft^3
- Friction Coefficient: 0.30

These are allowable values, and include a factor of safety. When combining friction and passive resistance, the passive pressure component should be reduced by one-third. These values assume that footings will be poured directly against compacted structural fill soils. The maximum allowable passive pressure is 3,000 lbs/ft^2.

6.6 Floor Slab Design and Construction

Subgrades which will support the new floor slab should be prepared in accordance with the recommendations contained in the ***Site Grading Recommendations*** section of this report.

Based on the anticipated grading which will occur at this site, the floors of the proposed structures may be constructed as conventional slabs-on-grade supported on newly placed structural fill, extending to a depth of at least 4 feet below finished pad grade. Based on geotechnical considerations, the floor slabs may be designed as follows:

- Minimum slab thickness: 6 inches.

- Modulus of Subgrade Reaction: k = 150 psi/in.

- Minimum slab reinforcement: Reinforcement is not considered necessary from a geotechnical standpoint. The actual floor slab reinforcement should be determined by the structural engineer, based on the imposed slab loading.

- Slab underlayment: If moisture sensitive floor coverings will be used then minimum slab underlayment should consist of a moisture vapor barrier constructed below the entire area of the proposed slab where such moisture sensitive floor coverings are anticipated. The moisture vapor barrier should meet or exceed the Class A rating as defined by ASTM E 1745-97 and have a permeance rating less than 0.01 perms as described in ASTM E 96-95 and ASTM E 154-88. A polyolefin material such as Stego® Wrap Vapor Barrier or equivalent will meet these specifications. The moisture vapor barrier should be properly constructed in accordance with all applicable manufacturer specifications. Given that a rock free subgrade is anticipated and that a capillary break is not required, sand below the barrier is not required. The need for sand and/or the amount of sand above the moisture vapor barrier should be specified by the structural engineer or concrete contractor. The selection of sand above the barrier is not a geotechnical engineering issue and hence outside our purview. Where moisture sensitive floor coverings are not anticipated, the vapor barrier may be eliminated.

- Moisture condition the floor slab subgrade soils to 0 to 4 percent above the Modified Proctor optimum moisture content, to a depth of 12 inches. The moisture content of the floor slab subgrade soils should be verified by the geotechnical engineer within 24 hours prior to concrete placement.

- Proper concrete curing techniques should be utilized to reduce the potential for slab curling or the formation of excessive shrinkage cracks.

The actual design of the floor slab should be completed by the structural engineer to verify adequate thickness and reinforcement.

6.7 Retaining Wall Design and Construction

Although not indicated on the site plan, some small (less than 6 feet in height) retaining walls may be required to facilitate the new site grades. The parameters recommended for use in the design of these walls are presented below.

Retaining Wall Design Parameters

Based on the soil conditions encountered at the boring locations, the following parameters may be used in the design of new retaining walls for this site. The following parameters assume that only the on-site soils will be utilized for retaining wall backfill. The near-surface soils generally consist of silty sands and sands. Based on their classifications, the on-site soils are expected to possess a friction angle of at least 30 degrees when compacted to 90 percent of the ASTM-1557 maximum dry density.

If desired, SCG could provide design parameters for an alternative select backfill material behind the retaining walls. The use of select backfill material could result in lower lateral earth pressures. In order to use the design parameters for the imported select fill, this material must be placed within the entire active failure wedge. This wedge is defined as extending from the heel of the retaining wall upwards at an angle of approximately 60° from horizontal. If select backfill material behind the retaining wall is desired, SCG should be contacted for supplementary recommendations.

RETAINING WALL DESIGN PARAMETERS

Design Parameter		Soil Type
		On-site Silty Sands and Sands
Internal Friction Angle (ϕ)		30°
Unit Weight		130 lbs/ft^3
Equivalent Fluid Pressure:	Active Condition (level backfill)	43 lbs/ft^3
	Active Condition (2h:1v backfill)	70 lbs/ft^3
	At-Rest Condition (level backfill)	65 lbs/ft^3

The walls should be designed using a soil-footing coefficient of friction of 0.30 and an equivalent passive pressure of 300 lbs/ft^3. The structural engineer should incorporate appropriate factors of safety in the design of the retaining walls.

The active earth pressure may be used for the design of retaining walls that do not directly support structures or support soils that in turn support structures and which will be allowed to deflect. The at-rest earth pressure should be used for walls that will not be allowed to deflect such as those which will support foundation bearing soils, or which will support foundation loads directly.

Where the soils on the toe side of the retaining wall are not covered by a "hard" surface such as a structure or pavement, the upper 1 foot of soil should be neglected when calculating passive resistance due to the potential for the material to become disturbed or degraded during the life of the structure.

Seismic Lateral Earth Pressures

In accordance with the 2019 CBC, any retaining walls more than 6 feet in height must be designed for seismic lateral earth pressures. If walls 6 feet or more are required for this site, the geotechnical engineer should be contacted for supplementary seismic lateral earth pressure recommendations.

Retaining Wall Foundation Design

The retaining wall foundations should be supported within newly placed compacted structural fill, extending to a depth of at least 3 feet below proposed foundation bearing grade. Foundations to support new retaining walls should be designed in accordance with the general Foundation Design Parameters presented in a previous section of this report.

Backfill Material

On-site soils may be used to backfill the retaining walls. However, all backfill material placed within 3 feet of the back wall face should have a particle size no greater than 3 inches. The retaining wall backfill materials should be well graded.

It is recommended that a properly installed prefabricated drainage composite such as the MiraDRAIN 6000XL (or approved equivalent), which is specifically designed for use behind retaining walls be used. If the drainage composite material is not covered by an impermeable surface, such as a structure or pavement, a 12-inch thick layer of a low permeability soil should be placed over the backfill to reduce surface water migration to the underlying soils. The drainage composite should be separated from the backfill soils by a suitable geotextile, approved by the geotechnical engineer.

All retaining wall backfill should be placed and compacted under engineering controlled conditions in the necessary layer thicknesses to ensure an in-place density between 90 and 93 percent of the maximum dry density as determined by the Modified Proctor test (ASTM D1557). Care should be taken to avoid over-compaction of the soils behind the retaining walls, and the use of heavy compaction equipment should be avoided.

Subsurface Drainage

As previously indicated, the retaining wall design parameters are based upon drained backfill conditions. Consequently, some form of permanent drainage system will be necessary in conjunction with the appropriate backfill material. Subsurface drainage may consist of either:

- A weep hole drainage system typically consisting of a series of 2-inch diameter holes in the wall situated slightly above the ground surface elevation on the exposed side of the wall and at an approximate 10-foot on-center spacing. Alternatively, 4-inch diameter holes at an approximate 20-foot on-center spacing can be used for this type of drainage system. In addition, the weep holes should include a 2 cubic foot pocket of open graded gravel, surrounded by an approved geotextile fabric, at each weep hole location.

- A 4-inch diameter perforated pipe surrounded by 2 cubic feet of gravel per linear foot of drain placed behind the wall, above the retaining wall footing. The gravel layer should be wrapped

in a suitable geotextile fabric to reduce the potential for migration of fines. The footing drain should be extended to daylight or tied into a storm drainage system. The actual design of this type of system should be determined by the civil engineer to verify that the drainage system possesses the adequate capacity and slope for its intended use.

6.8 Pavement Design Parameters

Site preparation in the pavement area should be completed as previously recommended in the ***Site Grading Recommendations*** section of this report. The subsequent pavement recommendations assume proper drainage and construction monitoring, and are based on either PCA or CALTRANS design parameters for a twenty (20) year design period. However, these designs also assume a routine pavement maintenance program to obtain the anticipated 20-year pavement service life.

Pavement Subgrades

It is anticipated that the new pavements will be primarily supported on a layer of compacted structural fill, consisting of scarified, thoroughly moisture conditioned and recompacted existing soils. The near-surface soils generally consist of silty sands and sands. These soils are generally considered to possess excellent pavement support characteristics, with R-values in the range of 50 to 60. Since R-value testing was not included in the scope of services for this project, the subsequent pavement design is based upon an assumed R-value of 50. Any fill material imported to the site should have support characteristics equal to or greater than that of the on-site soils and be placed and compacted under engineering controlled conditions. It is recommended that R-value testing be performed after completion of rough grading to verify that the pavement design recommendations presented herein are valid.

Asphaltic Concrete

Presented below are the recommended thicknesses for new flexible pavement structures consisting of asphaltic concrete over a granular base. The pavement designs are based on the traffic indices (TI's) indicated. The client and/or civil engineer should verify that these TI's are representative of the anticipated traffic volumes. If the client and/or civil engineer determine that the expected traffic volume will exceed the applicable traffic index, we should be contacted for supplementary recommendations. The design traffic indices equate to the following approximate daily traffic volumes over a 20-year design life, assuming six operational traffic days per week.

Traffic Index	No. of Heavy Trucks per Day
5.0	1
6.0	3
7.0	11
8.0	35
9.0	93

For the purpose of the traffic volumes indicated above, a truck is defined as a 5-axle tractor trailer unit with one 8-kip axle and two 32-kip tandem axles. All of the traffic indices allow for 1,000 automobiles per day.

ASPHALT PAVEMENTS (R=50)					
Materials	**Thickness (inches)**				
	Auto Parking and Auto Drive Lanes (TI = 4.0 to 5.0)	Truck Traffic			
		TI = 6.0	TI = 7.0	TI = 8.0	TI = 9.0
Asphalt Concrete	3	3½	4	5	5½
Aggregate Base	3	4	5	5	7
Compacted Subgrade	12	12	12	12	12

The aggregate base course should be compacted to at least 95 percent of the ASTM D-1557 maximum dry density. The asphaltic concrete should be compacted to at least 95 percent of the Marshall maximum density, as determined by ASTM D-2726. The aggregate base course may consist of crushed aggregate base (CAB) or crushed miscellaneous base (CMB), which is a recycled gravel, asphalt and concrete material. The gradation, R-Value, Sand Equivalent, and Percentage Wear of the CAB or CMB should comply with appropriate specifications contained in the current edition of the "Greenbook" Standard Specifications for Public Works Construction.

Portland Cement Concrete

The preparation of the subgrade soils within concrete pavement areas should be performed as previously described for proposed asphalt pavement areas. The minimum recommended thicknesses for the Portland Cement Concrete pavement sections are as follows:

PORTLAND CEMENT CONCRETE PAVEMENTS (R=50)				
Materials	**Thickness (inches)**			
	Autos and Light Truck Traffic (TI = 6.0)	Truck Traffic		
		TI = 7.0	TI = 8.0	TI = 9.0
PCC	5	5½	6½	8
Compacted Subgrade (95% minimum compaction)	12	12	12	12

The concrete should have a 28-day compressive strength of at least 3,000 psi. Any reinforcement within the PCC pavements should be determined by the project structural engineer. The maximum joint spacing within all of the PCC pavements is recommended to be equal to or less than 30 times the pavement thickness.

7.0 GENERAL COMMENTS

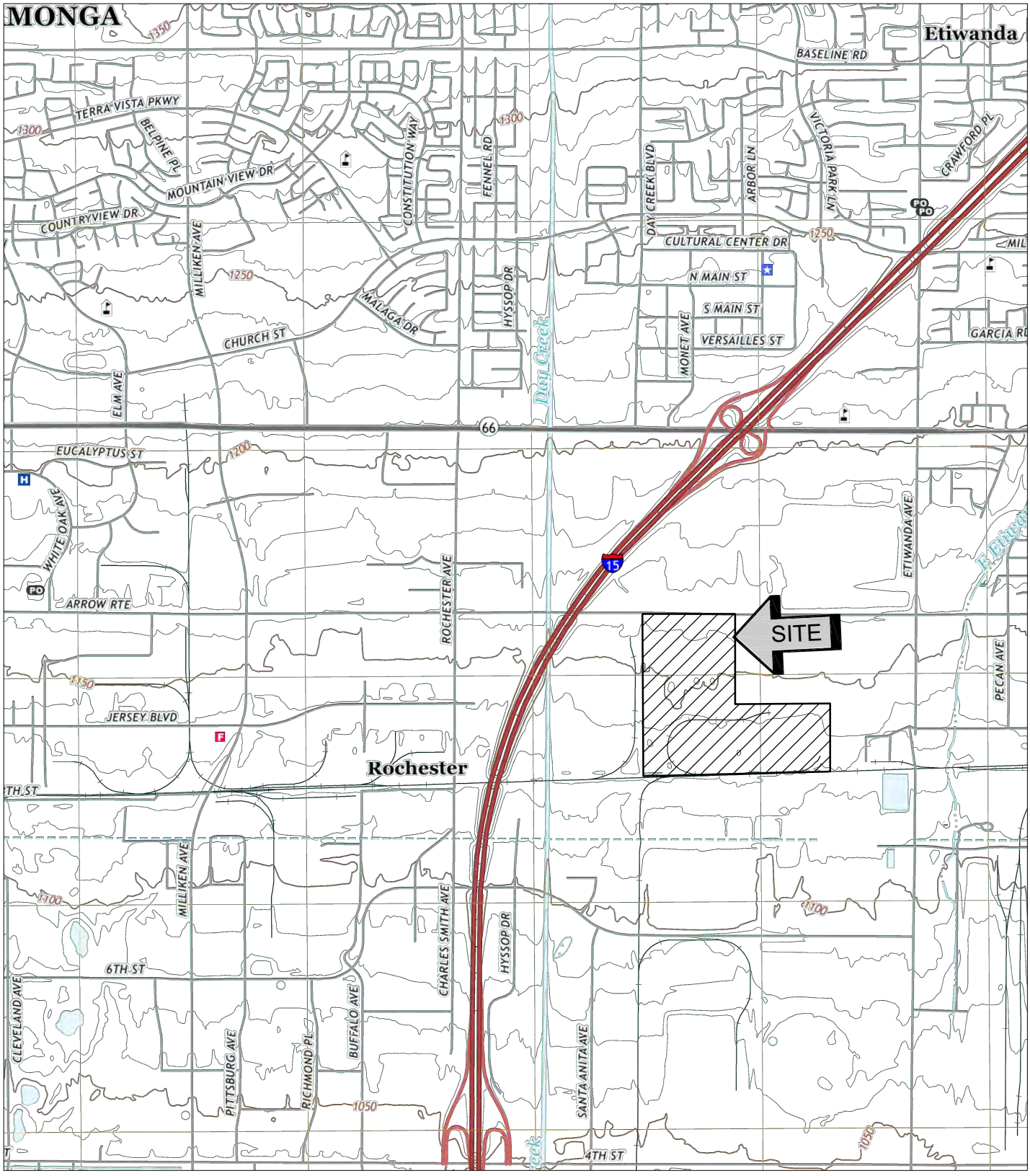
This report has been prepared as an instrument of service for use by the client, in order to aid in the evaluation of this property and to assist the architects and engineers in the design and preparation of the project plans and specifications. This report may be provided to the contractor(s) and other design consultants to disclose information relative to the project. However, this report is not intended to be utilized as a specification in and of itself, without appropriate interpretation by the project architect, civil engineer, and/or structural engineer. The reproduction and distribution of this report must be authorized by the client and Southern California Geotechnical, Inc. Furthermore, any reliance on this report by an unauthorized third party is at such party's sole risk, and we accept no responsibility for damage or loss which may occur. The client(s)' reliance upon this report is subject to the Engineering Services Agreement, incorporated into our proposal for this project.

The analysis of this site was based on a subsurface profile interpolated from limited discrete soil samples. While the materials encountered in the project area are considered to be representative of the total area, some variations should be expected between boring locations and sample depths. If the conditions encountered during construction vary significantly from those detailed herein, we should be contacted immediately to determine if the conditions alter the recommendations contained herein.

This report has been based on assumed or provided characteristics of the proposed development. It is recommended that the owner, client, architect, structural engineer, and civil engineer carefully review these assumptions to ensure that they are consistent with the characteristics of the proposed development. If discrepancies exist, they should be brought to our attention to verify that they do not affect the conclusions and recommendations contained herein. We also recommend that the project plans and specifications be submitted to our office for review to verify that our recommendations have been correctly interpreted.

The analysis, conclusions, and recommendations contained within this report have been promulgated in accordance with generally accepted professional geotechnical engineering practice. No other warranty is implied or expressed.

APPENDIX A



SOURCE: USGS TOPOGRAPHIC MAP OF THE GUASTI QUADRANGLE, SAN BERNARDINO COUNTY, CALIFORNIA, 2018.

SITE LOCATION MAP

PROPOSED WAREHOUSE DEVELOPMENT

RANCHO CUCAMONGA, CALIFORNIA

SCALE: 1" = 2000'	
DRAWN: RB CHKD: GKM	
SCG PROJECT 21G209-1	
PLATE 1	

SOUTHERN CALIFORNIA GEOTECHNICAL



NORTH

SoCalGeo

GEOTECHNICAL LEGEND

- APPROXIMATE BORING LOCATION
- PROPOSED BUILDING OUTLINE
- PROPERTY LINE

NOTE: AERIAL PHOTO PROVIDED BY GOOGLE EARTH.

BORING LOCATION PLAN

PROPOSED WAREHOUSE DEVELOPMENT

RANCHO CUCAMONGA, CALIFORNIA

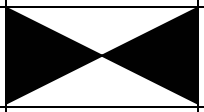
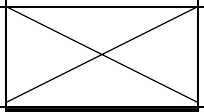
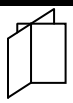
SCALE: 1" = 250'	
DRAWN: RB CHKD: GKM	
SCG PROJECT 21G209-1	
PLATE 2	

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL

APPENDIX B

BORING LOG LEGEND

SAMPLE TYPE	GRAPHICAL SYMBOL	SAMPLE DESCRIPTION
AUGER		SAMPLE COLLECTED FROM AUGER CUTTINGS, NO FIELD MEASUREMENT OF SOIL STRENGTH. (DISTURBED)
CORE		ROCK CORE SAMPLE: TYPICALLY TAKEN WITH A DIAMOND-TIPPED CORE BARREL. TYPICALLY USED ONLY IN HIGHLY CONSOLIDATED BEDROCK.
GRAB		SOIL SAMPLE TAKEN WITH NO SPECIALIZED EQUIPMENT, SUCH AS FROM A STOCKPILE OR THE GROUND SURFACE. (DISTURBED)
CS		CALIFORNIA SAMPLER: 2-1/2 INCH I.D. SPLIT BARREL SAMPLER, LINED WITH 1-INCH HIGH BRASS RINGS. DRIVEN WITH SPT HAMMER. (RELATIVELY UNDISTURBED)
NSR		NO RECOVERY: THE SAMPLING ATTEMPT DID NOT RESULT IN RECOVERY OF ANY SIGNIFICANT SOIL OR ROCK MATERIAL.
SPT		STANDARD PENETRATION TEST: SAMPLER IS A 1.4 INCH INSIDE DIAMETER SPLIT BARREL, DRIVEN 18 INCHES WITH THE SPT HAMMER. (DISTURBED)
SH		SHELBY TUBE: TAKEN WITH A THIN WALL SAMPLE TUBE, PUSHED INTO THE SOIL AND THEN EXTRACTED. (UNDISTURBED)
VANE		VANE SHEAR TEST: SOIL STRENGTH OBTAINED USING A 4 BLADED SHEAR DEVICE. TYPICALLY USED IN SOFT CLAYS-NO SAMPLE RECOVERED.

COLUMN DESCRIPTIONS

DEPTH: Distance in feet below the ground surface.

SAMPLE: Sample Type as depicted above.

BLOW COUNT: Number of blows required to advance the sampler 12 inches using a 140 lb hammer with a 30-inch drop. 50/3" indicates penetration refusal (>50 blows) at 3 inches. WH indicates that the weight of the hammer was sufficient to push the sampler 6 inches or more.

POCKET PEN.: Approximate shear strength of a cohesive soil sample as measured by pocket penetrometer.

GRAPHIC LOG: Graphic Soil Symbol as depicted on the following page.

DRY DENSITY: Dry density of an undisturbed or relatively undisturbed sample in lbs/ft^3.

MOISTURE CONTENT: Moisture content of a soil sample, expressed as a percentage of the dry weight.

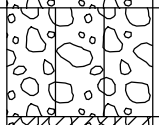
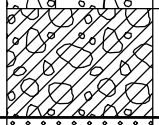
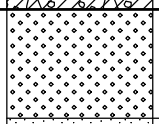
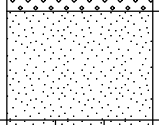
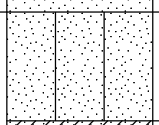
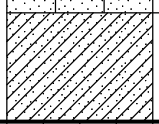
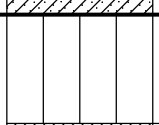
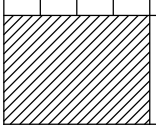
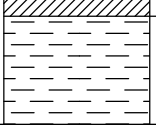
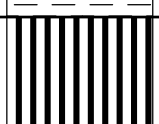
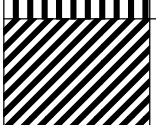
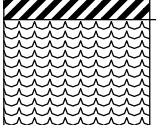
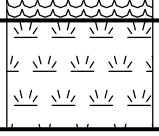
LIQUID LIMIT: The moisture content above which a soil behaves as a liquid.

PLASTIC LIMIT: The moisture content above which a soil behaves as a plastic.

PASSING #200 SIEVE: The percentage of the sample finer than the #200 standard sieve.

UNCONFINED SHEAR: The shear strength of a cohesive soil sample, as measured in the unconfined state.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-1

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/13/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 22 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		50/5"			FILL: Brown Gravelly fine to coarse Sand, little to some Silt, very dense-dry to damp	118	1					
		33			POSSIBLE FILL: Gray Brown Silty fine to coarse Sand, trace fine Gravel, medium dense-damp	121	4					
5		51			ALLUVIUM: Brown Gravelly fine to coarse Sand, trace Silt, medium dense to dense-damp	118	2					
		24				109	3					
		43			Brown Silty fine Sand, trace medium to coarse Sand, loose to medium dense-damp to moist	106	5					
10												
		7			@ 13½ feet, trace Iron Oxide staining, trace to little Clay, moist		12					
15												
		9					10					
20												
		16					10					
25					Boring Terminated at 25 feet							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-1

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-2

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/13/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 12 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		21			FILL: Brown Silty fine to coarse Sand, little fine to coarse Gravel, medium dense-damp	100	4					
		18			ALLUVIUM: Brown Silty fine Sand, trace medium to coarse Sand, medium dense-damp	105	5					
5		18				108	6					
		17			@ 7 feet, with 2± inch Silty fine to coarse Sand lense	106	7					
		65			@ 9 feet, no recovery, dense							No Recovery
10												
		50/5"			@ 13½ feet, little fine to coarse Gravel, very dense		2					Poor Recovery
15												
		14			@ 18½ feet, moist		12					
20					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-2**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-3

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/13/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 13 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		22			FILL: Brown Silty fine to coarse Sand, little fine to coarse Gravel, medium dense-damp		3					
		23			@ 3½ feet, trace fine Gravel		4					
5												
		5			ALLUVIUM: Brown Silty fine Sand, trace Calcareous veining, loose to medium dense-moist		13					
		12					9					
10												
		16			@ 13½ feet, trace to little medium to coarse Sand		9					
15					Boring Terminated at 15'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-3

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-4

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/13/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 17 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		47			FILL: Brown Silty fine Sand, trace medium to coarse Sand, trace fine Gravel, medium dense to dense-dry to damp	110	1					
		16				103	3					
5		10			ALLUVIUM: Brown Silty fine Sand, loose to medium dense-damp to moist	93	11					
		12				103	10					
10		13			@ 9 feet, trace medium to coarse Sand, trace fine Gravel	102	6					
		10					8					
15												
		18			Brown Silty fine to medium Sand, trace Clay, trace Calcareous veining, medium dense-moist		12					
20					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-4**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-5

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 18 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					7½± inches Reinforced Portland Cement Concrete							
		16			FILL: Brown Silty fine Sand, little medium to coarse Sand, medium dense-damp to moist		9					
		14			ALLUVIUM: Brown fine to medium Sand, trace coarse Sand, trace Silt, medium dense-damp		5					
5		14			Brown fine to coarse Sand, trace fine to coarse Gravel, medium dense-dry to damp		2					
		22					2					
10					Gray Brown Gravelly fine to coarse Sand, medium dense to dense-dry to damp							
		25					1					
15												
		32					3					
20					Brown Silty fine to coarse Sand, little fine to coarse Gravel, dense-damp to moist							
		40					8					
25					Boring Terminated at 25'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-5

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-6

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 15 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					7½± inches Portland Cement Concrete with reinforcement							
		18			FILL: Brown SIlty fine Sand, trace medium to coarse Sand, medium dense-damp		6					
		8			ALLUVIUM: Brown Silty fine Sand, trace Calcareous veining, loose to medium dense-moist		13					
5		11					14					
		11			Brown Silty fine to medium Sand, trace coarse Sand, trace fine Gravel, medium dense-damp		5					
10					Brown Silty fine Sand, trace medium to coarse Sand, medium dense-damp to moist							
		14					10					
15					Brown fine to coarse Sand, trace Silt, trace fine to coarse Gravel dense-damp							
		42					3					
20					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-6**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-7

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 19 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		31			FILL: Brown fine to coarse Sand, trace to little Silt, dense-dry to damp		2					
		10			ALLUVIUM: Brown Silty fine Sand, trace medium to coarse Sand, medium dense-damp		5					
5		11			Brown fine Sandy Silt, trace medium to coarse Sand, medium dense-moist		13					
		10			Brown Silty fine Sand, trace fine Gravel, medium dense-damp		6					
10												
		14			Brown fine to coarse Sand, trace Silt, trace fine to coarse Gravel, medium dense-dry to damp		2					
15												
		41			Brown Gravelly fine to coarse Sand, trace little Silt, dense to very dense-damp		3					
20												
		50					3					
25					Boring Terminated at 25'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-7**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-8

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 14 feet
READING TAKEN: At Completion

FIELD RESULTS					DESCRIPTION	LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					9½± inches Reinforced Portland Cement Concrete							
		28			FILL: Brown Silty fine Sand, trace medium to coarse Sand, medium dense-damp	107	4					
		20				113	5					
5		23				107	6					
		28			ALLUVIUM: Brown fine to coarse Sand, trace Silt, trace fine Gravel, medium dense-damp	107	6					
		21			Brown Silty fine Sand, trace medium to coarse Sand, medium dense-damp to moist	104	7					
10												
		31			@ 13½ feet, with 3± inch lense of Gravelly fine to coarse Sand, dense-damp		4					
15												
		26					9					
20					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-8

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-9

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 17 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					7½± inches Reinforced Portland Cement Concrete							
		12			FILL: Brown Silty fine Sand, trace medium Sand, medium dense-moist to very moist		15					
		16			ALLUVIUM: Brown Silty fine Sand, some medium Sand, medium dense-damp		6					
5												
		22			Brown fine to coarse Sand, trace Silt, trace fine Gravel, medium dense-dry to damp		2					
		16			Brown Silty fine Sand, trace Calcareous veining, medium dense-damp to moist		12					
10												
		9			@13½ feet, loose		10					
15												
		21					10					
20					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-9

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-10

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 13 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					10± inches Reinforced Portland Cement Concrete							
		79/3"			FILL: Black Silty fine to coarse Sand, trace fine to coarse Gravel, little Asphaltic Concrete fragments, very dense-damp		6					
		24			FILL: Brown Silty fine Sand, trace medium to coarse Sand, medium dense-damp		5					
5		8			ALLUVIUM: Brown Silty fine to coarse Sand, trace fine Gravel, trace Calcareous veining, loose-moist		13					
		16			Light Brown Silty fine to coarse Sand, trace fine to coarse Gravel, medium dense-damp		5					
10												
		12			Light Brown Silty fine Sand, medium dense-damp		6					
15					Boring Terminated at 15'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-10**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-11

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 17 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		34			FILL: Brown Silty fine to coarse Sand, mottled, little fine to coarse Gravel, medium dense-damp	109	6					
		58			FILL: Brown fine to coarse Gravel, Cobbles, some fine to coarse Sand, trace Silt, dense, damp to moist							No Recovery
5		52										No Recovery
		71				129	5					
		25			ALLUVIUM: Brown Silty fine Sand, trace medium to coarse Sand, trace fine Gravel, medium dense-moist	100	13					
10												
					Gray Brown fine to coarse Sand, extensive Cobbles, trace Silt, medium dense-damp							
		26					5					Disturbed Sample
15												
					Brown Silty fine Sand, trace medium Sand, trace Clay, trace Calcareous veining, medium dense							
		21										No Recovery
20					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-11

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-12

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 23 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					6½± inches Reinforced Portland Cement Concrete							
		60			FILL: Brown SIlty fine Sand, little medium to coarse Sand, trace fine Gravel, dense-damp	118	6					
		28			ALLUVIUM: Brown fine Sand, trace Silt, trace medium to coarse Sand, medium dense-dry	104	2					
5		13			Brown Silty fine Sand, trace to little medium to coarse Sand, loose-moist	106	12					
		21			Brown fine to medium Sand, trace Silt, trace coarse Sand, medium dense-dry to damp	104	2					
10		20			Brown Silty fine Sand, little medium to coarse Sand, trace to little fine Gravel, medium dense-damp to moist	112	4					
15		17			@ 13½ feet, trace to little Clay, trace Calcareous veining, no fine Gravel, no coarse Sand, very moist		19					
20		16					9					
25		14					12					
					Boring Terminated at 25'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-12**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-13

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 19 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					2± inches Asphaltic Concrete, no Aggregate Base							
		14			FILL: Brown Silty fine Sand, trace medium to coarse Sand, trace fine Gravel, loose-damp to moist	109	8					
		36			@ 3 feet, little fine to coarse Gravel, occasional Cobbles, medium dense	128	3					
5		38			ALLUVIUM: Light Brown fine to coarse Sand, trace Silt, trace Iron Oxide staining, medium dense-dry to damp	123	2					
		18			Light Brown Silty fine Sand, trace medium Sand, trace fine to coarse Gravel, medium dense-damp to moist	109	6					
		28			@ 9 feet, trace Clay, very moist	106	12					
10												
		20					6					
15												
		11			@ 18½ feet, no fine Gravel		9					
20												
		19			@ 23½ feet, trace fine Gravel		7					
25												
					Boring Terminated at 25'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-13

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-14

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 17 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					6± inches Asphaltic Concrete, no Aggregate Base, 8± inches Portland Cement Concrete							
		22			FILL: Dark Gray Silty fine to medium Sand, loose to medium dense-damp to moist	105	7					
		14			@ 3 feet, trace coarse Sand	101	7					
5		11			@ 5 feet, trace fine Gravel	105	9					
		22				105	8					
		20			ALLUVIUM: Brown to Gray Brown Silty fine to medium Sand, trace Iron Oxide staining, medium dense-damp to moist	112	9					
10												
		17					9					
15												
		18					9					
20					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-14**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-15

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 12.5 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					7± inches Asphaltic Concrete, no Aggregate Base							
		13			FILL: Brown Silty fine Sand, trace medium to coarse Sand, loose to medium dense-damp		7					
		6					9					
5		9			@ 7 feet, trace fine Gravel		5					
		15			ALLUVIUM: Light Brown Silty fine Sand, trace Calcareous veining, medium dense-damp to moist		8					
10												
		13					12					
15					Boring Terminated at 15'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-15**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-16

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 15 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					6½± inches Asphaltic Concrete, no Aggregate Base							
		54			FILL: Brown Silty fine Sand, little to some fine to coarse Gravel, occasional Cobbles, medium dense to very dense -damp	118	4					
		50/1"										No Recovery
5		18					4					Disturbed Sample
		12			ALLUVIUM: Light Brown Silty fine Sand, trace medium Sand, trace Calcareous veining, loose to medium dense-damp to moist	107	8					
10		17				113	6					
		20				100	8					
15												
		31				101	9					
20					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-16**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-17

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 16 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					10± inches Asphaltic Concrete, No Aggregate Base							
		29			FILL: Brown Black Silty fine to coarse Sand, trace fine to coarse Gravel, mottled, trace Asphaltic Concrete, medium dense-damp to moist		9					
		9			FILL: Brown Silty fine Sand, little medium to coarse Sand, loose-damp		8					
5		26			ALLUVIUM: Brown Gravelly fine to coarse Sand, trace Silt, medium dense-damp		5					
		18			Brown Silty fine Sand, little medium to coarse Sand, medium dense-damp		8					
10												
					Brown Silty fine Sand, trace medium to coarse Sand, medium dense-damp to moist							
		18					3					
15												
		25					9					
20												
					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-17**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-18

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 17 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					6± inches Asphaltic Concrete, no Aggregate Base							
		26			FILL: Brown Silty fine Sand, little medium to coarse Sand, medium dense-damp		6					
		18			ALLUVIUM: Brown Silty fine to medium Sand, trace to little coarse Sand, trace to little fine Gravel, medium dense-damp		5					
5		15					6					
		21					6					
10					Brown Silty fine to coarse Sand, trace to little fine to coarse Gravel, dense-damp							
		43					4					
15												
		30					7					
20					Boring Terminated at 20'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-18

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-19

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/15/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 19 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		26			FILL: Brown Silty fine Sand, trace medium to coarse Sand, trace fine Gravel, medium dense-damp to moist	111	9					
		15			ALLUVIUM: Brown Silty fine to medium Sand, trace coarse Sand, trace fine Gravel, medium dense-moist	106	12					
5		20			Brown fine to coarse Sand, trace Silt, trace fine Gravel, medium dense-dry to damp	107	5					
		32			@ 7 feet, trace fine to coarse Gravel	106	2					
		28			Brown Silty fine Sand, trace medium Sand, medium dense-damp	109	7					
10												
		36			Brown fine to coarse Sand, trace to little Silt, trace fine Gravel dense-damp		4					
15												
		43			@ 18½ feet, trace to little fine to coarse Gravel		3					
20												
		19			Brown Silty fine Sand, medium dense-moist		13					
25					Boring Terminated at 25'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-19

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-20

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/15/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 20 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					4½± inches Asphaltic Concrete, no Aggregate Base							
		18			FILL: Brown fine to medium Sand, trace fine Gravel, trace Silt, medium dense-damp		3					
		10			ALLUVIUM: Brown Silty fine to medium Sand, trace coarse Sand, trace fine to coarse Gravel, medium dense-damp		5					
5												
		12			Brown fine to coarse Sand, trace Silt, trace fine to coarse Gravel, loose to medium dense-damp to moist		3					
		7					9					
10					Boring Terminated at 10'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-20

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-21

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/15/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 18 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					2± inches Asphaltic Concrete							
		6			POSSIBLE FILL: Brown Silty fine Sand, trace medium Sand, loose-damp to moist		11					
		4			@ 3½ feet, trace fine Gravel, trace coarse Sand, very loose		9					
5												
		2			ALLUVIUM: Brown Silty fine Sand, trace Clay, trace medium to coarse Sand, trace Clay, very loose-moist		14					
		8			Brown fine to medium Sand, trace coarse Sand, little Silt trace fine to coarse Gravel occasional Cobbles, loose-damp to moist		8					
10												
					Boring Terminated at 10'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-21

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-22

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/15/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 6 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		31			FILL: Brown Silty fine to coarse Sand, trace fine Gravel, dense-damp		3					
		16			ALLUVIUM: Brown Silty fine Sand, trace medium to coarse Sand, medium dense-damp		6					
5		10			@ 6 feet, trace fine Gravel		5					
		10					6					
10					Boring Terminated at 10'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-22**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-23

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/15/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: --
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					1¾± inches Asphaltic Concrete							
		3			FILL: Brown Silty fine Sand, trace medium to coarse Sand, very loose-damp to moist		12					
		10			ALLUVIUM: Brown Silty fine Sand, trace medium Sand, trace fine Gravel, medium dense-damp to moist		9					
5												
		28			Brown Gray Gravelly fine to coarse Sand, trace Silt, medium dense-dry to damp		2					
		16			Brown Silty fine Sand, trace to little medium to coarse Sand, trace fine to coarse Gravel, medium dense-damp		5					
10												
					Boring Terminated at 10'							

TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-23

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-24

JOB NO.: 21G209-1
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/15/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH: 8 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					4½± inches Portland Cement Concrete							
		14			FILL: Brown Silty fine Sand, some medium to coarse Sand, trace fine to coarse Gravel, loose to medium dense-damp to moist		9					
		8					9					
5												
		9			ALLUVIUM: Brown Silty fine Sand, trace Calcareous veining, loose to medium dense-damp to moist		13					
		12					8					
10					Boring Terminated at 10'							

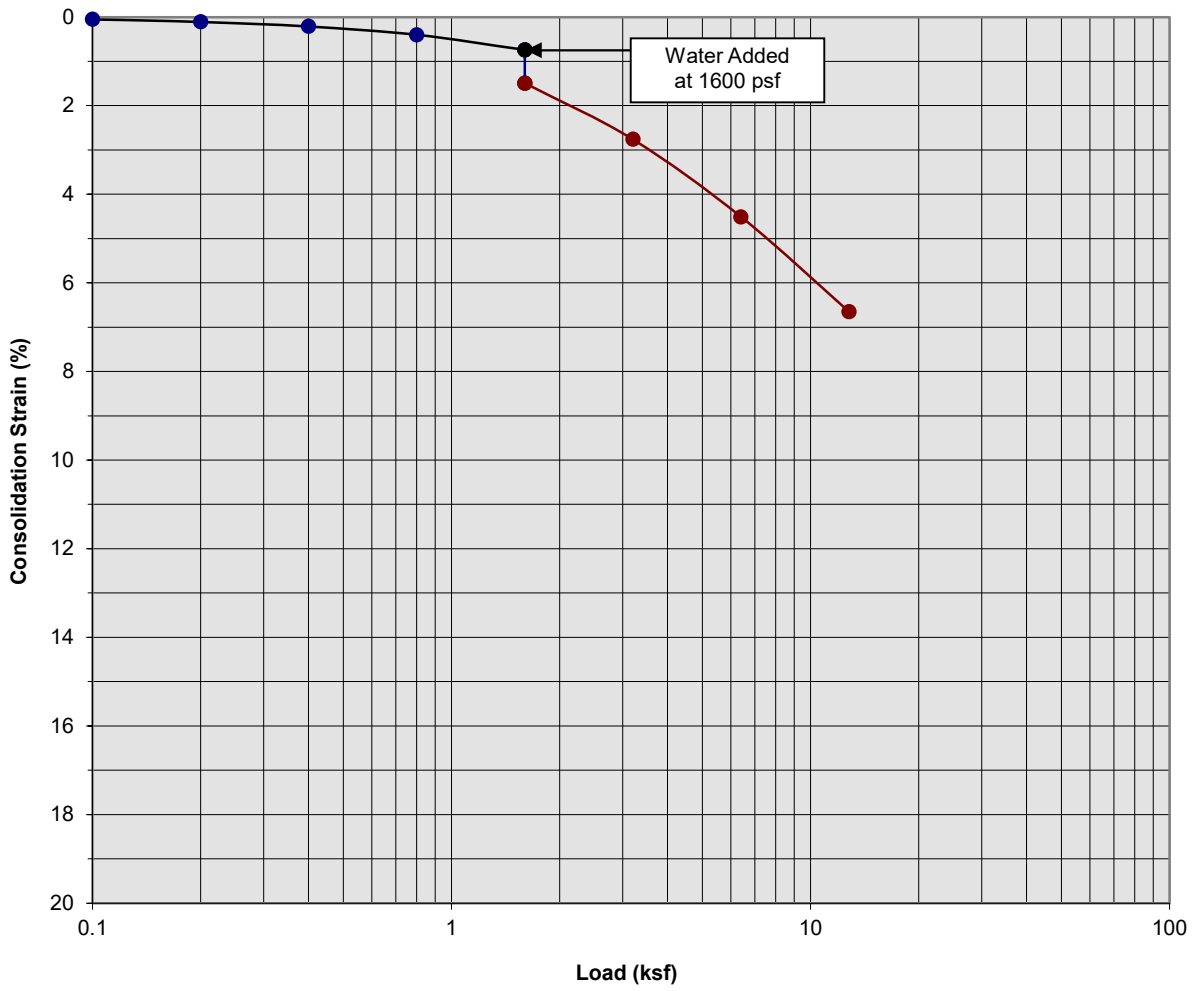
TBL 21G209-1.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-24

APPENDIX C

Consolidation/Collapse Test Results



Classification: Brown Silty fine Sand

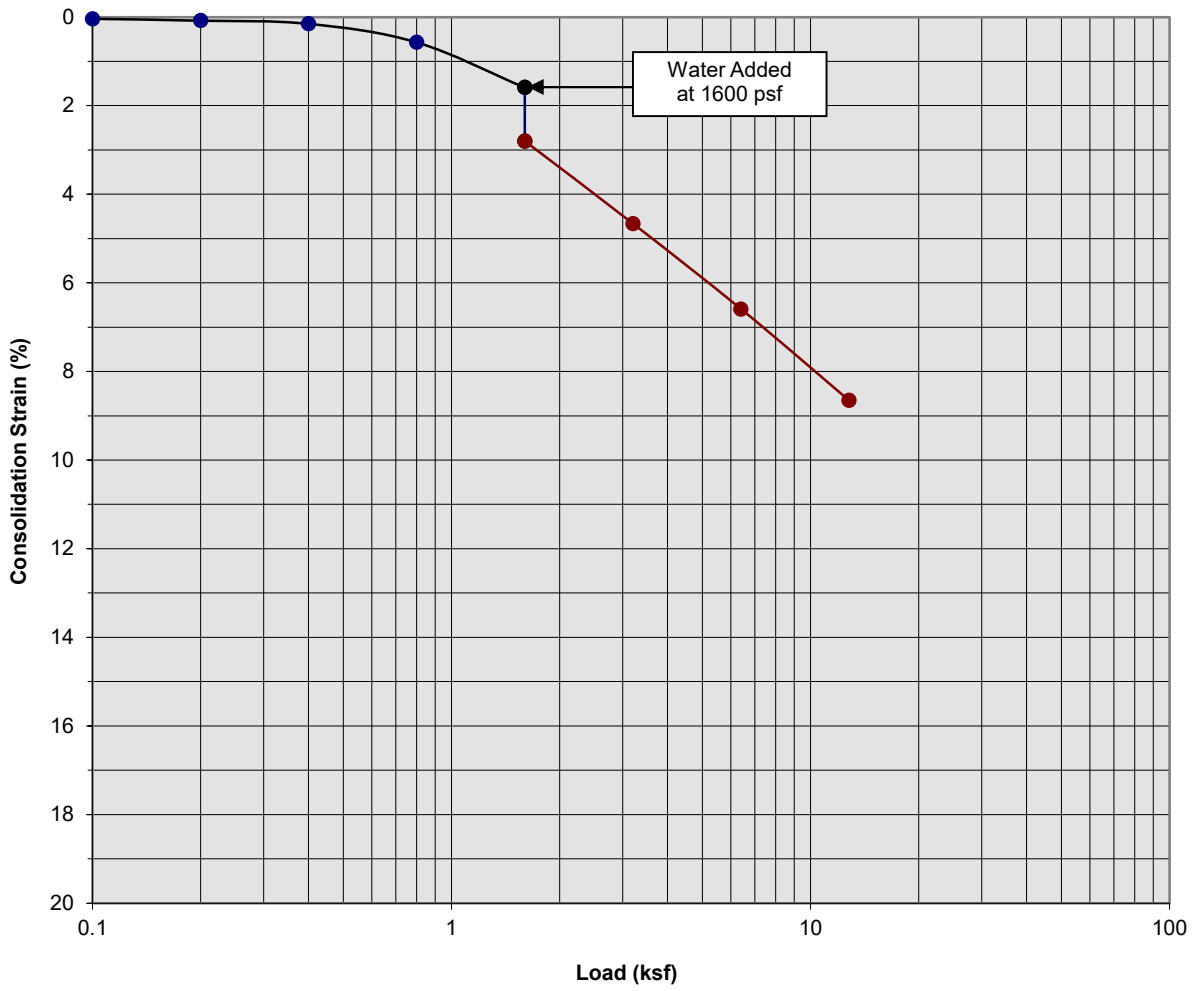
Boring Number:	B-4	Initial Moisture Content (%)	10
Sample Number:	---	Final Moisture Content (%)	20
Depth (ft)	7 to 8	Initial Dry Density (pcf)	102.8
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	109.4
Specimen Thickness (in)	1.0	Percent Collapse (%)	0.75

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 1

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Brown Silty fine Sand, trace medium to coarse, trace fine Gravel

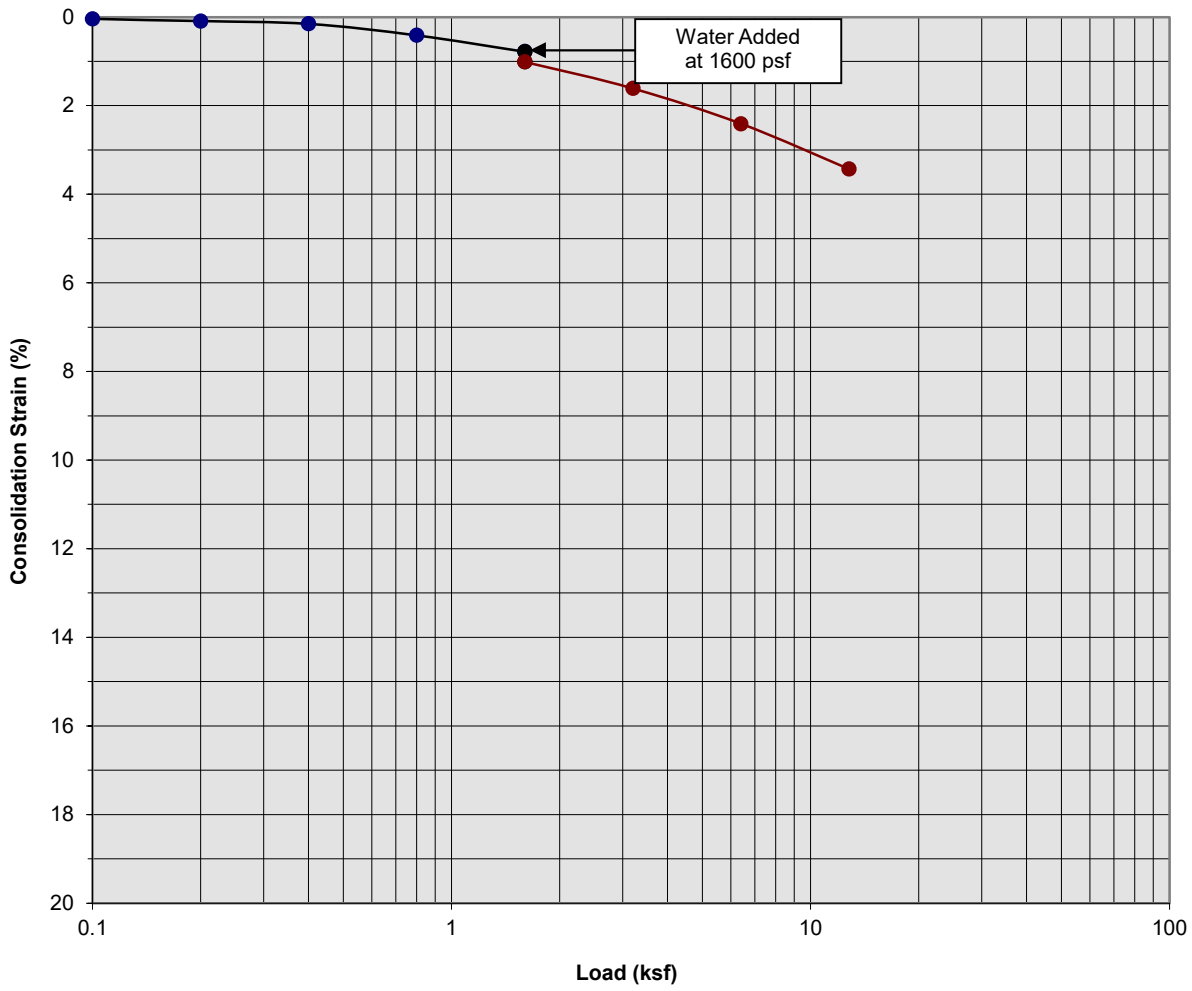
Boring Number:	B-4	Initial Moisture Content (%)	6
Sample Number:	---	Final Moisture Content (%)	17
Depth (ft)	9 to 10	Initial Dry Density (pcf)	102.5
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	111.6
Specimen Thickness (in)	1.0	Percent Collapse (%)	1.21

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 2

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Brown fine Sand, trace Silt, trace medium to coarse Sand

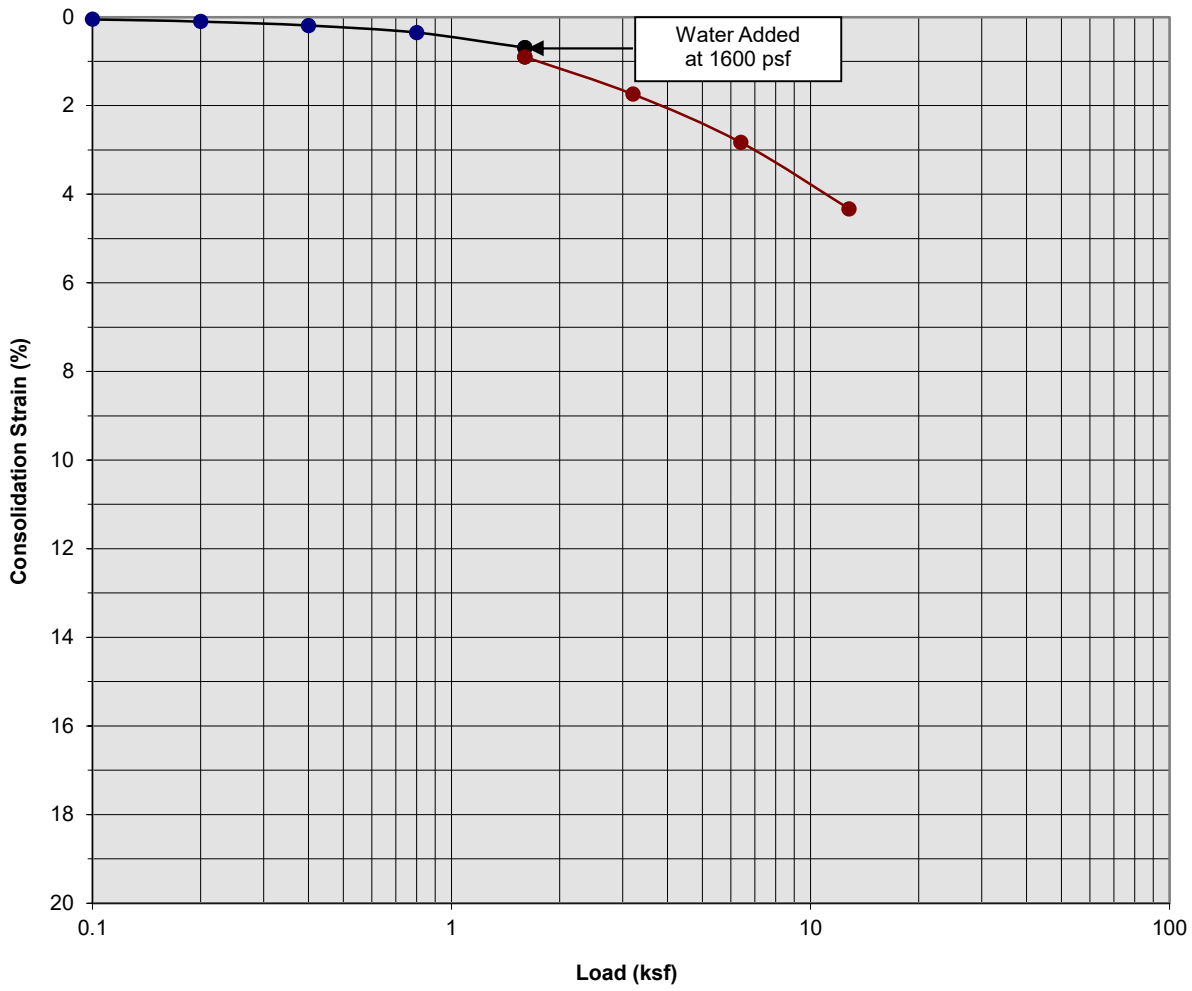
Boring Number:	B-12	Initial Moisture Content (%)	2
Sample Number:	---	Final Moisture Content (%)	22
Depth (ft)	3 to 4	Initial Dry Density (pcf)	103.5
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	106.5
Specimen Thickness (in)	1.0	Percent Collapse (%)	0.23

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 3

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Brown Silty fine Sand, trace to little medium to coarse Sand

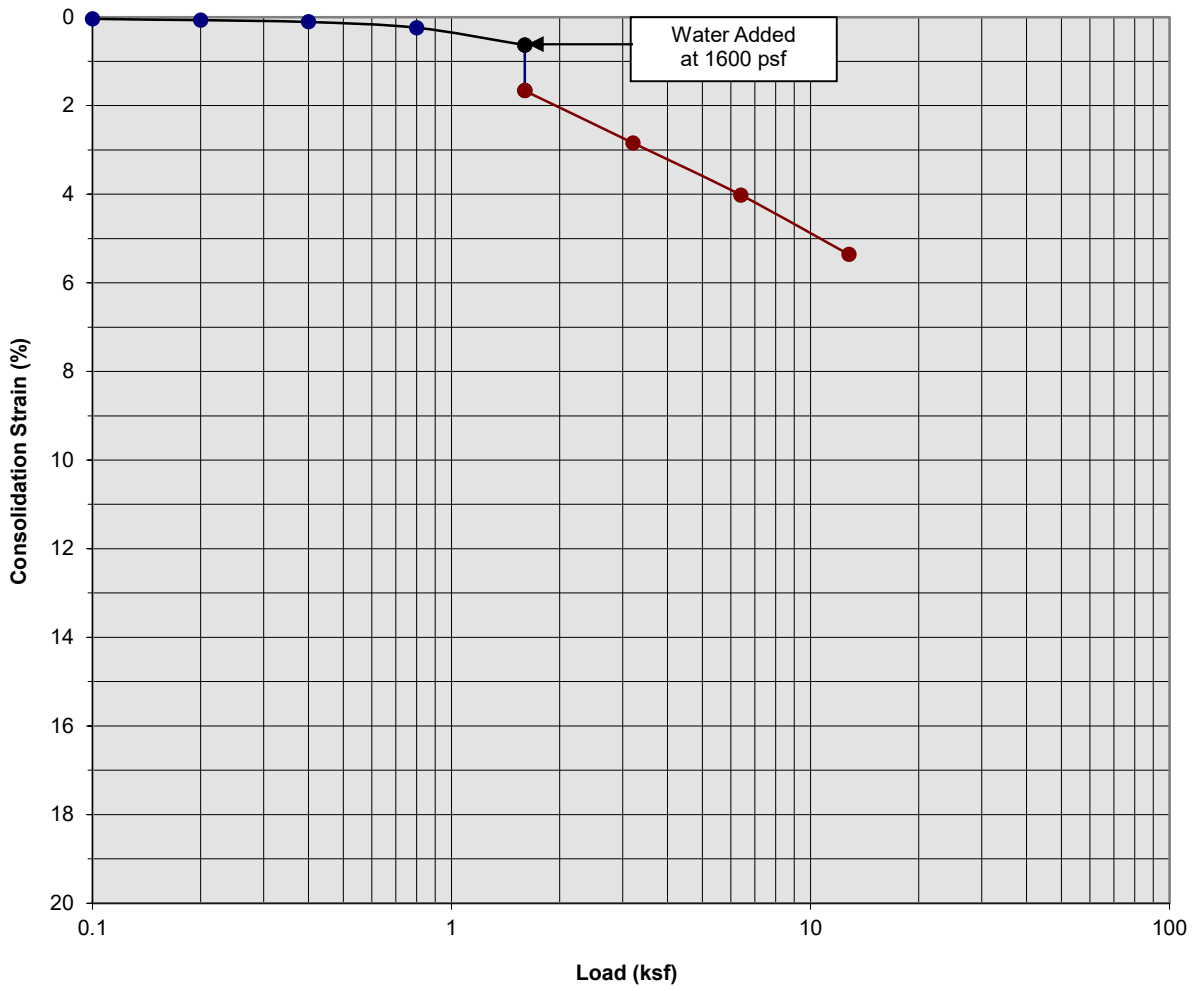
Boring Number:	B-12	Initial Moisture Content (%)	13
Sample Number:	---	Final Moisture Content (%)	18
Depth (ft)	5 to 6	Initial Dry Density (pcf)	105.6
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	109.9
Specimen Thickness (in)	1.0	Percent Collapse (%)	0.21

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 4

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Brown fine to coarse Sand, trace Silt

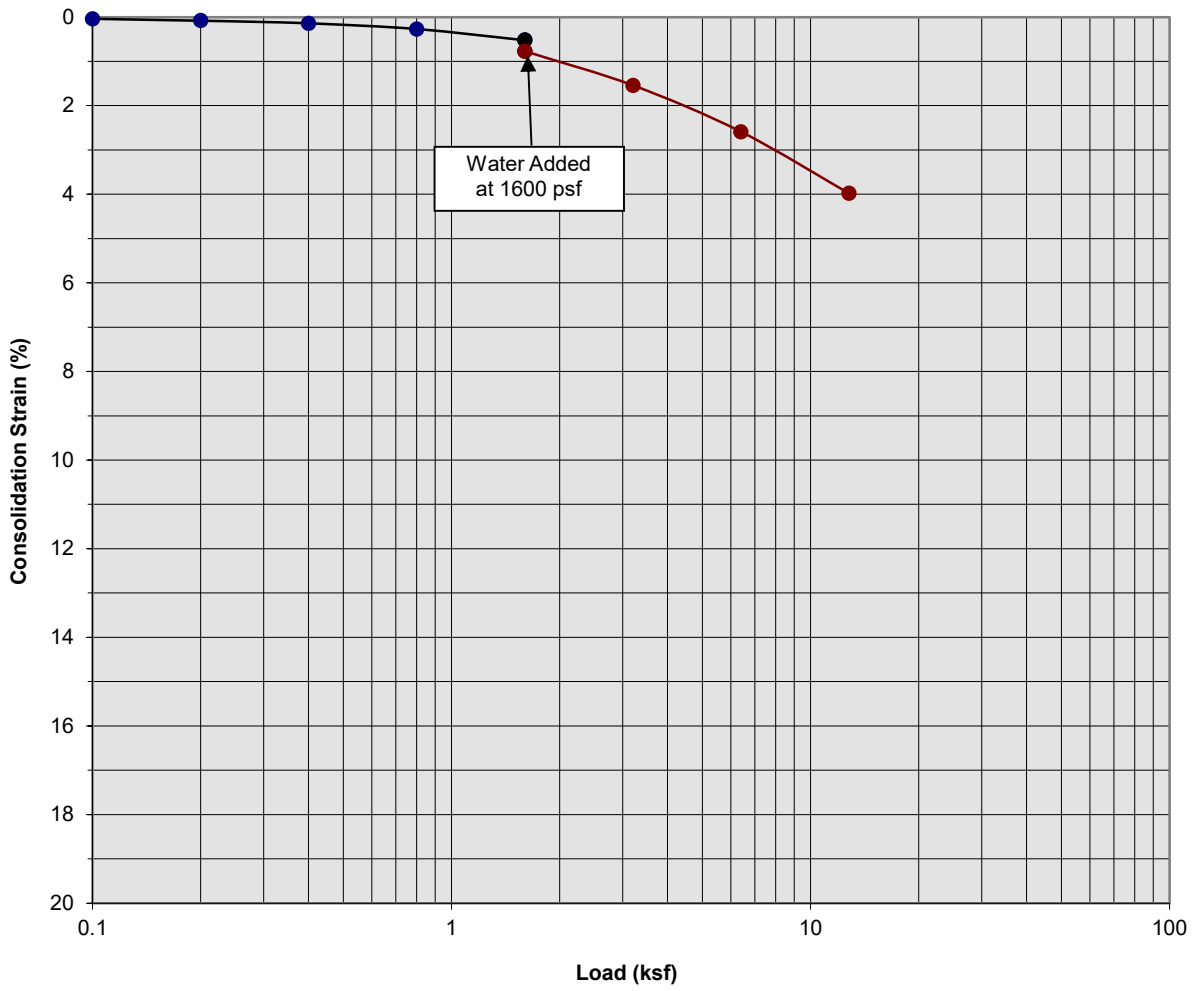
Boring Number:	B-12	Initial Moisture Content (%)	2
Sample Number:	---	Final Moisture Content (%)	16
Depth (ft)	7 to 8	Initial Dry Density (pcf)	104.2
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	110.0
Specimen Thickness (in)	1.0	Percent Collapse (%)	1.03

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 5

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Brown Silty fine Sand, little medium to coarse Sand, trace fine Gravel

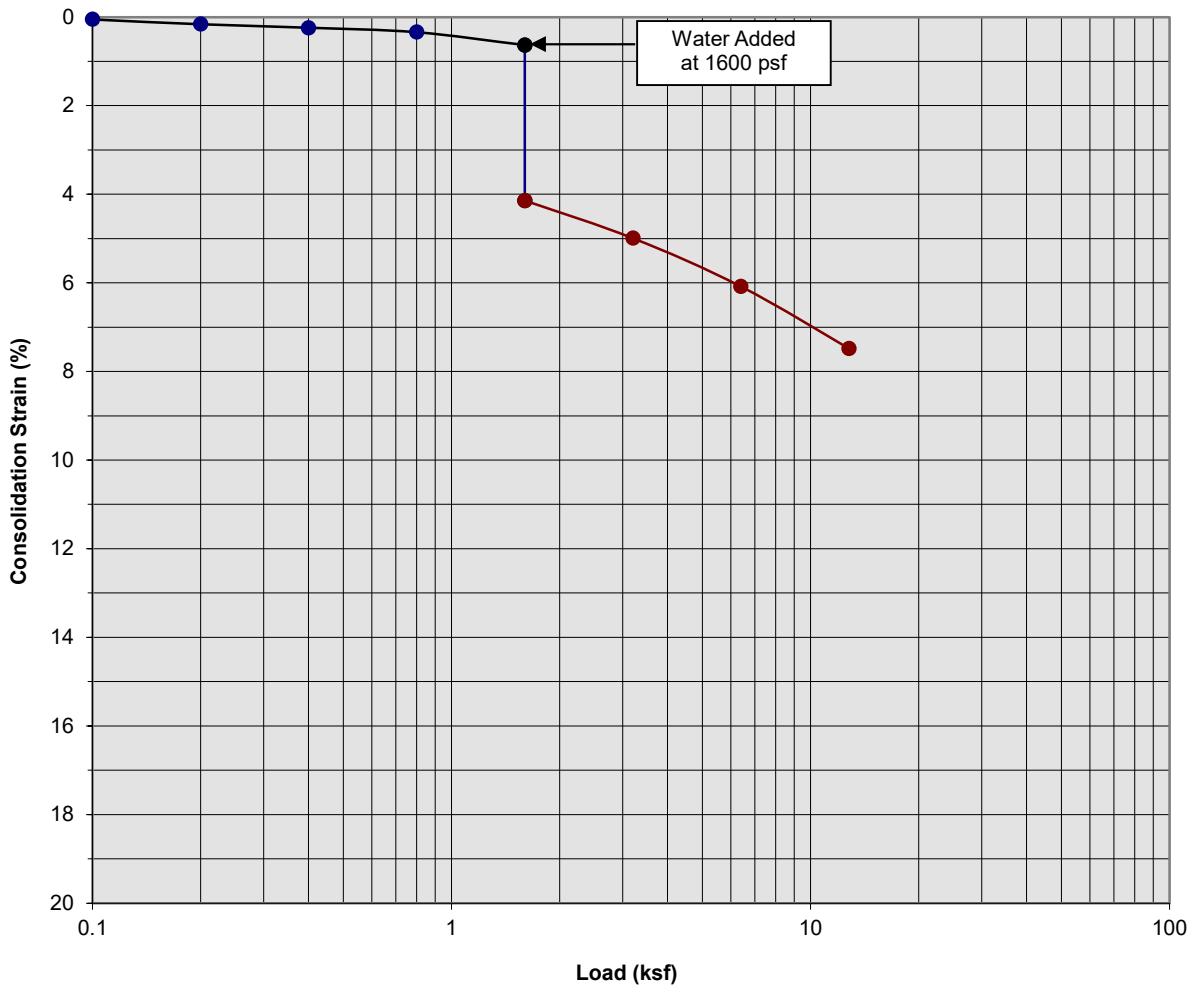
Boring Number:	B-12	Initial Moisture Content (%)	4
Sample Number:	---	Final Moisture Content (%)	16
Depth (ft)	9 to 10	Initial Dry Density (pcf)	111.8
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	116.5
Specimen Thickness (in)	1.0	Percent Collapse (%)	0.25

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 6

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: FILL: Dark Gray Silty fine to medium Sand

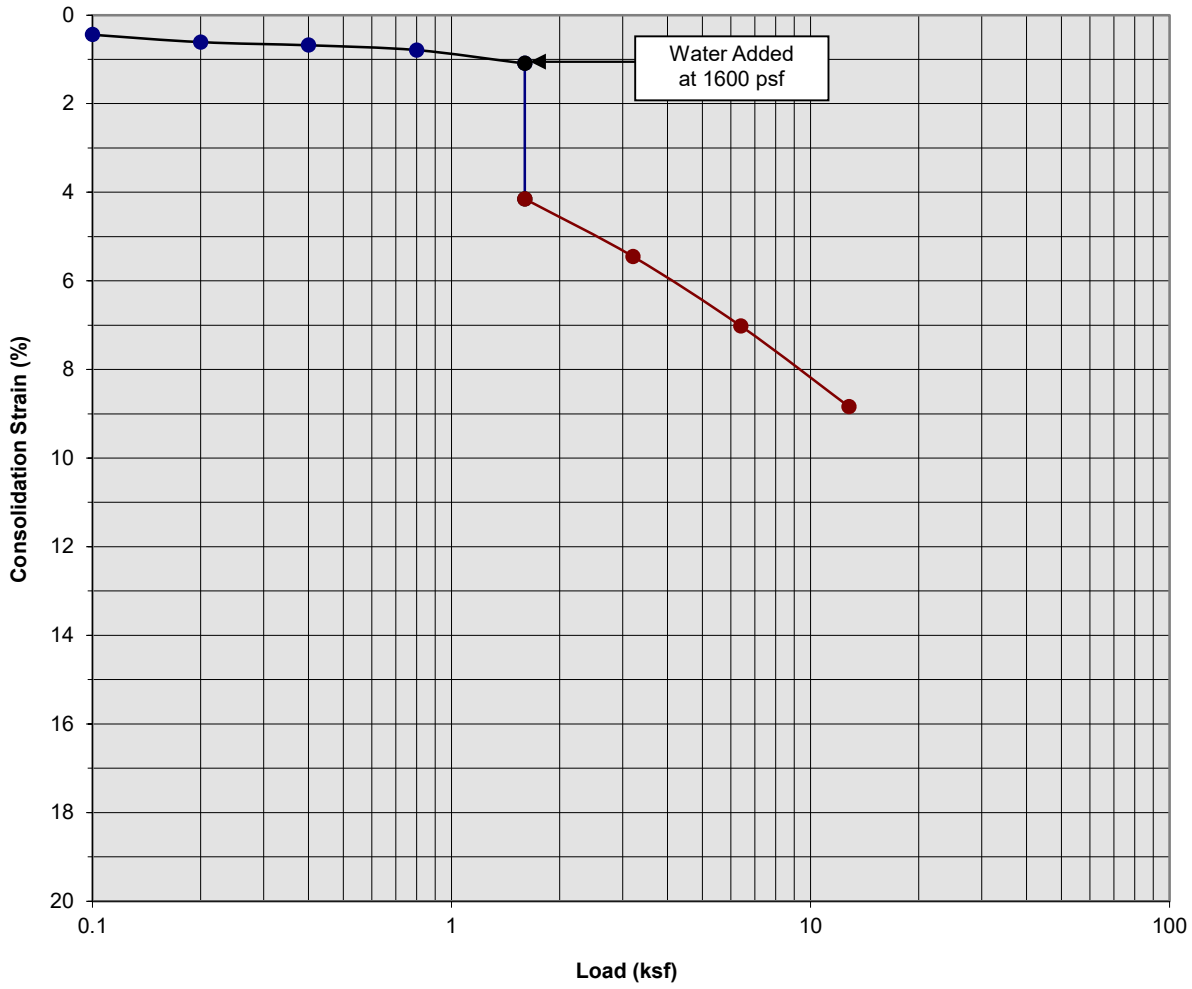
Boring Number:	B-14	Initial Moisture Content (%)	8
Sample Number:	---	Final Moisture Content (%)	20
Depth (ft)	3 to 4	Initial Dry Density (pcf)	100.5
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	108.9
Specimen Thickness (in)	1.0	Percent Collapse (%)	3.51

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 7

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: FILL: Dark Gray Silty fine to medium Sand, trace fine Gravel

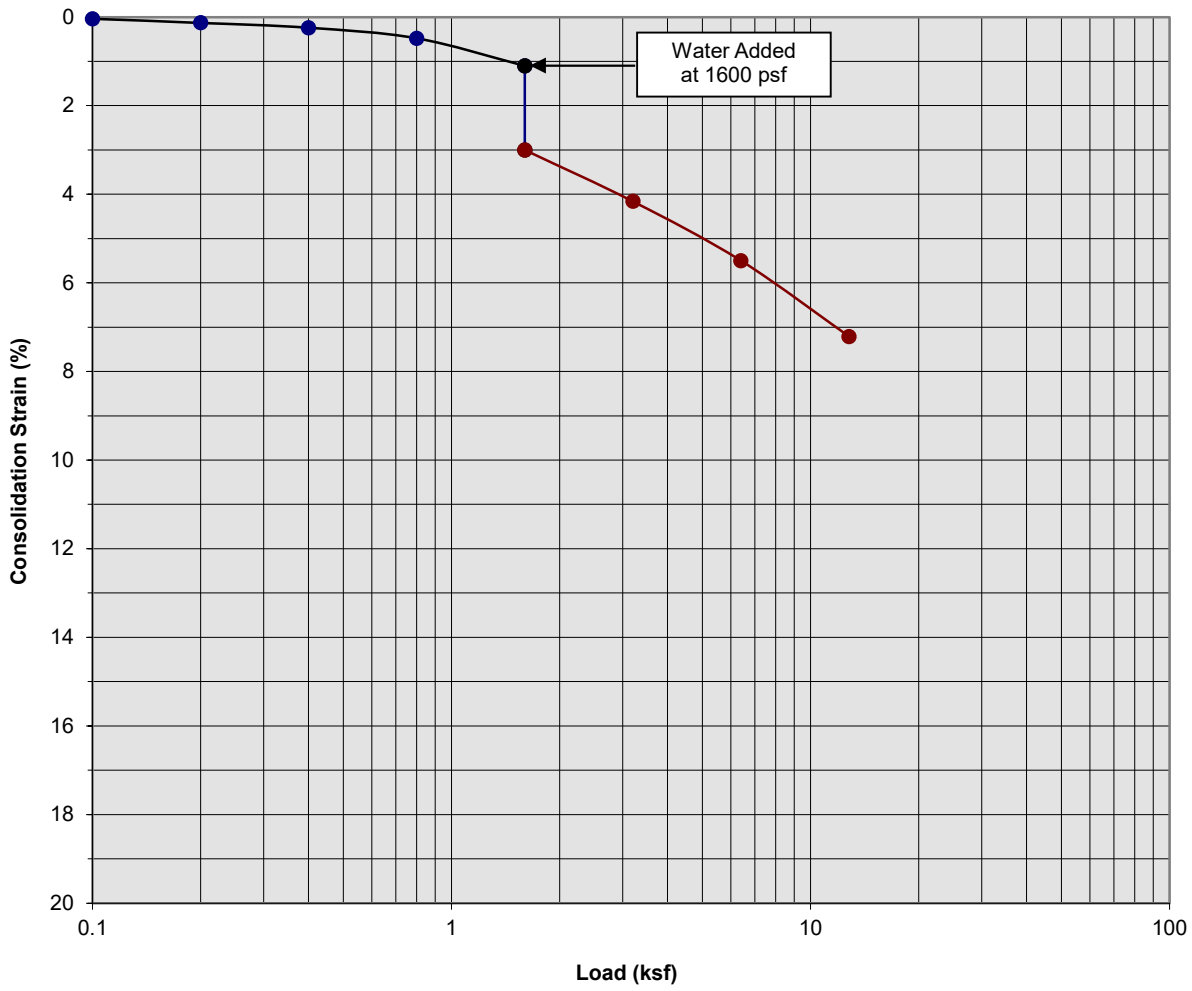
Boring Number:	B-14	Initial Moisture Content (%)	8
Sample Number:	---	Final Moisture Content (%)	18
Depth (ft)	5 to 6	Initial Dry Density (pcf)	104.7
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	115.4
Specimen Thickness (in)	1.0	Percent Collapse (%)	3.06

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 8

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: FILL: Dark Gray Silty fine to medium Sand

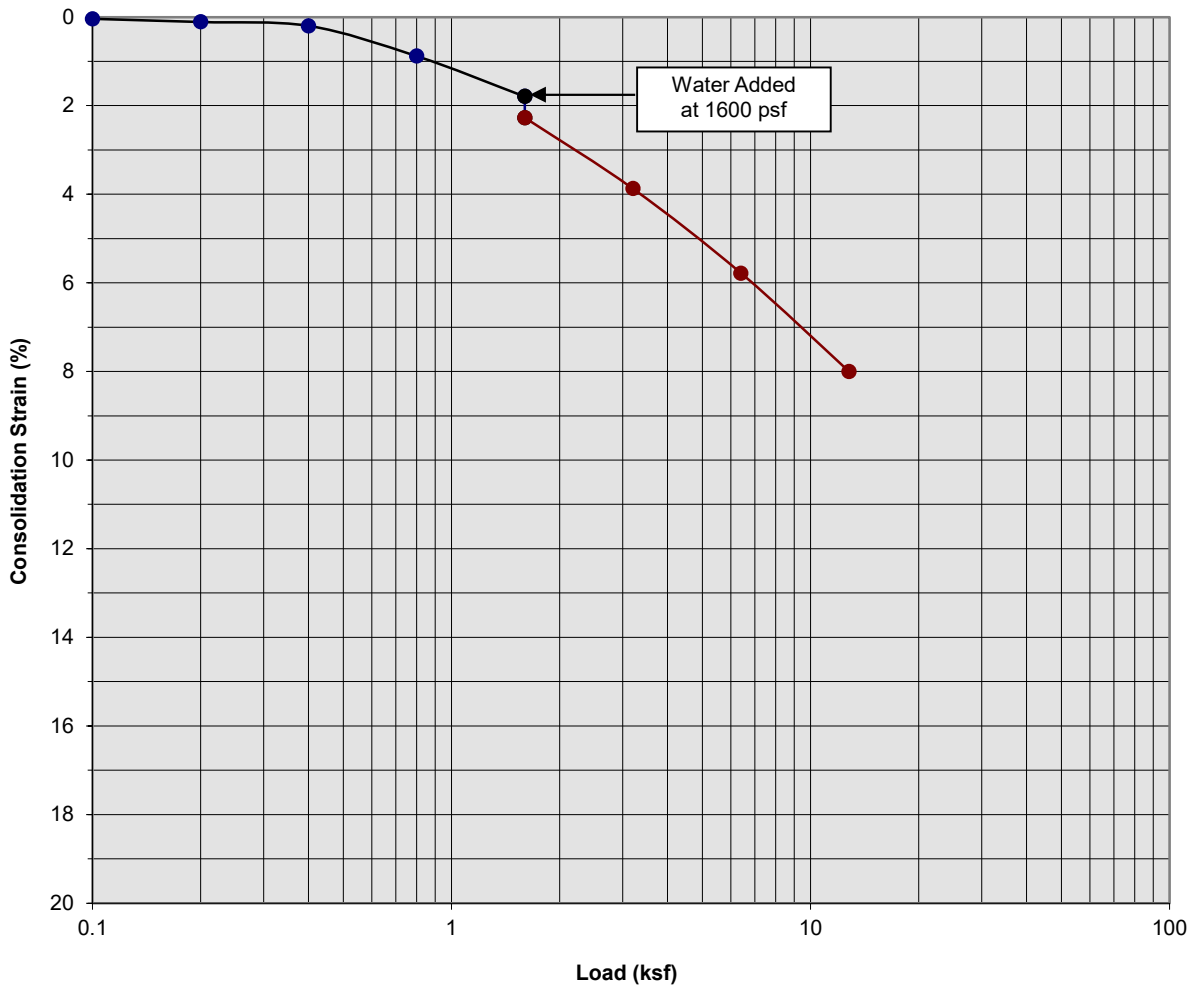
Boring Number:	B-14	Initial Moisture Content (%)	9
Sample Number:	---	Final Moisture Content (%)	16
Depth (ft)	7 to 8	Initial Dry Density (pcf)	104.5
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	112.8
Specimen Thickness (in)	1.0	Percent Collapse (%)	1.90

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 9

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Brown Silty fine to medium Sand

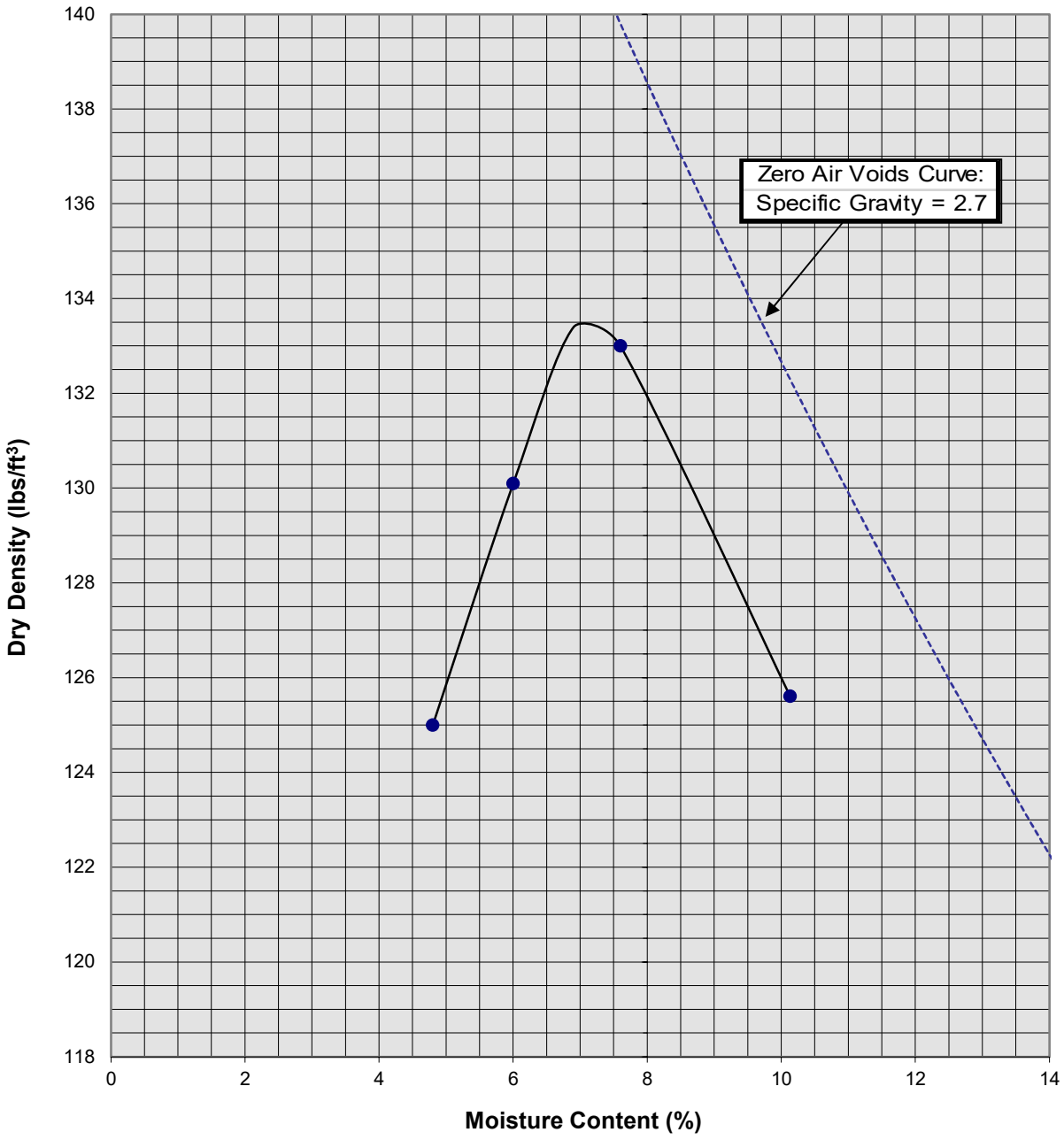
Boring Number:	B-14	Initial Moisture Content (%)	9
Sample Number:	---	Final Moisture Content (%)	15
Depth (ft)	9 to 10	Initial Dry Density (pcf)	111.5
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	120.8
Specimen Thickness (in)	1.0	Percent Collapse (%)	0.48

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-1

PLATE C- 10

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Moisture/Density Relationship
ASTM D-1557



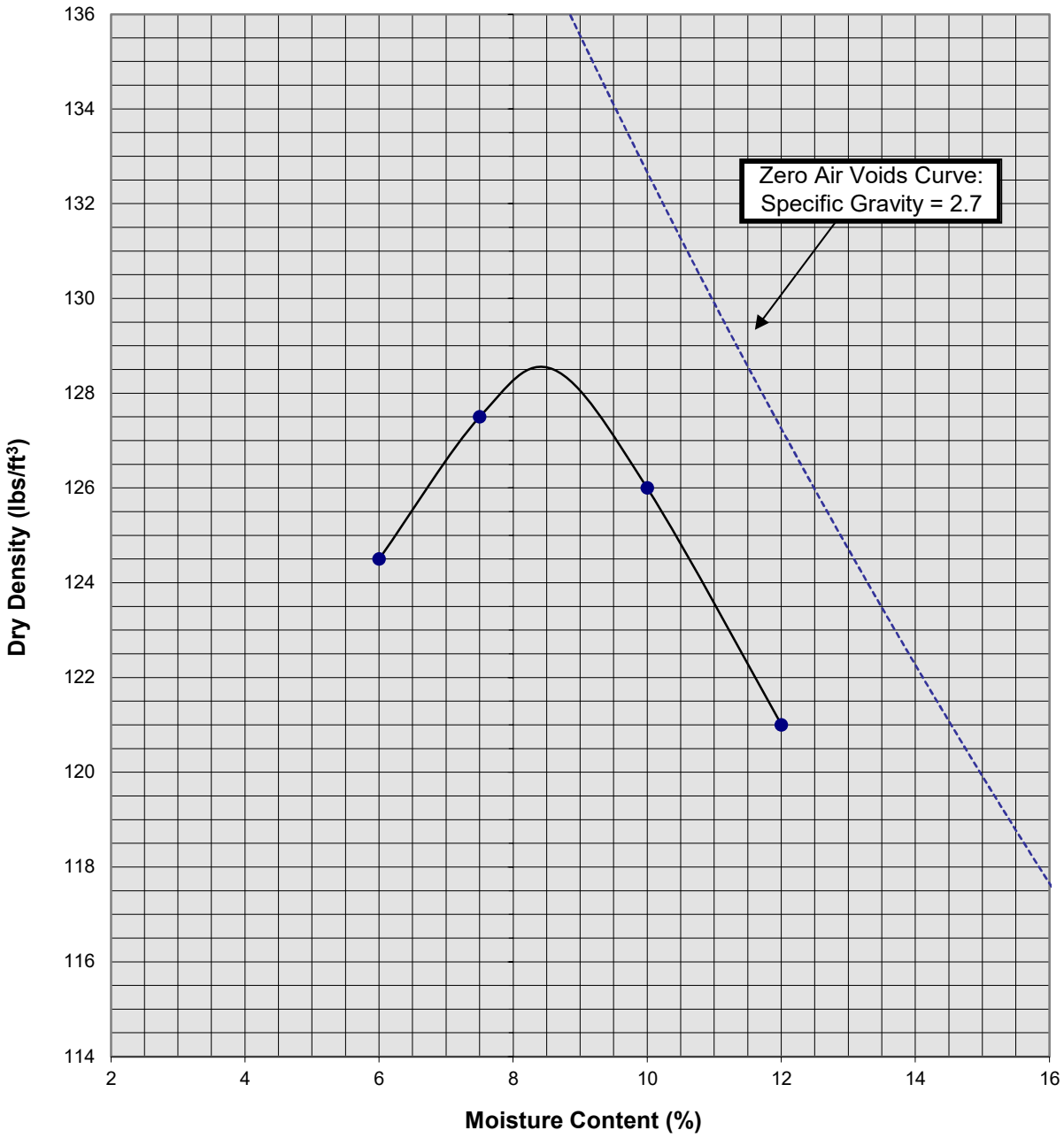
Soil ID Number	B-4 @ 0-5'
Optimum Moisture (%)	7
Maximum Dry Density (pcf)	133.5
Soil Classification	Brown Silty fine Sand, trace medium to coarse Sand, little fine Gravel

Proposed Warehouse Development
Fontana, California
Project No. 21G209-1

PLATE C-11

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Moisture/Density Relationship
ASTM D-1557



Soil ID Number	B-14 @ 0-5'
Optimum Moisture (%)	8.5
Maximum Dry Density (pcf)	128.5
Soil Classification	Dark Gray Silty fine to medium Sand

Proposed Warehouse Development
Fontana, California
Project No. 21G209-1

PLATE C-12

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

APPENDIX D

GRADING GUIDE SPECIFICATIONS

These grading guide specifications are intended to provide typical procedures for grading operations. They are intended to supplement the recommendations contained in the geotechnical investigation report for this project. Should the recommendations in the geotechnical investigation report conflict with the grading guide specifications, the more site specific recommendations in the geotechnical investigation report will govern.

General

- The Earthwork Contractor is responsible for the satisfactory completion of all earthwork in accordance with the plans and geotechnical reports, and in accordance with city, county, and applicable building codes.

- The Geotechnical Engineer is the representative of the Owner/Builder for the purpose of implementing the report recommendations and guidelines. These duties are not intended to relieve the Earthwork Contractor of any responsibility to perform in a workman-like manner, nor is the Geotechnical Engineer to direct the grading equipment or personnel employed by the Contractor.

- The Earthwork Contractor is required to notify the Geotechnical Engineer of the anticipated work and schedule so that testing and inspections can be provided. If necessary, work may be stopped and redone if personnel have not been scheduled in advance.

- The Earthwork Contractor is required to have suitable and sufficient equipment on the job-site to process, moisture condition, mix and compact the amount of fill being placed to the approved compaction. In addition, suitable support equipment should be available to conform with recommendations and guidelines in this report.

- Canyon cleanouts, overexcavation areas, processed ground to receive fill, key excavations, subdrains and benches should be observed by the Geotechnical Engineer prior to placement of any fill. It is the Earthwork Contractor's responsibility to notify the Geotechnical Engineer of areas that are ready for inspection.

- Excavation, filling, and subgrade preparation should be performed in a manner and sequence that will provide drainage at all times and proper control of erosion. Precipitation, springs, and seepage water encountered shall be pumped or drained to provide a suitable working surface. The Geotechnical Engineer must be informed of springs or water seepage encountered during grading or foundation construction for possible revision to the recommended construction procedures and/or installation of subdrains.

Site Preparation

- The Earthwork Contractor is responsible for all clearing, grubbing, stripping and site preparation for the project in accordance with the recommendations of the Geotechnical Engineer.

- If any materials or areas are encountered by the Earthwork Contractor which are suspected of having toxic or environmentally sensitive contamination, the Geotechnical Engineer and Owner/Builder should be notified immediately.

- Major vegetation should be stripped and disposed of off-site. This includes trees, brush, heavy grasses and any materials considered unsuitable by the Geotechnical Engineer.

- Underground structures such as basements, cesspools or septic disposal systems, mining shafts, tunnels, wells and pipelines should be removed under the inspection of the Geotechnical Engineer and recommendations provided by the Geotechnical Engineer and/or city, county or state agencies. If such structures are known or found, the Geotechnical Engineer should be notified as soon as possible so that recommendations can be formulated.

- Any topsoil, slopewash, colluvium, alluvium and rock materials which are considered unsuitable by the Geotechnical Engineer should be removed prior to fill placement.

- Remaining voids created during site clearing caused by removal of trees, foundations basements, irrigation facilities, etc., should be excavated and filled with compacted fill.

- Subsequent to clearing and removals, areas to receive fill should be scarified to a depth of 10 to 12 inches, moisture conditioned and compacted

- The moisture condition of the processed ground should be at or slightly above the optimum moisture content as determined by the Geotechnical Engineer. Depending upon field conditions, this may require air drying or watering together with mixing and/or discing.

Compacted Fills

- Soil materials imported to or excavated on the property may be utilized in the fill, provided each material has been determined to be suitable in the opinion of the Geotechnical Engineer. Unless otherwise approved by the Geotechnical Engineer, all fill materials shall be free of deleterious, organic, or frozen matter, shall contain no chemicals that may result in the material being classified as “contaminated,” and shall be very low to non-expansive with a maximum expansion index (EI) of 50. The top 12 inches of the compacted fill should have a maximum particle size of 3 inches, and all underlying compacted fill material a maximum 6-inch particle size, except as noted below.

- All soils should be evaluated and tested by the Geotechnical Engineer. Materials with high expansion potential, low strength, poor gradation or containing organic materials may require removal from the site or selective placement and/or mixing to the satisfaction of the Geotechnical Engineer.

- Rock fragments or rocks less than 6 inches in their largest dimensions, or as otherwise determined by the Geotechnical Engineer, may be used in compacted fill, provided the distribution and placement is satisfactory in the opinion of the Geotechnical Engineer.

- Rock fragments or rocks greater than 12 inches should be taken off-site or placed in accordance with recommendations and in areas designated as suitable by the Geotechnical Engineer. These materials should be placed in accordance with Plate D-8 of these Grading Guide Specifications and in accordance with the following recommendations:

    - Rocks 12 inches or more in diameter should be placed in rows at least 15 feet apart, 15 feet from the edge of the fill, and 10 feet or more below subgrade. Spaces should be left between each rock fragment to provide for placement and compaction of soil around the fragments.

    - Fill materials consisting of soil meeting the minimum moisture content requirements and free of oversize material should be placed between and over the rows of rock or

concrete. Ample water and compactive effort should be applied to the fill materials as they are placed in order that all of the voids between each of the fragments are filled and compacted to the specified density.

- Subsequent rows of rocks should be placed such that they are not directly above a row placed in the previous lift of fill. A minimum 5-foot offset between rows is recommended.

- To facilitate future trenching, oversized material should not be placed within the range of foundation excavations, future utilities or other underground construction unless specifically approved by the soil engineer and the developer/owner representative.

- Fill materials approved by the Geotechnical Engineer should be placed in areas previously prepared to receive fill and in evenly placed, near horizontal layers at about 6 to 8 inches in loose thickness, or as otherwise determined by the Geotechnical Engineer for the project.

- Each layer should be moisture conditioned to optimum moisture content, or slightly above, as directed by the Geotechnical Engineer. After proper mixing and/or drying, to evenly distribute the moisture, the layers should be compacted to at least 90 percent of the maximum dry density in compliance with ASTM D-1557-78 unless otherwise indicated.

- Density and moisture content testing should be performed by the Geotechnical Engineer at random intervals and locations as determined by the Geotechnical Engineer. These tests are intended as an aid to the Earthwork Contractor, so he can evaluate his workmanship, equipment effectiveness and site conditions. The Earthwork Contractor is responsible for compaction as required by the Geotechnical Report(s) and governmental agencies.

- Fill areas unused for a period of time may require moisture conditioning, processing and recompaction prior to the start of additional filling. The Earthwork Contractor should notify the Geotechnical Engineer of his intent so that an evaluation can be made.

- Fill placed on ground sloping at a 5-to-1 inclination (horizontal-to-vertical) or steeper should be benched into bedrock or other suitable materials, as directed by the Geotechnical Engineer. Typical details of benching are illustrated on Plates D-2, D-4, and D-5.

- Cut/fill transition lots should have the cut portion overexcavated to a depth of at least 3 feet and rebuilt with fill (see Plate D-1), as determined by the Geotechnical Engineer.

- All cut lots should be inspected by the Geotechnical Engineer for fracturing and other bedrock conditions. If necessary, the pads should be overexcavated to a depth of 3 feet and rebuilt with a uniform, more cohesive soil type to impede moisture penetration.

- Cut portions of pad areas above buttresses or stabilizations should be overexcavated to a depth of 3 feet and rebuilt with uniform, more cohesive compacted fill to impede moisture penetration.

- Non-structural fill adjacent to structural fill should typically be placed in unison to provide lateral support. Backfill along walls must be placed and compacted with care to ensure that excessive unbalanced lateral pressures do not develop. The type of fill material placed adjacent to below grade walls must be properly tested and approved by the Geotechnical Engineer with consideration of the lateral earth pressure used in the design.

Foundations

- The foundation influence zone is defined as extending one foot horizontally from the outside edge of a footing, and proceeding downward at a ½ horizontal to 1 vertical (0.5:1) inclination.

- Where overexcavation beneath a footing subgrade is necessary, it should be conducted so as to encompass the entire foundation influence zone, as described above.

- Compacted fill adjacent to exterior footings should extend at least 12 inches above foundation bearing grade. Compacted fill within the interior of structures should extend to the floor subgrade elevation.

Fill Slopes

- The placement and compaction of fill described above applies to all fill slopes. Slope compaction should be accomplished by overfilling the slope, adequately compacting the fill in even layers, including the overfilled zone and cutting the slope back to expose the compacted core

- Slope compaction may also be achieved by backrolling the slope adequately every 2 to 4 vertical feet during the filling process as well as requiring the earth moving and compaction equipment to work close to the top of the slope. Upon completion of slope construction, the slope face should be compacted with a sheepsfoot connected to a sideboom and then grid rolled. This method of slope compaction should only be used if approved by the Geotechnical Engineer.

- Sandy soils lacking in adequate cohesion may be unstable for a finished slope condition and therefore should not be placed within 15 horizontal feet of the slope face.

- All fill slopes should be keyed into bedrock or other suitable material. Fill keys should be at least 15 feet wide and inclined at 2 percent into the slope. For slopes higher than 30 feet, the fill key width should be equal to one-half the height of the slope (see Plate D-5).

- All fill keys should be cleared of loose slough material prior to geotechnical inspection and should be approved by the Geotechnical Engineer and governmental agencies prior to filling.

- The cut portion of fill over cut slopes should be made first and inspected by the Geotechnical Engineer for possible stabilization requirements. The fill portion should be adequately keyed through all surficial soils and into bedrock or suitable material. Soils should be removed from the transition zone between the cut and fill portions (see Plate D-2).

Cut Slopes

- All cut slopes should be inspected by the Geotechnical Engineer to determine the need for stabilization. The Earthwork Contractor should notify the Geotechnical Engineer when slope cutting is in progress at intervals of 10 vertical feet. Failure to notify may result in a delay in recommendations.

- Cut slopes exposing loose, cohesionless sands should be reported to the Geotechnical Engineer for possible stabilization recommendations.

- All stabilization excavations should be cleared of loose slough material prior to geotechnical inspection. Stakes should be provided by the Civil Engineer to verify the location and dimensions of the key. A typical stabilization fill detail is shown on Plate D-5.

- Stabilization key excavations should be provided with subdrains. Typical subdrain details are shown on Plates D-6.

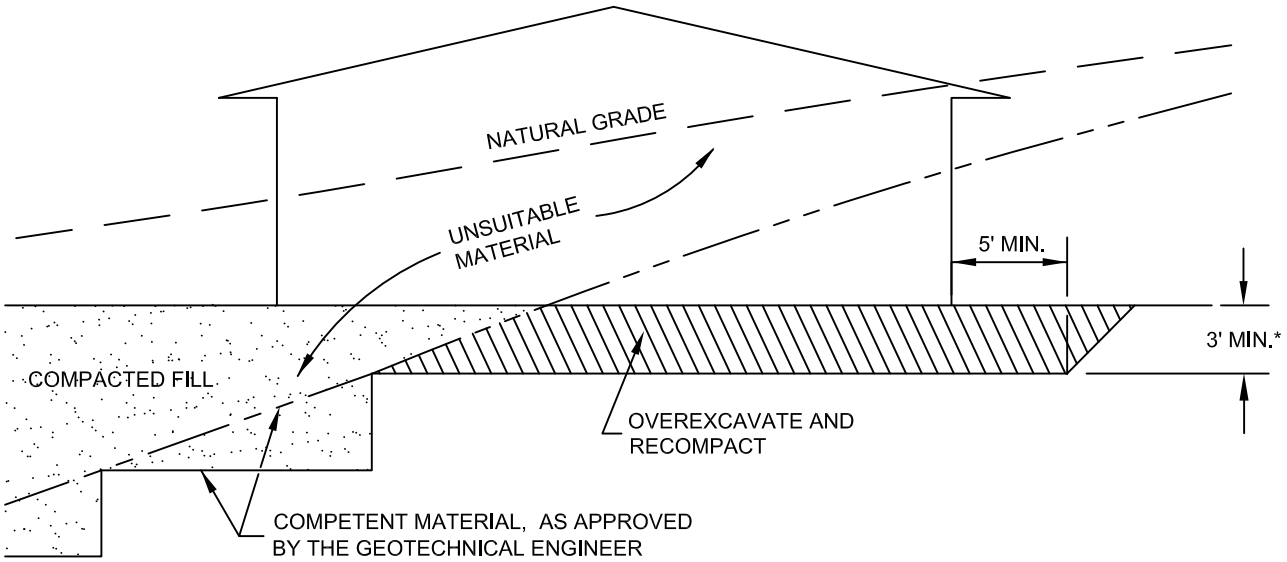
Subdrains

- Subdrains may be required in canyons and swales where fill placement is proposed. Typical subdrain details for canyons are shown on Plate D-3. Subdrains should be installed after approval of removals and before filling, as determined by the Soils Engineer.

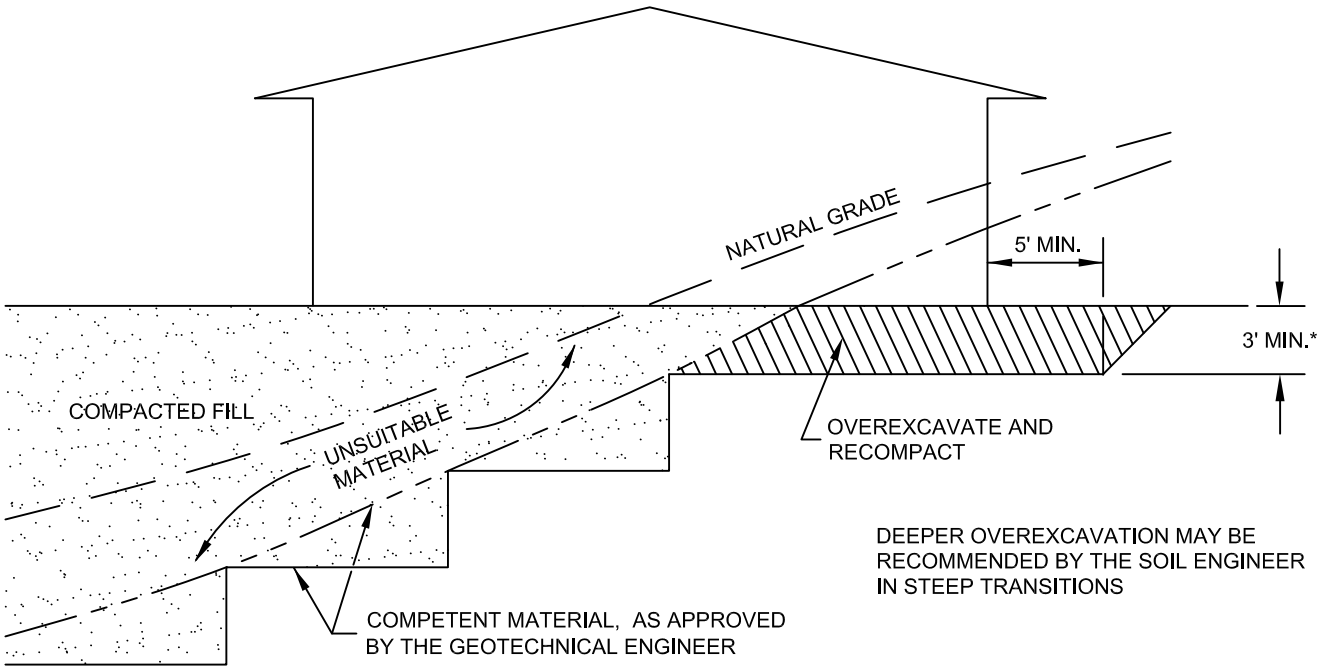
- Plastic pipe may be used for subdrains provided it is Schedule 40 or SDR 35 or equivalent. Pipe should be protected against breakage, typically by placement in a square-cut (backhoe) trench or as recommended by the manufacturer.

- Filter material for subdrains should conform to CALTRANS Specification 68-1.025 or as approved by the Geotechnical Engineer for the specific site conditions. Clean ¾-inch crushed rock may be used provided it is wrapped in an acceptable filter cloth and approved by the Geotechnical Engineer. Pipe diameters should be 6 inches for runs up to 500 feet and 8 inches for the downstream continuations of longer runs. Four-inch diameter pipe may be used in buttress and stabilization fills.

CUT LOT



CUT/FILL LOT (TRANSITION)



*SEE TEXT OF REPORT FOR SPECIFIC RECOMMENDATION. ACTUAL DEPTH OF OVEREXCAVATION MAY BE GREATER.

TRANSITION LOT DETAIL

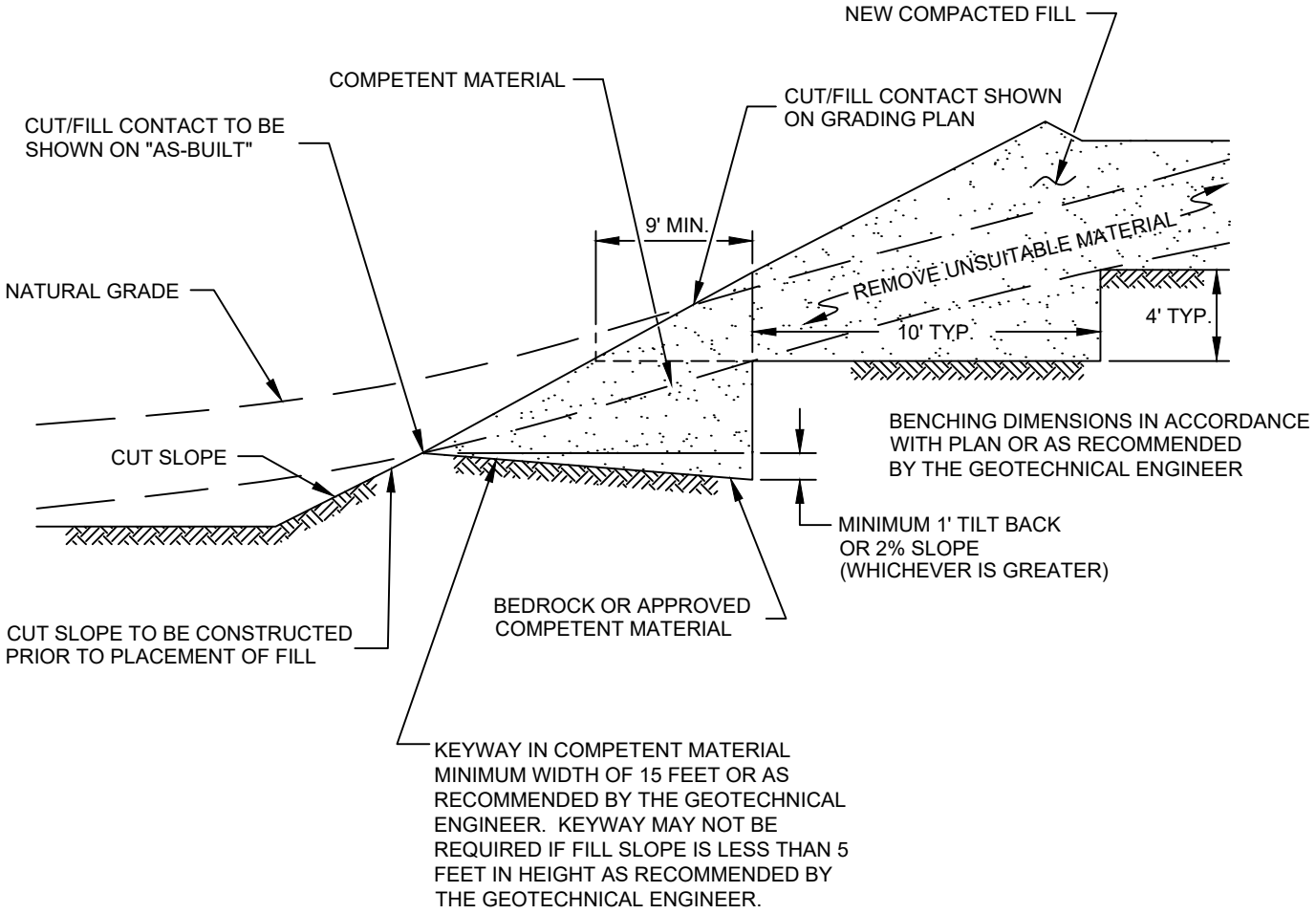
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-1

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



FILL ABOVE CUT SLOPE DETAIL

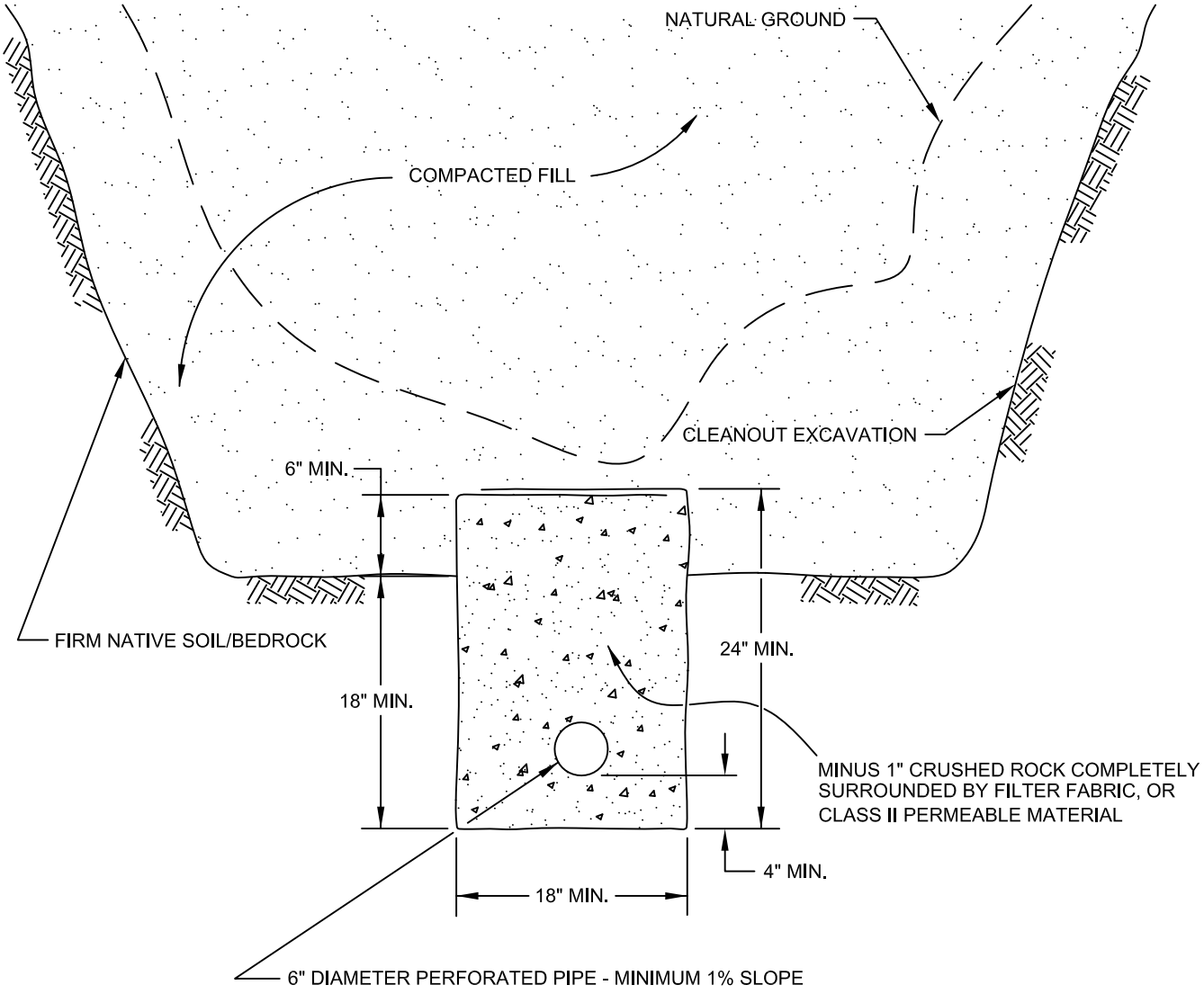
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-2

SoCalGeo
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PIPE MATERIAL	DEPTH OF FILL OVER SUBDRAIN
ADS (CORRUGATED POLETHYLENE)	8
TRANSITE UNDERDRAIN	20
PVC OR ABS: SDR 35	35
SDR 21	100

SCHEMATIC ONLY
NOT TO SCALE

CANYON SUBDRAIN DETAIL

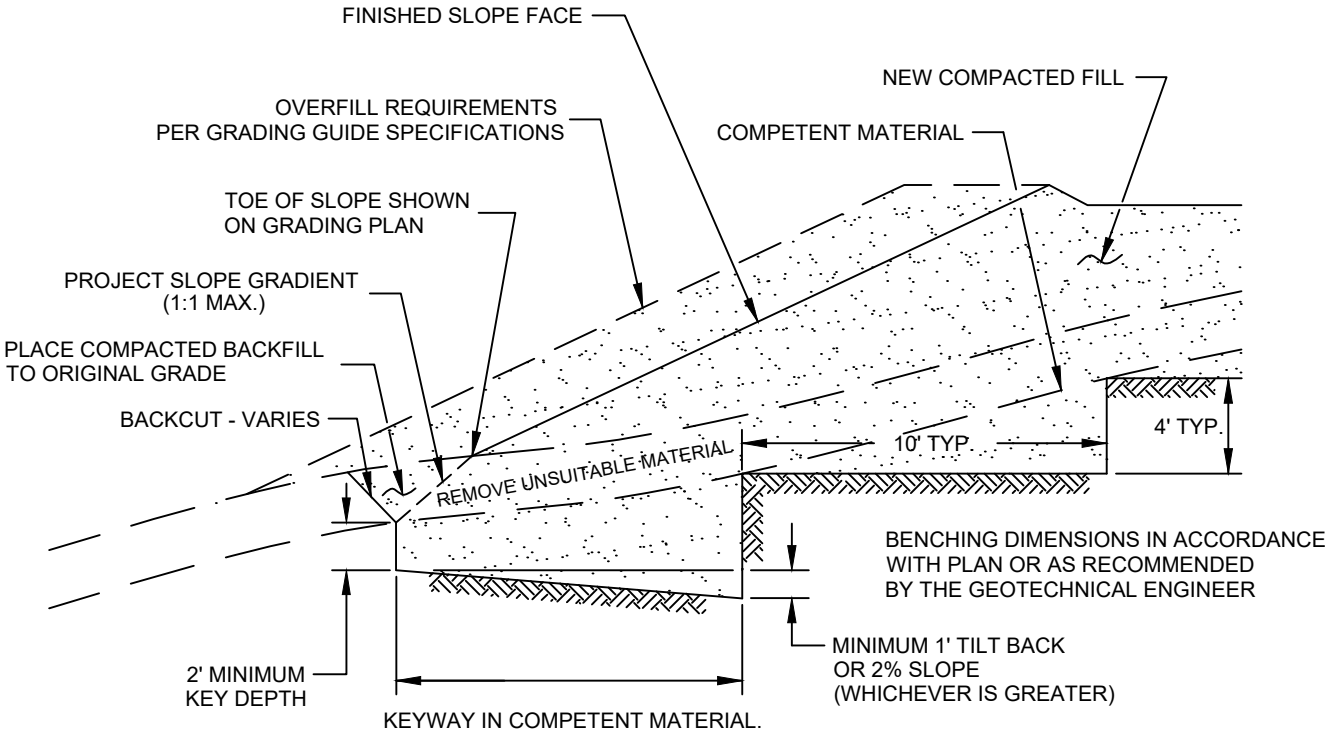
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-3

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



NOTE:
BENCHING SHALL BE REQUIRED WHEN NATURAL SLOPES ARE EQUAL TO OR STEEPER THAN 5:1 OR WHEN RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

FILL ABOVE NATURAL SLOPE DETAIL

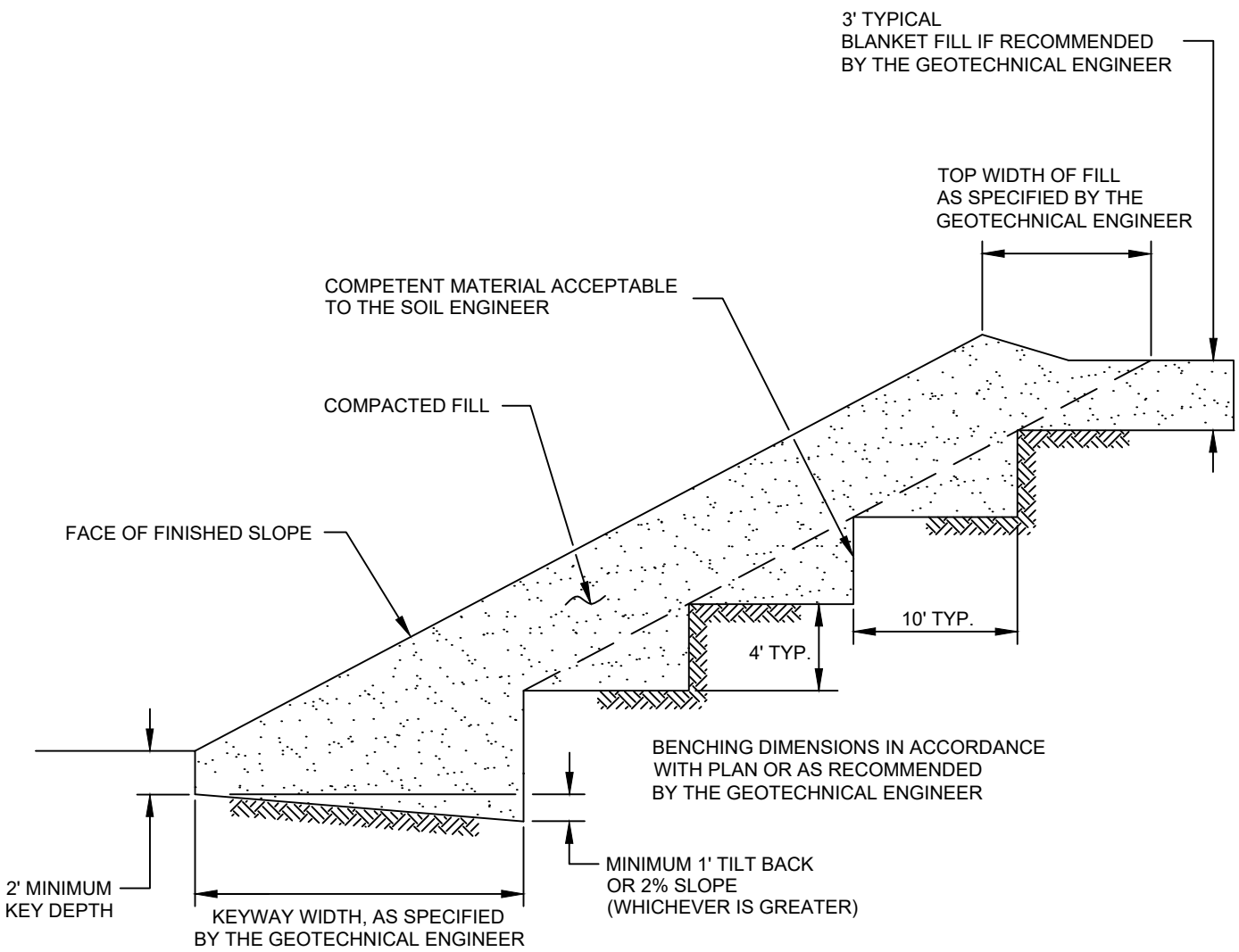
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-4

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



STABILIZATION FILL DETAIL

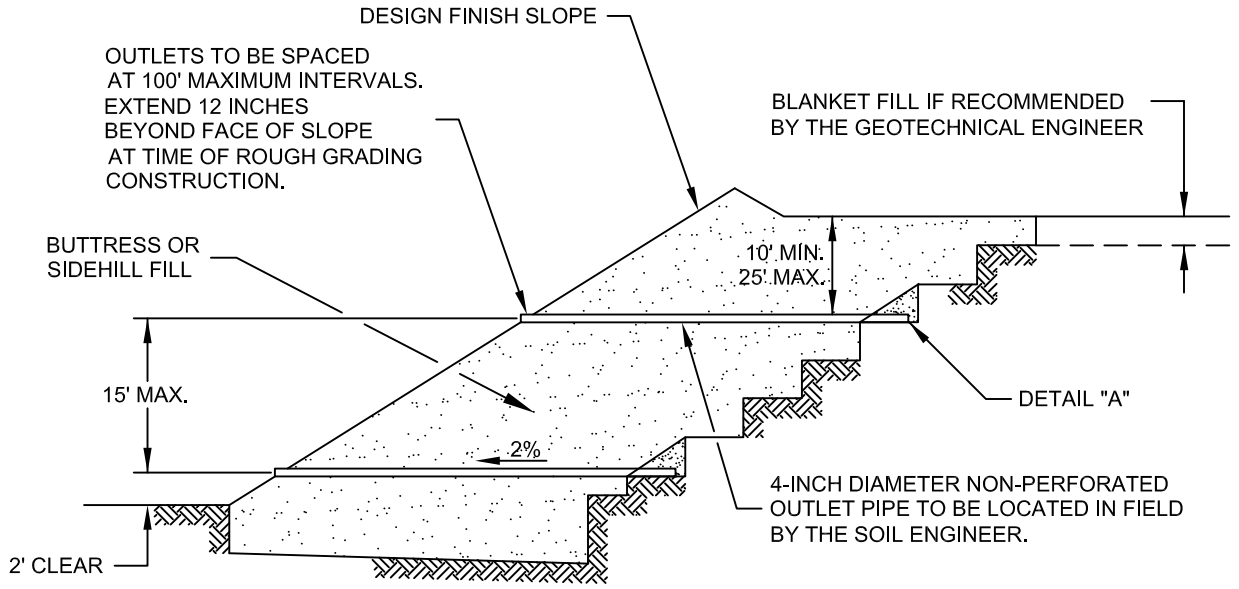
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-5

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



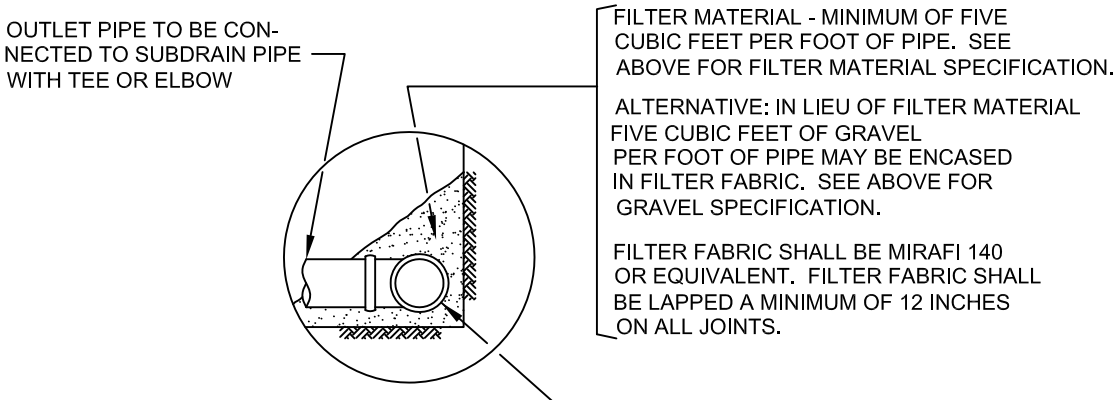
"FILTER MATERIAL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT: (CONFORMS TO EMA STD. PLAN 323)

SIEVE SIZE	PERCENTAGE PASSING
1"	100
3/4"	90-100
3/8"	40-100
NO. 4	25-40
NO. 8	18-33
NO. 30	5-15
NO. 50	0-7
NO. 200	0-3

"GRAVEL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT:

SIEVE SIZE	MAXIMUM PERCENTAGE PASSING
1 1/2"	100
NO. 4	50
NO. 200	8

SAND EQUIVALENT = MINIMUM OF 50



DETAIL "A"

NOTES:
1. TRENCH FOR OUTLET PIPES TO BE BACKFILLED WITH ON-SITE SOIL.

SLOPE FILL SUBDRAINS

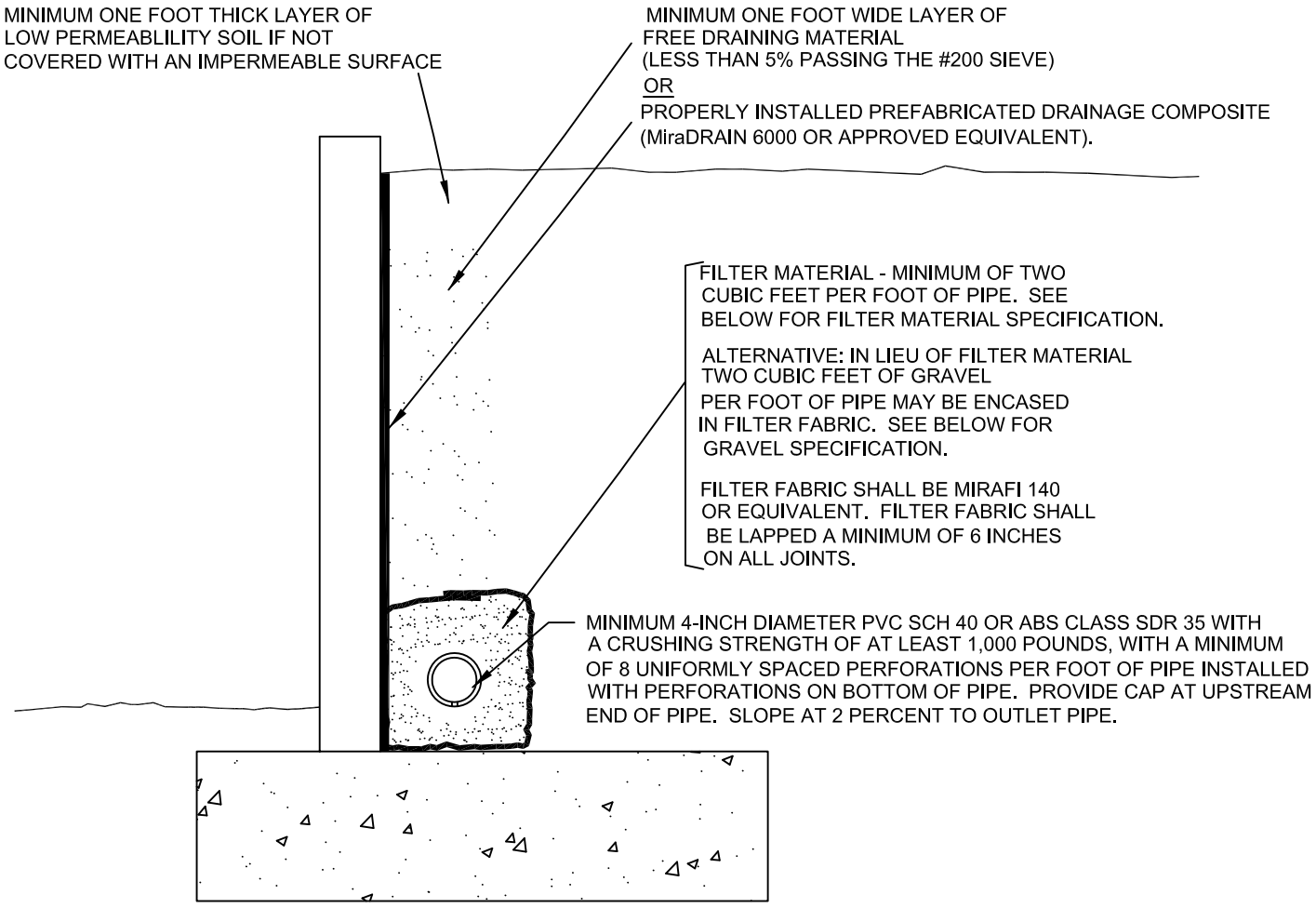
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-6

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



"FILTER MATERIAL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT: (CONFORMS TO EMA STD. PLAN 323)

SIEVE SIZE	PERCENTAGE PASSING
1"	100
3/4"	90-100
3/8"	40-100
NO. 4	25-40
NO. 8	18-33
NO. 30	5-15
NO. 50	0-7
NO. 200	0-3

"GRAVEL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT:

SIEVE SIZE	MAXIMUM PERCENTAGE PASSING
1 1/2"	100
NO. 4	50
NO. 200	8

SAND EQUIVALENT = MINIMUM OF 50

RETAINING WALL BACKDRAINS

GRADING GUIDE SPECIFICATIONS

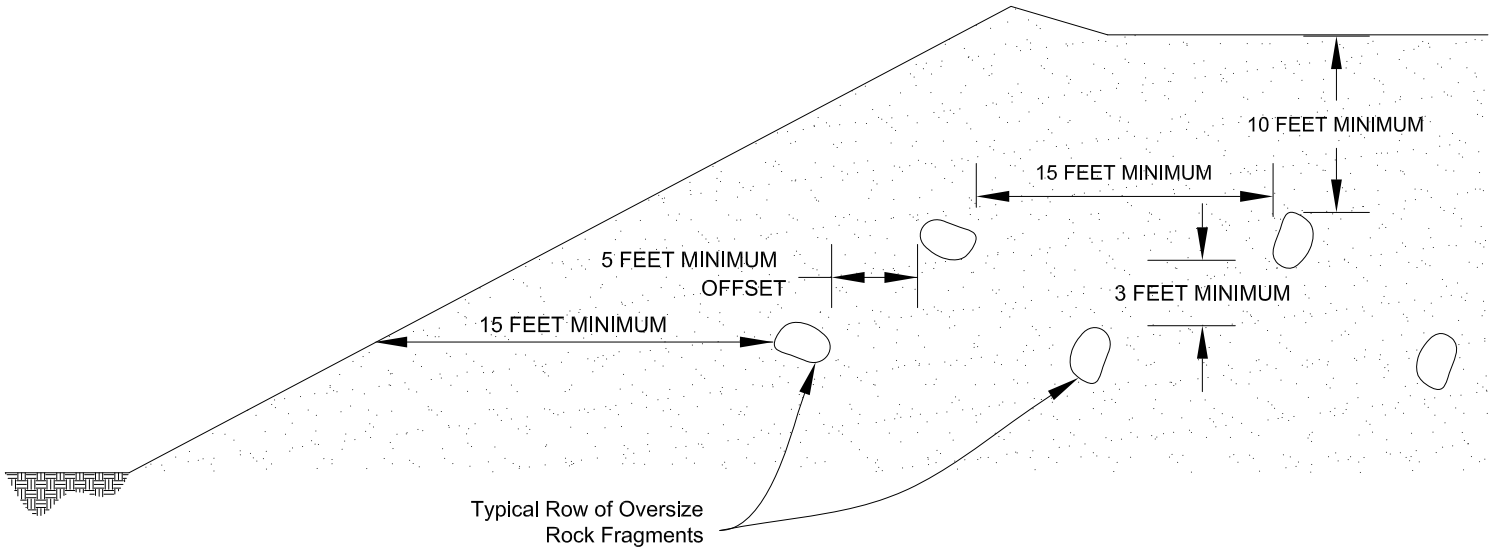
NOT TO SCALE

DRAWN: JAS
CHKD: GKM

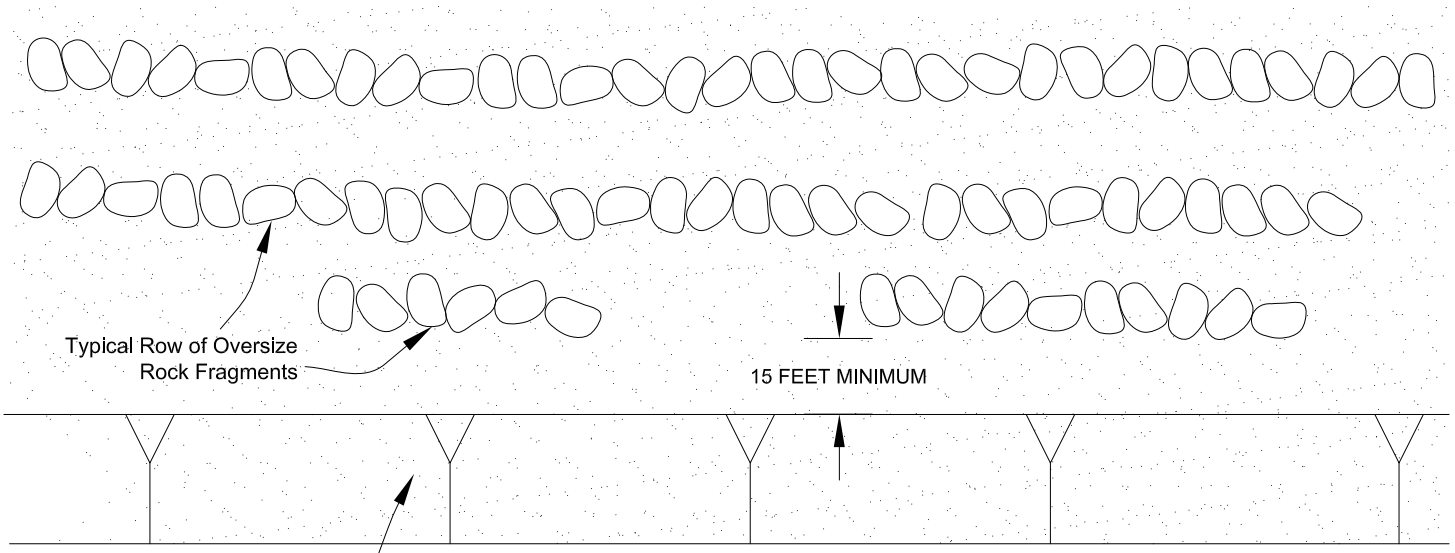
PLATE D-7

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL



Section View



Plan View

PLACEMENT OF OVERSIZED MATERIAL

GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: PM
CHKD: GKM

PLATE D-8

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL

APPENDIX E

OSHPD

Latitude, Longitude: 34.09632027, -117.53208294



Date	10/11/2021, 4:08:08 PM
Design Code Reference Document	ASCE7-16
Risk Category	III
Site Class	D - Stiff Soil

Type	Value	Description
S_S	1.762	MCE_R ground motion. (for 0.2 second period)
S_1	0.612	MCE_R ground motion. (for 1.0s period)
S_{MS}	1.762	Site-modified spectral acceleration value
S_{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S_{DS}	1.175	Numeric seismic design value at 0.2 second SA
S_{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F_a	1	Site amplification factor at 0.2 second
F_v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.75	MCE_G peak ground acceleration
F_{PGA}	1.1	Site amplification factor at PGA
PGA_M	0.825	Site modified peak ground acceleration
T_L	12	Long-period transition period in seconds
SsRT	1.762	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	1.885	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.89	Factored deterministic acceleration value. (0.2 second)
S1RT	0.66	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.724	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.612	Factored deterministic acceleration value. (1.0 second)
PGAd	0.768	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.935	Mapped value of the risk coefficient at short periods
C_{R1}	0.911	Mapped value of the risk coefficient at a period of 1 s

SOURCE: SEAOC/OSHPD Seismic Design Maps Tool
<https://seismicmaps.org/>

SEISMIC DESIGN PARAMETERS - 2019 CBC

PROPOSED WAREHOUSE DEVELOPMENT

RANCHO CUCAMONGA, CALIFORNIA

DRAWN: MD
CHKD: GKM

SCG PROJECT
21G209-1

PLATE E-1

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING

Preliminary
Water Quality Management Plan
(PWQMP)

For:

Arrow Route and Juneberry Drive
Rancho Cucamonga, CA 91739
WQMPXXXX-XXXXX

APN: 0229-121-33, -34, -35 & 0229-131-19

Prepared for:
BTC III Arrow Route CC LP
4675 MacArthur Court, Suite 625
Newport Beach, CA 92660
Phone: (949) 892-4900
Contact: Chris Sanford

Prepared by:
Thienes Engineering, Inc.
14349 Firestone Boulevard
La Mirada, CA 90638
Phone: (714) 521-4811
Contact: Luis Prado (luisp@thieneseng.com)
Job No. 4021

Approval Date: _____
Implementation Date: _____

1st Submittal: May 18, 2023
2nd Submittal: _____
3rd Submittal: _____

Project Owner's Certification

This Water Quality Management Plan (WQMP) has been prepared for ***BTC III Arrow Route CC LP*** by ***Thienes Engineering, Inc***. The WQMP is intended to comply with the requirements of the ***City of Rancho Cucamonga*** and the NPDES Areawide Stormwater Program requiring the preparation of a WQMP.

The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with the San Bernardino County's Municipal Storm Water Management Program and the intent of the NPDES Permit for San Bernardino County and the incorporated cities of San Bernardino County within the Santa Ana Region. Once the undersigned transfers its interest in the property, its successors in interest and the city/county shall be notified of the transfer. The new owner will be informed of its responsibility under this WQMP. A copy of the approved WQMP shall be available on the subject site in perpetuity.

"I certify under a penalty of law that the provisions (implementation, operation, maintenance, and fund) of the WQMP have been accepted and that the plan will be transferred to future successors."

Project Data			
Permit/Application Number(s):	WQMPXXXX-XXXXX	**Grading Permit Number(s):**	PGRXXXX-XXXXX
Tract/Parcel Map Number(s):		**Building Permit Number(s):**	
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			APN: 0229-121-33, -34, -35 & 0229-131-19

Owner's Signature			
Owner Name: BTC III Arrow Route CC LP			
Title	Chris Sanford, Senior Vice President		
Company	BTC III Arrow Route CC LP		
Address	4675 MacArthur Court, Suite 625, Newport Beach, CA 92660		
Email	chris.sanford@aresmgmt.com		
Telephone #	(949) 892-4900		
Signature		**Date**	

Preparer's Certification

Project Data			
Permit/Application Number(s):	WQMPXXXX-XXXXX	**Grading Permit Number(s):**	PGRXXXX-XXXXX
Tract/Parcel Map Number(s):		**Building Permit Number(s):**	
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			APN: 0229-121-33, -34, -35 & 0229-131-19

"The selection, sizing and design of stormwater treatment and other stormwater quality and quantity control measures in this plan were prepared under my oversight and meet the requirements of Regional Water Quality Control Board Order No. R8-2010-0036."

Engineer: Reinhard Stenzel		**PE Stamp Below:**
Title	Director of Engineering	
Company	Thienes Engineering, Inc.	
Address	14349 Firestone Boulevard, La Mirada, CA 90638	
Email	reinhard@thieneseng.com	
Telephone #	(714) 521-4811	
Signature		
Date	5/18/2023	

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Attachment B: BMP Design Calculations & Supporting Documentation
Attachment C: Site and Drainage Plan
Attachment D: Memorandum of Agreement of Storm Water Quality Management Plan
Attachment E: Educational Materials
Attachment F: Infiltration Report
Attachment G: BMP Maintenance Material
Attachment H: Conditions of Approval
Attachment I: Class V Injection Well Registration
Attachment J: Activity Restrictions
Attachment K: Subsurface Investigation Report (excerpt)

Section 1 Discretionary Permit(s)

Form 1-1 Project Information

Project Name	Arrow Route and Juneberry Drive				
Project Owner Contact Name:	Chris Sanford				
Mailing Address:	4675 MacArthur Court, Suite 625 Newport Beach, CA 92660	**E-mail Address:**	chris.sanford@aresmgmt.com	**Telephone:**	(949) 892-4900
Permit/Application Number(s):	PGRXXXX-XXXXX WQMPXXXX-XXXXX		**Tract/Parcel Map Number(s):**		
Additional Information/ Comments:	n/a				
Description of Project:	The project site encompasses approximately 95.59 acres, where 80.65 acres includes onsite improvements, and 14.94 acres includes new public roads or small offsite improvements. Proposed improvements to the onsite include construction of five warehouse type buildings. Truck yards are located on the westerly sides of Buildings 1 and 3, easterly side of Building 2, westerly and easterly sides of Building 4 and northerly and southerly sides of Building 5. The remainder of the onsite will be paved drive aisles, vehicle parking, and landscaping along the site's perimeter and adjacent to the buildings. Proposed improvements to the offsite include the construction of new public streets. Two public storm drain systems will be proposed to collect onsite and offsite runoff. The westerly public storm drain will discharge offsite at the southwest corner of the site while the easterly public storm drain will discharge offsite at the southeast corner of the site. The westerly public storm drain will collect onsite runoff from Buildings 1-4, and offsite runoff from the new public streets located west of Buildings 1 and 4, north of Building 4 (between Buildings 1-3 and Building 4), from a portion of the new public street south of Building 4 and from a portion of Yellow Wood Road. The easterly public storm drain will collect onsite runoff from Building 5 and offsite runoff from the new public streets located west of Building 4 (a portion of Yellow Wood Road), south of Buildings 4 and 5 and from the new public streets located north and east of Building 5. Runoff from Buildings 1-3 will drain to catch basins located in the truck yards and vehicle parking areas. Runoff will then be conveyed southerly via three private storm drain systems and connect to the proposed public storm drain located in the new public street between Buildings 1-3 and Building 4. The public storm drain will convey runoff westerly, then southerly towards the southwest corner of the project site where runoff will outlet via a proposed headwall and continue draining southerly across the railroad tracks via existing CMP pipes. Runoff from Building 4 will drain to catch basins located in the truck yards and in the vehicle parking areas. Runoff will then be conveyed towards the southwest corner of the site via a private storm drain system and connect to the proposed public storm drain located in the new public street that's west of Building 4. Runoff from Building 5 will drain to catch basins located in the truck yards and in the vehicle parking areas. Runoff will then be conveyed towards the southeast corner of the site via a private storm drain system and connect to the proposed public storm drain located in the new public street that's south of Building 5. Runoff will then connect to an existing storm drain located south of the existing railroad tracks. Per the Subsurface Investigation Report prepared by Roux: Environmental Consulting and Management dated April 7, 2023, slag (an operational byproduct containing metals) was found in soils at the southwest portion of the site. Additionally, total petroleum hydrocarbon (TPH) and volatile organic compounds (VOCs) were detected at the southeast portion of the site. Under these conditions, infiltration dependent BMPs are not proposed at these locations. Refer to Attachment K for an excerpt of the Subsurface Investigation Report. Prior to discharging offsite, runoff from the site (with the exception of DA 5 DMA B) will be				

	directed to underground retention facilities for infiltration. The underground retention facility treating DA 4 DMA A was placed further north along the west side of the Building 4 to avoid the affected southwest area. The BMPs treating DA 5 DMA B will consist of solid underground CMPs (for detention) and proprietary biofiltration units. Drain inserts at each catch basin will serve as pretreatment. Approximately 3.19 acres of landscaping (and some driveways) along the perimeters of the project site will sheet flow offsite without being routed to the LID BMPs. However, although these areas are considered self-treating, they are included in the design capture volume (DCV) calculations. Lastly, the project site will utilize the maximum extent practicable (MEP) principle in order to treat disturbed Public Right-of-Way (ROW) impervious areas onsite. This area is approximately 14.94 acres and is included along with the onsite DCV.
Provide summary of Conceptual WQMP conditions (if previously submitted and approved). Attach complete copy.	Pending

Section 2 Project Description

2.1 Project Information

This section of the WQMP should provide the information listed below. The information provided for Conceptual/ Preliminary WQMP should give sufficient detail to identify the major proposed site design and LID BMPs and other anticipated water quality features that impact site planning. Final Project WQMP must specifically identify all BMP incorporated into the final site design and provide other detailed information as described herein.

The purpose of this information is to help determine the applicable development category, pollutants of concern, watershed description, and long term maintenance responsibilities for the project, and any applicable water quality credits. This information will be used in conjunction with the information in Section 3, Site Description, to establish the performance criteria and to select the LID BMP or other BMP for the project or other alternative programs that the project will participate in, which are described in Section 4.

Form 2.1-1 Description of Proposed Project

[1] Development Category (Select all that apply):

☒ Significant re-development involving the addition or replacement of 5,000 ft² or more of impervious surface on an already developed site	☐ New development involving the creation of 10,000 ft² or more of impervious surface collectively over entire site	☐ Automotive repair shops with standard industrial classification (SIC) codes 5013, 5014, 5541, 7532- 7534, 7536-7539	☐ Restaurants (with SIC code 5812) where the land area of development is 5,000 ft² or more
☐ Hillside developments of 5,000 ft² or more which are located on areas with known erosive soil conditions or where the natural slope is 25 percent or more	☐ Developments of 2,500 ft² of impervious surface or more adjacent to (within 200 ft) or discharging directly into environmentally sensitive areas or waterbodies listed on the CWA Section 303(d) list of impaired waters.	☒ Parking lots of 5,000 ft² or more exposed to storm water	☐ Retail gasoline outlets that are either 5,000 ft² or more, or have a projected average daily traffic of 100 or more vehicles per day

☐ Non-Priority / Non-Category Project

May require source control LID BMPs and other LIP requirements. Please consult with local jurisdiction on specific requirements.

[2] Project Area (ft²):	4,163,900 sq-ft 95.59 acres*	**[3] Number of Dwelling Units:**	n/a	**[4] SIC Code:**	4225

[5] Is Project going to be phased? ☐Yes ☒No

If yes, ensure that the WQMP evaluates each phase as a distinct DA, requiring LID BMPs to address runoff at time of completion.

[6] Does Project include roads? ☒Yes ☐No

If yes, ensure that applicable requirements for transportation projects are addressed (see Appendix A of TGD for WQMP)

* This includes approximately 14.94 acres of offsite improvements (new public streets).

2.2 Property Ownership/Management

Describe the ownership/management of all portions of the project and site. State whether any infrastructure will transfer to public agencies (City, County, Caltrans, etc.) after project completion. State if a homeowners or property owners association will be formed and be responsible for the long-term maintenance of project stormwater facilities. Describe any lot-level stormwater features that will be the responsibility of individual property owners.

Form 2.2-1 Property Ownership/Management

Describe property ownership/management responsible for long-term maintenance of WQMP stormwater facilities:

BTC III Arrow Route CC LP
4675 MacArthur Court, Suite 625
Newport Beach, CA 92660
Phone: (949) 892-4900
Contact: Chris Sanford

No infrastructure will be transferred to a public agency after project completion.
A property owner's association (POA) will be formed for long-term maintenance of project stormwater facilities.

2.3 Potential Stormwater Pollutants

Determine and describe expected stormwater pollutants of concern based on land uses and site activities (refer to Table 3-3 in the TGD for WQMP).

Form 2.3-1 Pollutants of Concern

Pollutant	Please check: E=Expected, N=Not Expected		Additional Information and Comments
Pathogens (Bacterial / Virus)	E ☒	N ☐	Including petroleum hydrocarbons. Bacterial indicators are routinely detected in pavement runoff.
Nutrients - Phosphorous	E ☒	N ☐	Expected pollutant if landscaping exists on-site.
Nutrients - Nitrogen	E ☒	N ☐	Expected pollutant if landscaping exists on-site.
Noxious Aquatic Plants	E ☒	N ☐	Expected pollutant if landscaping exists on-site.
Sediment / TSS / pH	E ☒	N ☐	Expected pollutant if landscaping exists on-site.
Metals	E ☒	N ☐	Expected pollutant if parking lots exist on-site.
Oil and Grease	E ☒	N ☐	Expected pollutant if parking lots exist on-site.
Trash & Debris	E ☒	N ☐	Expected pollutant if landscaping and parking lots exists on-site.
Pesticides / Herbicides	E ☒	N ☐	Expected pollutant if landscaping exists on-site.
Organic Compounds	E ☒	N ☐	Expected pollutant if landscaping exists on-site. Including solvents. Bacterial indicators are routinely detected in pavement runoff.
Oxygen Demanding Compounds	E ☐	N ☐	Expected pollutant if landscaping exists on-site.
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	

The expected POCs for the project site are ***Pathogens, Nutrients, and Metals***.

2.4 Water Quality Credits

A water quality credit program is applicable for certain types of development projects if it is not feasible to meet the requirements for on-site LID. Proponents for eligible projects, as described below, can apply for water quality credits that would reduce project obligations for selecting and sizing other treatment BMP or participating in other alternative compliance programs. Refer to Section 6.2 in the TGD for WQMP to determine if water quality credits are applicable for the project.

Form 2.4-1 Water Quality Credits

[1] **Project Types that Qualify for Water Quality Credits:** *Select all that apply*			
☐ Redevelopment projects that reduce the overall impervious footprint of the project site. [Credit = % impervious reduced]	Higher density development projects ☐ Vertical density [20%] ☐ 7 units/ acre [5%]	☐ Mixed use development, (combination of residential, commercial, industrial, office, institutional, or other land uses which incorporate design principles that demonstrate environmental benefits not realized through single use projects) [20%]	☐ Brownfield redevelopment (redevelop real property complicated by presence or potential of hazardous contaminants) [25%]
☐ Redevelopment projects in established historic district, historic preservation area, or similar significant core city center areas [10%]	☐ Transit-oriented developments (mixed use residential or commercial area designed to maximize access to public transportation) [20%]	☐ In-fill projects (conversion of empty lots & other underused spaces < 5 acres, substantially surrounded by urban land uses, into more beneficially used spaces, such as residential or commercial areas) [10%]	☐ Live-Work developments (variety of developments designed to support residential and vocational needs) [20%]
[2] **Total Credit %:** n/a *(Total all credit percentages up to a maximum allowable credit of 50 percent)*			
Description of Water Quality Credit Eligibility (if applicable)	n/a		

The proposed project will ***not*** utilize any water quality credits.

Section 3 Site and Watershed Description

Describe the project site conditions that will facilitate the selection of BMP through an analysis of the physical conditions and limitations of the site and its receiving waters. Identify distinct drainage areas (DA) that collect flow from a portion of the site and describe how runoff from each DA (and sub-watershed DMAs) is conveyed to the site outlet(s). Refer to Section 3.2 in the TGD for WQMP. Complete form 3.2 for each DA on the project site.

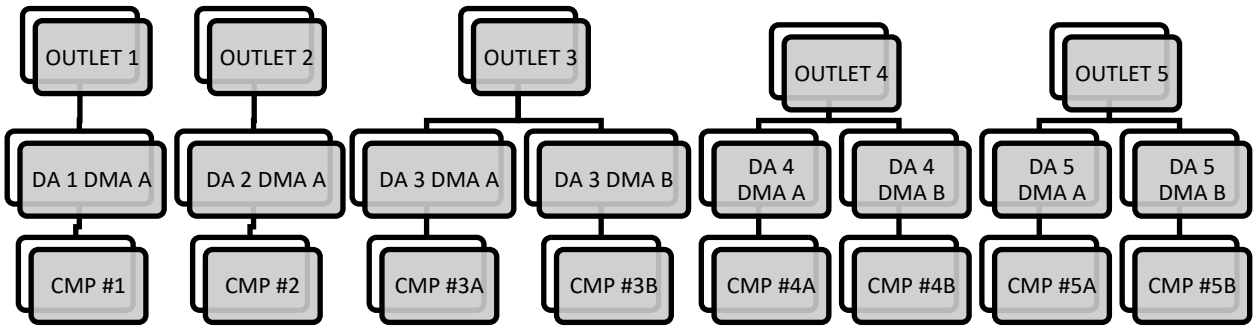
Form 3-1 Site Location and Hydrologic Features

Site coordinates *Take GPS measurement at approximate center of site*	**Latitude:** 34.095065	**Longitude:** -117.53340	**Thomas Bros Map page:** Page 603

[1] San Bernardino County climatic region: ☒Valley ☐Mountain ☐Desert

[2] Does the site have more than one drainage area (DA): ☒Yes ☐No

If no, proceed to Form 3-2. If yes, then use this form to show a conceptual schematic describing DMAs and hydrologic feature connecting DMAs to the site outlet(s). An example is provided below that can be modified for proposed project or a drawing clearly showing DMA and flow routing may be attached.



Conveyance	*Briefly describe on-site drainage features to convey runoff that is not retained within a DMA*
DA 1 DMA A flows to Outlet 1	Prior to runoff discharging to the proposed onsite storm drain, the low flows from DA 1 DMA A will be directed to an underground retention system for infiltration (CMP #1).
DA 2 DMA A flows to Outlet 2	Prior to runoff discharging to the proposed onsite storm drain, the low flows from DA 2 DMA A will be directed to an underground retention system for infiltration (CMP #2).
DA 3 DMA A flows to Outlet 3	Prior to runoff discharging to the proposed onsite storm drain, the low flows from DA 3 DMA A will be directed to an underground retention system for infiltration (CMP #3A).
DA 3 DMA B flows to Outlet 3	Prior to runoff discharging to the proposed onsite storm drain, the low flows from DA 3 DMA B will be directed to an underground retention system for infiltration (CMP #3B).
DA 4 DMA A flows to Outlet 4	Prior to runoff discharging to the proposed onsite storm drain, the low flows from DA 4 DMA A will be directed to an underground retention system for infiltration (CMP #4A). DA 4 DMA A includes ROW improvements from the new public streets.
DA 4 DMA B flows to Outlet 4	Prior to runoff discharging to the proposed onsite storm drain, the low flows from DA 4 DMA B will be directed to an underground retention system for infiltration (CMP #4B).
DA 5 DMA A flows to Outlet 5	Prior to runoff discharging to the proposed onsite storm drain, the low flows from DA 5 DMA A will be directed to an underground retention system for infiltration (CMP #5A). DA 5 DMA A includes ROW improvements from the new public streets.

DA 5 DMA B flows to Outlet 5	Prior to runoff discharging to the proposed onsite storm drain, the low flows from DA 5 DMA B will be directed to an underground detention system (CMP #5B) and proprietary biofiltration system.

Form 3-2 Existing Hydrologic Characteristics for Drainage Area (DA)

For each drainage area's sub-watershed DMA, provide the following characteristics	Hydrology Nodes (100-102)	Hydrology Nodes (200-204)	Hydrology Nodes (210-212)	Hydrology Nodes (220-226)	Hydrology Nodes (300-303)	Hydrology Nodes (310-314)
[1] **DMA drainage area (ft^2)**	512,701 (11.77 ac)	383,764 (8.81 ac)	835,481 (19.18 ac)	420,354 (9.65 ac)	1,219,680 (28.00 ac)	1,441,836 (33.10 ac)
[2] **Existing site impervious area (ft^2)**	465,192	335,093	567,348	335,091	293,192	186,785
[3] **Antecedent moisture condition** *For desert areas, use http://www.sbcounty.gov/dpw/floodcontrol/pdf/20100412_map.pdf*	AMC II	AMC II	AMC II	AMC II	AMC II	AMC II
[4] **Hydrologic soil group** *Refer to Watershed Mapping Tool – http://sbcounty.permitrack.com/WAP*	HSG A	HSG A	HSG A	HSG A	HSG A	HSG A
[5] **Longest flowpath length (ft)**	1,505	2,629	1,616	1,662	3,314	2,325
[6] **Longest flowpath slope (ft/ft)**	0.0051	0.0131	0.0111	0.0105	0.0110	0.0106
[7] **Current land cover type(s)** *Select from Fig C-3 of Hydrology Manual*	Commercial	Commercial	Commercial	Commercial	Commercial	Commercial
[8] **Pre-developed pervious area condition:** *Based on the extent of wet season vegetated cover good >75%; Fair 50-75%; Poor <50% See Attachment A for photos of site to support rating*	Poor	Poor	Poor	Poor	Poor	Poor

The drainage areas above include an additional 14.92 acres of offsite run-on.

Form 3-3 Watershed Description

Receiving Waters *Refer to Watershed Mapping Tool - http://sbcounty.permitrack.com/WAP* *See 'Drainage Facilities" link at this website*	Day Creek Cucamonga Creek, Reach 1 Mill Creek (Prado Area) Chino Creek, Reach 1A Santa Ana River, Reach 3 Santa Ana River, Reach 2 Santa Ana River, Reach 1 Pacific Ocean
Applicable TMDLs *Refer to Local Implementation Plan*	Day Creek: None Cucamonga Creek, Reach 1: Indicator Bacteria Mill Creek (Prado Area): Indicator Bacteria Chino Creek, Reach 1A: Indicator Bacteria Santa Ana River, Reach 3: Indicator Bacteria Santa Ana River, Reach 2: None Santa Ana River, Reach 1: None Pacific Ocean: None
303(d) listed impairments *Refer to Local Implementation Plan and Watershed Mapping Tool – http://sbcounty.permitrack.com/WAP and State Water Resources Control Board website – http://www.waterboards.ca.gov/santaana/water_iss ues/programs/tmdl/index.shtml*	Day Creek: None Cucamonga Creek, Reach 1: Cadmium, Copper, Lead, and Zinc Mill Creek (Prado Area): Indicator Bacteria, Nutrients and Total Suspended Solids (TSS) Chino Creek, Reach 1A: Indicator Bacteria, and Nutrients Santa Ana River, Reach 3: Copper, Indicator Bacteria and Lead Santa Ana River, Reach 2: None Santa Ana River, Reach 1: None Pacific Ocean: None
Environmentally Sensitive Areas (ESA) *Refer to Watershed Mapping Tool – http://sbcounty.permitrack.com/WAP*	n/a
Unlined Downstream Water Bodies *Refer to Watershed Mapping Tool – http://sbcounty.permitrack.com/WAP*	Santa Ana River
Hydrologic Conditions of Concern	☐ Yes *Complete Hydrologic Conditions of Concern (HCOC) Assessment. Include Forms 4.2-2 through Form 4.2-5 and Hydromodification BMP Form 4.3-10 in submittal* ☒ No
Watershed–based BMP included in a RWQCB approved WAP	☐ Yes *Attach verification of regional BMP evaluation criteria in WAP* • *More Effective than On-site LID* • *Remaining Capacity for Project DCV* • *Upstream of any Water of the US* • *Operational at Project Completion* • *Long-Term Maintenance Plan* ☒ No

Section 4 Best Management Practices (BMP)

4.1 Source Control BMP

4.1.1 Pollution Prevention

Non-structural and structural source control BMP are required to be incorporated into all new development and significant redevelopment projects. Form 4.1-1 and 4.1-2 are used to describe specific source control BMPs used in the WQMP or to explain why a certain BMP is not applicable. Table 7-3 of the TGD for WQMP provides a list of applicable source control BMP for projects with specific types of potential pollutant sources or activities. The source control BMP in this table must be implemented for projects with these specific types of potential pollutant sources or activities.

The preparers of this WQMP have reviewed the source control BMP requirements for new development and significant redevelopment projects. The preparers have also reviewed the specific BMP required for project as specified in Forms 4.1-1 and 4.1-2. All applicable non-structural and structural source control BMP shall be implemented in the project.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N1	Education of Property Owners, Tenants and Occupants on Stormwater BMPs	☒	☐	Property owner will familiarize him/herself with the educational materials in Attachment "E" and the contents of the WQMP.
N2	Activity Restrictions	☒	☐	The owner shall develop ongoing activity restrictions that include those that have the potential to create adverse impacts on water quality. Activities include, but are not limited to: handling and disposal of contaminants, fertilizer and pesticide application restrictions, litter control and pick-up, and vehicle or equipment repair as well as any other activities that may potentially contribute to water pollution. Refer to Attachment J.
N3	Landscape Management BMPs	☒	☐	Irrigation must be consistent with City's Water Conservation Ordinance. Fertilizer and pesticide usage will be consistent with County Management Guidelines for Use of Fertilizers and Pesticides.
N4	BMP Maintenance	☒	☐	BMP maintenance, implementation schedules, and responsible parties are included with each specific BMP narrative.
N5	Title 22 CCR Compliance (How development will comply)	☐	☒	No hazardous wastes onsite.
N6	Local Water Quality Ordinances	☒	☐	Owner/tenant will comply with Local Water Ordinances.
N7	Spill Contingency Plan	☒	☐	Owner/tenant will have a spill contingency plan, a separate document, based on specific site needs.
N8	Underground Storage Tank Compliance	☐	☒	No USTs onsite.
N9	Hazardous Materials Disclosure Compliance	☐	☒	No hazardous materials onsite.
N10	Uniform Fire Code Implementation	☒	☐	If applicable, owner will comply with Article 80 of the California Fire Code enforced by the fire protection agency. The facility operators will be educated annually regarding requirements for handling, storage and proper disposal of hazardous substances.
N11	Litter/Debris Control Program	☒	☐	Contract with their landscape maintenance firm to provide this service during regularly schedule maintenance. They are required to implement trash management and litter control procedures in the common areas aimed at reducing pollution of drainage water.
N12	Employee Training	☒	☐	The owner will ensure that tenants are also familiar with onsite BMPs and necessary maintenance required of the tenants. Owner will check with City and County at least once a year to obtain new or updated educational materials and provide these materials to tenants. Employees shall be trained to clean up spills and participate in ongoing maintenance. The WQMP requires annual employee training and new hires within 2 months.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N13	Housekeeping of Loading Docks	☒	☐	Keep all fluids indoors. Clean up spills immediately and keep spills from entering storm drain system. No direct discharges into the storm drain system. Area shall be inspected weekly for proper containment and practices with spills cleaned up immediately and disposed of properly.
N14	Catch Basin Inspection Program	☒	☐	Monthly inspection by property owner's designee. Inspection consists of immediate repair of any deterioration of the structures and maintenance of drain inserts before and after major rain events. Drain insert maintenance shall be per manufacturer's guidelines.
N15	Vacuum Sweeping of Private Streets and Parking Lots	☒	☐	All landscape maintenance contractors will be required to sweep up all landscape cuttings, mowings and fertilizer materials off paved areas weekly and dispose of properly. Parking areas and drive ways will be swept monthly by sweeping contractor.
N16	Other Non-structural Measures for Public Agency Projects	☐	☒	Not a public agency project.
N17	Comply with all other applicable NDPES permits	☒	☐	Will comply with Construction General Permit and Industrial General Permit (may apply for No Exposure Certification/NEC).

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
S1	Provide storm drain system stenciling and signage (CASQA New Development BMP Handbook SD-13)	☒	☐	"No Dumping – Drains to Waterway" stencils will be applied. Legibility of stencil will be maintained on a yearly basis.
S2	Design and construct outdoor material storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-34)	☐	☒	No outdoor material storage areas onsite.
S3	Design and construct trash and waste storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-32)	☒	☐	Paved with an impervious surface, designed not to allow run-on from adjoining areas, designed to divert drainage from adjoining roofs and pavements diverted around the area, screened or walled to prevent off-site transport of trash. A trash enclosure detail is provided within the Site and Drainage Map.
S4	Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control (Statewide Model Landscape Ordinance; CASQA New Development BMP Handbook SD-12)	☒	☐	Irrigation systems shall include reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines. Timers will be used to avoid over watering and watering cycles and duration shall be adjusted seasonally by the landscape maintenance contractor. The landscaping areas will be grouped with plants that have similar water requirements. Native or drought tolerant species shall also be used where appropriate to reduce excess irrigation runoff and promote surface filtration.
S5	Finish grade of landscaped areas at a minimum of 1-2 inches below top of curb, sidewalk, or pavement	☐	☒	Stormwater runoff from all areas will drain into the proposed infiltration facilities for treatment.
S6	Protect slopes and channels and provide energy dissipation (CASQA New Development BMP Handbook SD-10)	☐	☒	No channels to protect.
S7	Covered dock areas (CASQA New Development BMP Handbook SD-31)	☐	☒	No applicable.
S8	Covered maintenance bays with spill containment plans (CASQA New Development BMP Handbook SD-31)	☐	☒	No maintenance bays onsite.
S9	Vehicle wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	No vehicle wash areas onsite.
S10	Covered outdoor processing areas (CASQA New Development BMP Handbook SD-36)	☐	☒	No outdoor processing areas onsite.

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
S11	Equipment wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	No equipment wash areas onsite.
S12	Fueling areas (CASQA New Development BMP Handbook SD-30)	☐	☒	No fueling areas onsite.
S13	Hillside landscaping (CASQA New Development BMP Handbook SD-10)	☐	☒	No hillsides onsite.
S14	Wash water control for food preparation areas	☐	☒	No food preparation onsite.
S15	Community car wash racks (CASQA New Development BMP Handbook SD-33)	☐	☒	No community cars wash racks onsite.

4.1.2 Preventive LID Site Design Practices

Site design practices associated with new LID requirements in the MS4 Permit should be considered in the earliest phases of a project. Preventative site design practices can result in smaller DCV for LID BMP and hydromodification control BMP by reducing runoff generation. Describe site design and drainage plan including:

- A narrative of site design practices utilized or rationale for not using practices
- A narrative of how site plan incorporates preventive site design practices
- Include an attached Site Plan layout which shows how preventative site design practices are included in WQMP

Refer to Section 5.2 of the TGD for WQMP for more details.

Form 4.1-3 Preventive LID Site Design Practices Checklist

Site Design Practices *If yes, explain how preventative site design practice is addressed in project site plan. If no, other LID BMPs must be selected to meet targets.*
Minimize impervious areas: ☐ Yes ☒ No Explanation: Not applicable, development consists of a light industrial facility. Most areas will be paved; however, disturbed areas will be fully stabilized with landscaping and overflow runoff collected by the underground infiltration/detention chambers and biofiltration system for treatment.
Maximize natural infiltration capacity: ☒ Yes ☐ No Explanation: The proposed underground chambers will maximize natural infiltration into the subsoil below the chambers.
Preserve existing drainage patterns and time of concentration: ☒ Yes ☐ No Explanation: Post-development drainage patterns will mimic pre-development conditions. Stormwater will be retained/detained in underground facilities and mimic the time of concentration compared to existing condition.
Disconnect impervious areas: ☒ Yes ☐ No Explanation: The underground infiltration/detention chambers and biofiltration system will disconnect impervious areas before discharging offsite.
Protect existing vegetation and sensitive areas: ☐ Yes ☒ No Explanation: Not applicable, there is no existing vegetation onsite (see Attachment A for recent site photos). The site is being developed into a light industrial facility. There are no sensitive areas to protect. Landscape will be provided throughout the site.
Re-vegetate disturbed areas: ☐ Yes ☒ No Explanation: Not applicable, development consists of a light industrial facility. Most of the disturbed areas will be paved; however, disturbed areas will be landscaped with drought tolerant plants and overflow runoff collected by the underground infiltration/detention chambers and biofiltration system for treatment.
Minimize unnecessary compaction in stormwater retention/infiltration basin/trench areas: ☒ Yes ☐ No Explanation: Heavy construction vehicles will be prohibited from performing unnecessary soil compaction at the locations of the infiltration chambers.
Utilize vegetated drainage swales in place of underground piping or imperviously lined swales: ☐ Yes ☒ No Explanation: Underground piping and imperviously lined swales are located at truck loading areas that could not be substituted with vegetated swales. All Imperviously lined swales will be taken to the underground infiltration/detention chambers and biofiltration system for treatment.
Stake off areas that will be used for landscaping to minimize compaction during construction : ☒ Yes ☐ No Explanation: Landscaped areas (not located in the compacted building zone area) will be staked to minimize unnecessary compaction during construction. Material storage areas and stockpiles will be located on areas being developed into a parking lot. Access routes for heavy equipment will be located around infiltration locations.

4.2 Project Performance Criteria

The purpose of this section of the Project WQMP is to establish targets for post development hydrology based on performance criteria specified in the MS4 Permit. These targets include runoff volume for water quality control (referred to as LID design capture volume), and runoff volume, time of concentration, and peak runoff for protection of any downstream waterbody segments with a HCOC. ***If the project has more than one outlet for stormwater runoff, then complete additional versions of these forms for each DA / outlet.***

Methods applied in the following forms include:

- For LID BMP Design Capture Volume (DCV), the San Bernardino County Stormwater Program requires use of the P6 method (MS4 Permit Section XI.D.6a.ii) – Form 4.2-1
- For HCOC pre- and post-development hydrologic calculation, the San Bernardino County Stormwater Program requires the use of the Rational Method (San Bernardino County Hydrology Manual Section D). Forms 4.2-2 through Form 4.2-5 calculate hydrologic variables including runoff volume, time of concentration, and peak runoff from the project site pre- and post-development using the Hydrology Manual Rational Method approach. For projects greater than 640 acres (1.0 mi2), the Rational Method and these forms should not be used. For such projects, the Unit Hydrograph Method (San Bernardino County Hydrology Manual Section E) shall be applied for hydrologic calculations for HCOC performance criteria.

Refer to Section 4 in the TGD for WQMP for detailed guidance and instructions.

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 1 DMA A)

[1] **Project area (ft^2):** 169,884 (DA 1 DMA A – 3.90 ac)	[2] **Imperviousness after applying preventative site design practices (Imp%):** 95%	[3] **Runoff Coefficient (R_c):** 0.807 $R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$
[4] **Determine 1-hour rainfall depth for a 2-year return period $P_{2yr-1hr}$ (in):** 0.534 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html		
[5] **Compute P6, Mean 6-hr Precipitation (inches):** 0.791 *P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*		
[6] **Drawdown Rate** *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
[7] **Compute design capture volume, DCV (ft^3):** 17,732 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 2 DMA A)

[1] **Project area (ft^2):** 79,715 (DA 2 DMA A – 1.83 ac)	[2] **Imperviousness after applying preventative site design practices (Imp%):** 95%	[3] **Runoff Coefficient (R_c):** 0.807 $R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$
[4] **Determine 1-hour rainfall depth for a 2-year return period $P_{2yr-1hr}$ (in):** 0.534 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html		
[5] **Compute P6, Mean 6-hr Precipitation (inches):** 0.791 *P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*		
[6] **Drawdown Rate** *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
[7] **Compute design capture volume, DCV (ft^3):** 8,320 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 3 DMA A)

[1] **Project area (ft²):** 123,710 (DA 3 DMA A – 2.84 ac)	[2] **Imperviousness after applying preventative site design practices (Imp%):** 95%	[3] **Runoff Coefficient (R_c):** 0.807 $R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$

[4] **Determine 1-hour rainfall depth for a 2-year return period $P_{2yr-1hr}$ (in):** 0.534
http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

[5] **Compute P6, Mean 6-hr Precipitation (inches):** 0.791

*P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1*

(Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)

[6] **Drawdown Rate** *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*	24-hrs ☐ 48-hrs ☒

[7] **Compute design capture volume, DCV (ft³):** 12,913

*DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)*

Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 3 DMA B)

[1] **Project area (ft²):** 158,994 (DA 3 DMA B – 3.65 ac)	[2] **Imperviousness after applying preventative site design practices (Imp%):** 95%	[3] **Runoff Coefficient (R_c):** 0.807 $R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$

[4] **Determine 1-hour rainfall depth for a 2-year return period $P_{2yr-1hr}$ (in):** 0.534
http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

[5] **Compute P6, Mean 6-hr Precipitation (inches):** 0.791

*P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1*

(Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)

[6] **Drawdown Rate** *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*	24-hrs ☐ 48-hrs ☒

[7] **Compute design capture volume, DCV (ft³):** 16,595

*DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)*

Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 4 DMA A)

[1] Project area (ft^2): 1,230,134 (DA 4 DMA A – 28.24 ac)	**[2] Imperviousness after applying preventative site design practices (Imp%):** 95%	**[3] Runoff Coefficient (R_c):** 0.807 *$R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$*
[4] Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in): 0.534 *http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html*		
[5] Compute P6, Mean 6-hr Precipitation (inches): 0.791 *P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1* *(Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*		
[6] Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
[7] Compute design capture volume, DCV (ft^3): 128,399 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		
[1] Project area (ft^2): 327,571 (DA 4 DMA A - ROW – 7.52 ac)	**[2] Imperviousness after applying preventative site design practices (Imp%):** 100%	**[3] Runoff Coefficient (R_c):** 0.892 *$R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$*
[4] Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in): 0.534 *http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html*		
[5] Compute P6, Mean 6-hr Precipitation (inches): 0.791 *P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1* *(Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*		
[6] Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
[7] Compute design capture volume, DCV (ft^3): 37,794 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 4 DMA B)

[1] **Project area (ft^2):** 738,778 (DA 4 DMA B – 16.96 ac)	[2] **Imperviousness after applying preventative site design practices (Imp%):** 95%	[3] **Runoff Coefficient (R_c):** 0.807 $R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$

[4] **Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in):** 0.534
http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

[5] **Compute P6, Mean 6-hr Precipitation (inches):** 0.791
*P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1*
(Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)

[6] **Drawdown Rate** *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*	24-hrs ☐ 48-hrs ☒

[7] **Compute design capture volume, DCV (ft^3):** 77,112
*DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)*
Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 5 DMA A)

[1] **Project area (ft^2):** 447,361 (DA 5 DMA A – 10.27 ac)	[2] **Imperviousness after applying preventative site design practices (Imp%):** 95%	[3] **Runoff Coefficient (R_c):** 0.807 $R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$

[4] **Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in):** 0.534
http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

[5] **Compute P6, Mean 6-hr Precipitation (inches):** 0.791
*P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1*
(Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)

[6] **Drawdown Rate** *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*	24-hrs ☐ 48-hrs ☒

[7] **Compute design capture volume, DCV (ft^3):** 46,695
*DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)*
Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2

[1] **Project area (ft^2):** 323,215 (DA 5 DMA A - ROW – 7.42 ac)	[2] **Imperviousness after applying preventative site design practices (Imp%):** 100%	[3] **Runoff Coefficient (R_c):** 0.892 $R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$

[4] **Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in):** 0.534
http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

[5] **Compute P6, Mean 6-hr Precipitation (inches):** 0.791
*P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1*
(Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)

[6] Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*	24-hrs ☐ 48-hrs ☒
[7] Compute design capture volume, DCV (ft^3): 37,291 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*	

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 5 DMA B)

[1] Project area (ft^2): 564,538 (DA 5 DMA B – 12.96 ac)	**[2] Imperviousness after applying preventative site design practices (Imp%):** 95%	**[3] Runoff Coefficient (R_c):** 0.807 $R_C = 0.858(Imp\%)^3 - 0.78(Imp\%)^2 + 0.774(Imp\%) + 0.04$
[4] Determine 1-hour rainfall depth for a 2-year return period $P_{2yr-1hr}$ (in): 0.534 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html		
[5] Compute P6, Mean 6-hr Precipitation (inches): 0.791 *P6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1* *(Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*		
[6] Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24 hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
[7] Compute design capture volume, DCV (ft^3): 58,925 *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		

Form 4.2-2 Summary of HCOC Assessment

Does project have the potential to cause or contribute to an HCOC in a downstream channel: ☐ Yes ☒ No

Go to: http://sbcounty.permitrack.com/WAP/

If "Yes", then complete HCOC assessment of site hydrology for 2yr storm event using Forms 4.2-3 through 4.2-5 and insert results below (Forms 4.2-3 through 4.2-5 may be replaced by computer software analysis based on the San Bernardino County Hydrology Manual)

If "No," then proceed to Section 4.3 Project Conformance Analysis

Condition	Runoff Volume (ft^3)	Time of Concentration (min)	Peak Runoff (cfs)
Pre-developed	[1] n/a *Form 4.2-3 Item 12*	[2] n/a *Form 4.2-4 Item 13*	[3] n/a *Form 4.2-5 Item 10*
Post-developed	[4] n/a *Form 4.2-3 Item 13*	[5] n/a *Form 4.2-4 Item 14*	[6] n/a *Form 4.2-5 Item 14*
Difference	[7] n/a *Item 4 – Item 1*	[8] n/a *Item 5 – Item 2*	[9] n/a *Item 6 – Item 3*
Difference (as % of pre-developed)	[10] n/a *Item 7 / Item 1*	[11] n/a *Item 8 / Item 2*	[12] n/a *Item 9 / Item 3*

Form 4.2-3 HCOC Assessment for Runoff Volume (DA 1)

Weighted Curve Number Determination for: Pre-developed DA	DMA A	DMA B	DMA C	DMA D	DMA E	DMA F	DMA G	DMA H
1a Land Cover type	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2a Hydrologic Soil Group (HSG)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3a DMA Area, ft^2 *sum of areas of DMA should equal area of DA*	0	0	0	0	0	0	0	0
4a Curve Number (CN) *use Items 1 and 2 to select the appropriate CN from Appendix C-2 of the TGD for WQMP*	0	0	0	0	0	0	0	0
Weighted Curve Number Determination for: Post-developed DA	DMA A	DMA B	DMA C	DMA D	DMA E	DMA F	DMA G	DMA H
1b Land Cover type	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2b Hydrologic Soil Group (HSG)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3b DMA Area, ft^2 *sum of areas of DMA should equal area of DA*	0	0	0	0	0	0	0	0
4b Curve Number (CN) *use Items 5 and 6 to select the appropriate CN from Appendix C-2 of the TGD for WQMP*	0	0	0	0	0	0	0	0

5 Pre-Developed area-weighted CN: 0	**7** Pre-developed soil storage capacity, S (in): 0 *S = (1000 / Item 5) - 10*	**9** Initial abstraction, I_a (in): 0 *I_a = 0.2 * Item 7*
6 Post-Developed area-weighted CN: 0	**8** Post-developed soil storage capacity, S (in): 0 *S = (1000 / Item 6) - 10*	**10** Initial abstraction, I_a (in): 0 *I_a = 0.2 * Item 8*

11 Precipitation for 2 yr, 24 hr storm (in): 0
Go to: http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

12 Pre-developed Volume (ft^3): 0
*V_{pre} =(1 / 12) * (Item sum of Item 3) * [(Item 11 – Item 9)^2 / ((Item 11 – Item 9 + Item 7)*

13 Post-developed Volume (ft^3): 0
*V_{pre} =(1 / 12) * (Item sum of Item 3) * [(Item 11 – Item 10)^2 / ((Item 11 – Item 10 + Item 8)*

14 Volume Reduction needed to meet HCOC Requirement, (ft^3): 0
*V_{HCOC} = (Item 13 * 0.95) – Item 12*

Form 4.2-4 HCOC Assessment for Time of Concentration (DA 1)

Compute time of concentration for pre and post developed conditions for each DA

(For projects using the Hydrology Manual complete the form below)

Variables	Pre-developed DA1 *Use additional forms if there are more than 4 DMA*				Post-developed DA1 *Use additional forms if there are more than 4 DMA*			
	DMA A	DMA B	DMA C	DMA D	DMA A	DMA B	DMA C	DMA D
1 Length of flowpath (ft) *Use Form 3-2 Item 5 for pre-developed condition*	0	0	0	0	0	0	0	0
2 Change in elevation (ft)	0	0	0	0	0	0	0	0
3 Slope (ft/ft) *S_o = Item 2 / Item 1*	0	0	0	0	0	0	0	0
4 Land cover	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5 Initial DMA Time of Concentration (min) *Appendix C-1 of the TGD for WQMP*	0	0	0	0	0	0	0	0
6 Length of conveyance from DMA outlet to project site outlet (ft) *May be zero if DMA outlet is at project site outlet*	0	0	0	0	0	0	0	0
7 Cross-sectional area of channel (ft^2)	0	0	0	0	0	0	0	0
8 Wetted perimeter of channel (ft)	0	0	0	0	0	0	0	0
9 Manning's roughness of channel (n)	0	0	0	0	0	0	0	0
10 Channel flow velocity (ft/sec) *V_{fps} = (1.49 / Item 9) * (Item 7/Item 8)^0.67 * (Item 3)^0.5*	0	0	0	0	0	0	0	0
11 Travel time to outlet (min) *T_t = Item 6 / (Item 10 * 60)*	0	0	0	0	0	0	0	0
12 Total time of concentration (min) *T_c = Item 5 + Item 11*	0	0	0	0	0	0	0	0
13 Pre-developed time of concentration (min): 0 *Minimum of Item 12 pre-developed DMA*								
14 Post-developed time of concentration (min): 0 *Minimum of Item 12 post-developed DMA*								
15 Additional time of concentration needed to meet HCOC requirement (min): 0 *$T_{C\text{-}HCOC}$ = (Item 13 * 0.95) – Item 14*								

Form 4.2-5 HCOC Assessment for Peak Runoff (DA 1)

Compute peak runoff for pre- and post-developed conditions

Variables		Pre-developed DA to Project Outlet (*Use additional forms if more than 3 DMA)*			Post-developed DA to Project Outlet (*Use additional forms if more than 3 DMA)*		
		DMA A	DMA B	DMA C	DMA A	DMA B	DMA C
1 Rainfall Intensity for storm duration equal to time of concentration *I_{peak} = 10^(LOG Form 4.2-1 Item 4 - 0.6 LOG Form 4.2-4 Item 5 /60)*		0	0	0	0	0	0
2 Drainage Area of each DMA (Acres) *For DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*		0	0	0	0	0	0
3 Ratio of pervious area to total area *For DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*		0	0	0	0	0	0
4 Pervious area infiltration rate (in/hr) *Use pervious area CN and antecedent moisture condition with Appendix C-3 of the TGD for WQMP*		0	0	0	0	0	0
5 Maximum loss rate (in/hr) *F_m = Item 3 * Item 4* *Use area-weighted F_m from DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*		0	0	0	0	0	0
6 Peak Flow from DMA (cfs) *Q_p =Item 2 * 0.9 * (Item 1 - Item 5)*		0	0	0	0	0	0
7 Time of concentration adjustment factor for other DMA to site discharge point *Form 4.2-4 Item 12 DMA / Other DMA upstream of site discharge point (If ratio is greater than 1.0, then use maximum value of 1.0)*	DMA A	*n/a*			*n/a*		
	DMA B		*n/a*			*n/a*	
	DMA C			*n/a*			*n/a*

8 Pre-developed Q_p at T_c for DMA A: 0 *Q_p = Item 6_{DMAA} + [Item 6_{DMAB} * (Item 1_{DMAA} - Item 5_{DMAB})/(Item 1_{DMAB} - Item 5_{DMAB})* Item $7_{DMAA/2}$] + [Item 6_{DMAC} * (Item 1_{DMAA} - Item 5_{DMAC})/(Item 1_{DMAC} - Item 5_{DMAC})* Item $7_{DMAA/3}$]*	**9** Pre-developed Q_p at T_c for DMA B: 0 *Q_p = Item 6_{DMAB} + [Item 6_{DMAA} * (Item 1_{DMAB} - Item 5_{DMAA})/(Item 1_{DMAA} - Item 5_{DMAA})* Item $7_{DMAB/1}$] + [Item 6_{DMAC} * (Item 1_{DMAB} - Item 5_{DMAC})/(Item 1_{DMAC} - Item 5_{DMAC})* Item $7_{DMAB/3}$]*	**10** Pre-developed Q_p at T_c for DMA C: 0 *Q_p = Item 6_{DMAC} + [Item 6_{DMAA} * (Item 1_{DMAC} - Item 5_{DMAA})/(Item 1_{DMAA} - Item 5_{DMAA})* Item $7_{DMAC/1}$] + [Item 6_{DMAB} * (Item 1_{DMAC} - Item 5_{DMAB})/(Item 1_{DMAB} - Item 5_{DMAB})* Item $7_{DMAC/2}$]*
10 Peak runoff from pre-developed condition confluence analysis (cfs): 0 *Maximum of Item 8, 9, and 10 (including additional forms as needed)*		
11 Post-developed Q_p at T_c for DMA A: 0 *Same as Item 8 for post-developed values*	**12** Post-developed Q_p at T_c for DMA B: 0 *Same as Item 9 for post-developed values*	**13** Post-developed Q_p at T_c for DMA C: 0 *Same as Item 10 for post-developed values*
14 Peak runoff from post-developed condition confluence analysis (cfs): 0 *Maximum of Item 11, 12, and 13 (including additional forms as needed)*		
15 Peak runoff reduction needed to meet HCOC Requirement (cfs): 0 *$Q_{p\text{-}HCOC}$ = (Item 14 * 0.95) – Item 10*		

4.3 Project Conformance Analysis

Complete the following forms for each project site DA to document that the proposed LID BMPs conform to the project DCV developed to meet performance criteria specified in the MS4 Permit (WQMP Template Section 4.2). For the LID DCV, the forms are ordered according to hierarchy of BMP selection as required by the MS4 Permit (see Section 5.3.1 in the TGD for WQMP). The forms compute the following for on-site LID BMP:

- Site Design and Hydrologic Source Controls (Form 4.3-2)
- Retention and Infiltration (Form 4.3-3)
- Harvested and Use (Form 4.3-4) or
- Biotreatment (Form 4.3-5).

At the end of each form, additional fields facilitate the determination of the extent of mitigation provided by the specific BMP category, allowing for use of the next category of BMP in the hierarchy, if necessary.

The first step in the analysis, using Section 5.3.2.1 of the TGD for WQMP, is to complete Forms 4.3-1 and 4.3-3) to determine if retention and infiltration BMPs are infeasible for the project. For each feasibility criterion in Form 4.3-1, if the answer is "Yes," provide all study findings that includes relevant calculations, maps, data sources, etc. used to make the determination of infeasibility.

Next, complete Forms 4.3-2 and 4.3-4 to determine the feasibility of applicable HSC and harvest and use BMPs, and, if their implementation is feasible, the extent of mitigation of the DCV.

If no site constraints exist that would limit the type of BMP to be implemented in a DA, evaluate the use of combinations of LID BMPs, including all applicable HSC BMPs to maximize on-site retention of the DCV. If no combination of BMP can mitigate the entire DCV, implement the single BMP type, or combination of BMP types, that maximizes on-site retention of the DCV within the minimum effective area.

If the combination of LID HSC, retention and infiltration, and harvest and use BMPs are unable to mitigate the entire DCV, then biotreatment BMPs may be implemented by the project proponent. If biotreatment BMPs are used, then they must be sized to provide sufficient capacity for effective treatment of the remainder of the volume-based performance criteria that cannot be achieved with LID BMPs (TGD for WQMP Section 5.4.4.2). Under no circumstances shall any portion of the DCV be released from the site without effective mitigation and/or treatment.

Form 4.3-1 Infiltration BMP Feasibility (Entire Site)

Feasibility Criterion – Complete evaluation for each DA on the Project Site	
1 Would infiltration BMP pose significant risk for groundwater related concerns? *Refer to Section 5.3.2.1 of the TGD for WQMP*	☐ Yes ☒ No
If Yes, Provide basis: (attach)	
2 Would installation of infiltration BMP significantly increase the risk of geotechnical hazards (Yes, if the answer to any of the following questions is yes, as established by a geotechnical expert): • The location is less than 50 feet away from slopes steeper than 15 percent • The location is less than eight feet from building foundations or an alternative setback. • A study certified by a geotechnical professional or an available watershed study determines that stormwater infiltration would result in significantly increased risks of geotechnical hazards.	☐ Yes ☒ No
If Yes, Provide basis: (attach)	
3 Would infiltration of runoff on a Project site violate downstream water rights?	☐ Yes ☒ No
If Yes, Provide basis: (attach)	
4 Is proposed infiltration facility located on hydrologic soil group (HSG) D soils or does the site geotechnical investigation indicate presence of soil characteristics, which support categorization as D soils?	☐ Yes ☒ No
If Yes, Provide basis: (attach)	
5 Is the design infiltration rate, after accounting for safety factor of 2.0, below proposed facility less than 0.3 in/hr (accounting for soil amendments)?	☐ Yes ☒ No
If Yes, Provide basis: (attach)	
6 Would on-site infiltration or reduction of runoff over pre-developed conditions be partially or fully inconsistent with watershed management strategies as defined in the WAP, or impair beneficial uses? *See Section 3.5 of the TGD for WQMP and WAP*	☐ Yes ☒ No
If Yes, Provide basis: (attach)	
7 Any answer from Item 1 through Item 3 is "Yes": *If yes, infiltration of any volume is not feasible onsite. Proceed to Form 4.3-4, Harvest and Use BMP. If no, then proceed to Item 8 below.*	☐ Yes ☒ No
8 Any answer from Item 4 through Item 6 is "Yes": *If yes, infiltration is permissible but is not required to be considered. Proceed to Form 4.3-2, Hydrologic Source Control BMP.* *If no, then proceed to Item 9, below.*	☐ Yes ☒ No
9 All answers to Item 1 through Item 6 are "No": *Infiltration of the full DCV is potentially feasible, LID infiltration BMP must be designed to infiltrate the full DCV to the MEP.* *Proceed to Form 4.3-2, Hydrologic Source Control BMP.*	☒ Yes ☐ No

4.3.1 Site Design Hydrologic Source Control BMP

Section XI.E. of the Permit emphasizes the use of LID preventative measures; and the use of LID HSC BMPs reduces the portion of the DCV that must be addressed in downstream BMPs. Therefore, all applicable HSC shall be provided except where they are mutually exclusive with each other, or with other BMPs. Mutual exclusivity may result from overlapping BMP footprints such that either would be potentially feasible by itself, but both could not be implemented. Please note that while there are no numeric standards regarding the use of HSC, if a project cannot feasibly meet BMP sizing requirements or cannot fully address HCOCs, feasibility of all applicable HSC must be part of demonstrating that the BMP system has been designed to retain the maximum feasible portion of the DCV. Complete Form 4.3-2 to identify and calculate estimated retention volume from implementing site design HSC BMP. Refer to Section 5.4.1 in the TGD for more detailed guidance.

Form 4.3-2 Site Design Hydrologic Source Control BMPs (DA)

1 Implementation of Impervious Area Dispersion BMP (i.e. routing runoff from impervious to pervious areas), excluding impervious areas planned for routing to on-lot infiltration BMP: ☐ Yes ☒ No *If yes, complete Items 2-5; If no, proceed to Item 6*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
2 Total impervious area draining to pervious area (ft^2)	0	0	0
3 Ratio of pervious area receiving runoff to impervious area	0	0	0
4 Retention volume achieved from impervious area dispersion (ft^3) *V = Item2 * Item 3 * (0.5/12), assuming retention of 0.5 inches of runoff*	0	0	0
5 Sum of retention volume achieved from impervious area dispersion (ft^3): 0 *$V_{retention}$ =Sum of Item 4 for all BMPs*			
6 Implementation of Localized On-lot Infiltration BMPs (e.g. on-lot rain gardens): ☐ Yes ☒ No *If yes, complete Items 7-13 for aggregate of all on-lot infiltration BMP in each DA; If no, proceed to Item 14*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
7 Ponding surface area (ft^2)	0	0	0
8 Ponding depth (ft)	0	0	0
9 Surface area of amended soil/gravel (ft^2)	0	0	0
10 Average depth of amended soil/gravel (ft)	0	0	0
11 Average porosity of amended soil/gravel	0	0	0
12 Retention volume achieved from on-lot infiltration (ft^3) *$V_{retention}$ = (Item 7 *Item 8) + (Item 9 * Item 10 * Item 11)*	0	0	0
13 Runoff volume retention from on-lot infiltration (ft^3): 0 *$V_{retention}$ =Sum of Item 12 for all BMPs*			
14 Implementation of evapotranspiration BMP (green, brown, or blue roofs): ☐ Yes ☒ No *If yes, complete Items 15-20. If no, proceed to Item 21*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
15 Rooftop area planned for ET BMP (ft^2)	0	0	0
16 Average wet season ET demand (in/day) *Use local values, typical ~ 0.1*	0	0	0
17 Daily ET demand (ft^3/day) *Item 15 * (Item 16 / 12)*	0	0	0
18 Drawdown time (hrs) *Copy Item 6 in Form 4.2-1*	0	0	0
19 Retention Volume (ft^3) *$V_{retention}$ = Item 17 * (Item 18 / 24)*	0	0	0
20 Runoff volume retention from evapotranspiration BMPs (ft^3): 0 *$V_{retention}$ =Sum of Item 19 for all BMPs*			
21 Implementation of Street Trees: ☐ Yes ☒ No *If yes, complete Items 22-25. If no, proceed to Item 26*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*

Form 4.3-2 Site Design Hydrologic Source Control BMPs (DA)			
22 Number of Street Trees	0	0	0
23 Average canopy cover over impervious area (ft^2)	0	0	0
24 Runoff volume retention from street trees (ft^3) *$V_{retention}$ = Item 22 * Item 23 * (0.05/12) assume runoff retention of 0.05 inches*	0	0	0
25 Runoff volume retention from street tree BMPs (ft^3): 0 *$V_{retention}$ = Sum of Item 24 for all BMPs*			
26 Implementation of residential rain barrel/cisterns: ☐ Yes ☒ No *If yes, complete Items 27-29; If no, proceed to Item 30*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
27 Number of rain barrels/cisterns	0	0	0
28 Runoff volume retention from rain barrels/cisterns (ft^3) *$V_{retention}$ = Item 27 * 3*	0	0	0
29 Runoff volume retention from residential rain barrels/Cisterns (ft^3): 0 *$V_{retention}$ =Sum of Item 28 for all BMPs*			
30 Total Retention Volume from Site Design Hydrologic Source Control BMPs: 0 *Sum of Items 5, 13, 20, 25 and 29*			

4.3.2 Infiltration BMPs

Use Form 4.3-3 to compute on-site retention of runoff from proposed retention and infiltration BMPs. Volume retention estimates are sensitive to the percolation rate used, which determines the amount of runoff that can be infiltrated within the specified drawdown time. The infiltration safety factor reduces field measured percolation to account for potential inaccuracy associated with field measurements, declining BMP performance over time, and compaction during construction. Appendix D of the TGD for WQMP provides guidance on estimating an appropriate safety factor to use in Form 4.3-3.

If site constraints limit the use of BMPs to a single type and implementation of retention and infiltration BMPs mitigate no more than 40% of the DCV, then they are considered infeasible and the Project Proponent may evaluate the effectiveness of BMPs lower in the LID hierarchy of use (Section 5.5.1 of the TGD for WQMP)

If implementation of infiltrations BMPs is feasible as determined using Form 4.3-1, then LID infiltration BMPs shall be implemented to the MEP (section 4.1 of the TGD for WQMP).

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 1 DMA A)

[1] Remaining LID DCV not met by site design HSC BMP (ft^3): 17,732
V = Form 4.2-1 Item 7 - Form 4.3-2 Item 30

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP)*	**DA 1 DMA A**	**n/a**	**n/a**
[2] Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	4.80	n/a	n/a
[3] Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	2.25	n/a	n/a
[4] Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	2.13	n/a	n/a
[5] Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48	n/a	n/a
[6] Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	8.40' (100.8")	n/a	n/a
[7] Ponding Depth (ft) *d_{BMP} = Minimum of (1/12 * Item 4 * Item 5) or Item 6*	8.40' (100.8")	n/a	n/a
[8] Infiltrating surface area, SA (ft^2) *The lesser of the area needed for BMP infiltration of full DCV or minimum space requirements from Table 5-7 of the TGD for WQMP*	2,751	n/a	n/a
[9] Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	n/a	n/a	n/a
[10] Amended soil porosity	n/a	n/a	n/a
[11] Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	0.5' (6")	n/a	n/a
[12] Gravel porosity	0.40	n/a	n/a
[13] Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	n/a	n/a	n/a
[14] Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 retention * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	n/a	n/a	n/a
[15] Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	17,775 (see Attach. B for detailed calculations)	n/a	n/a

[16] Total Retention Volume from LID Infiltration BMPs (ft^3): 17,775
(Sum of Items 14 and 15 for all infiltration BMP included in plan)

[17] Fraction of DCV achieved with infiltration BMP: 100%
Retention% = Item 16 / Form 4.2-1 Item 7

[18] Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs?
☒ Yes ☐ No
If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 2 DMA A)

[1] Remaining LID DCV not met by site design HSC BMP (ft^3): 8,320
V = Form 4.2-1 Item 7 - Form 4.3-2 Item 30

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP)*	**DA 2 DMA A**	**n/a**	**n/a**
[2] Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	4.20	n/a	n/a
[3] Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	2.00	n/a	n/a
[4] Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	2.10	n/a	n/a
[5] Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48	n/a	n/a
[6] Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	8.40' (100.8")	n/a	n/a
[7] Ponding Depth (ft) *d_{BMP} = Minimum of (1/12 * Item 4 * Item 5) or Item 6*	8.40' (100.8")	n/a	n/a
[8] Infiltrating surface area, SA (ft^2) *The lesser of the area needed for BMP infiltration of full DCV or minimum space requirements from Table 5-7 of the TGD for WQMP*	1,270	n/a	n/a
[9] Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	n/a	n/a	n/a
[10] Amended soil porosity	n/a	n/a	n/a
[11] Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	0.5' (6")	n/a	n/a
[12] Gravel porosity	0.40	n/a	n/a
[13] Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	n/a	n/a	n/a
[14] Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 retention * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	n/a	n/a	n/a
[15] Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	8,342 (see Attach. B for detailed calculations)	n/a	n/a

[16] Total Retention Volume from LID Infiltration BMPs (ft^3): 8,342
(Sum of Items 14 and 15 for all infiltration BMP included in plan)

[17] Fraction of DCV achieved with infiltration BMP: 100%
Retention% = Item 16 / Form 4.2-1 Item 7

[18] Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs?
☒ Yes ☐ No
If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 3 DMA A)

[1] Remaining LID DCV not met by site design HSC BMP (ft^3): 12,913
V = Form 4.2-1 Item 7 - Form 4.3-2 Item 30

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP)*	**DA 3 DMA A**	**n/a**	**n/a**
[2] Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	4.80	n/a	n/a
[3] Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	2.25	n/a	n/a
[4] Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	2.13	n/a	n/a
[5] Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48	n/a	n/a
[6] Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	8.40' (100.8")	n/a	n/a
[7] Ponding Depth (ft) *d_{BMP} = Minimum of (1/12 * Item 4 * Item 5) or Item 6*	8.40' (100.8")	n/a	n/a
[8] Infiltrating surface area, SA (ft^2) *The lesser of the area needed for BMP infiltration of full DCV or minimum space requirements from Table 5-7 of the TGD for WQMP*	2,016	n/a	n/a
[9] Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	n/a	n/a	n/a
[10] Amended soil porosity	n/a	n/a	n/a
[11] Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	0.5' (6")	n/a	n/a
[12] Gravel porosity	0.40	n/a	n/a
[13] Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	n/a	n/a	n/a
[14] Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 retention * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	n/a	n/a	n/a
[15] Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	13,018 (see Attach. B for detailed calculations)	n/a	n/a

[16] Total Retention Volume from LID Infiltration BMPs (ft^3): 13,018
(Sum of Items 14 and 15 for all infiltration BMP included in plan)

[17] Fraction of DCV achieved with infiltration BMP: 100%
Retention% = Item 16 / Form 4.2-1 Item 7

[18] Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs?
☒ Yes ☐ No
If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 3 DMA B)

[1] Remaining LID DCV not met by site design HSC BMP (ft^3): 16,595
V = Form 4.2-1 Item 7 - Form 4.3-2 Item 30

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP)*	**DA 3 DMA B**	**n/a**	**n/a**
[2] Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	4.80	n/a	n/a
[3] Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	2.25	n/a	n/a
[4] Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	2.13	n/a	n/a
[5] Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48	n/a	n/a
[6] Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	8.40' (100.8")	n/a	n/a
[7] Ponding Depth (ft) *d_{BMP} = Minimum of (1/12 * Item 4 * Item 5) or Item 6*	8.40' (100.8")	n/a	n/a
[8] Infiltrating surface area, SA (ft^2) *The lesser of the area needed for BMP infiltration of full DCV or minimum space requirements from Table 5-7 of the TGD for WQMP*	2,583	n/a	n/a
[9] Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	n/a	n/a	n/a
[10] Amended soil porosity	n/a	n/a	n/a
[11] Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	0.5' (6")	n/a	n/a
[12] Gravel porosity	0.40	n/a	n/a
[13] Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	n/a	n/a	n/a
[14] Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 retention * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	n/a	n/a	n/a
[15] Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	16,688 (see Attach. B for detailed calculations)	n/a	n/a

[16] Total Retention Volume from LID Infiltration BMPs (ft^3): 16,688
(Sum of Items 14 and 15 for all infiltration BMP included in plan)

[17] Fraction of DCV achieved with infiltration BMP: 100%
Retention% = Item 16 / Form 4.2-1 Item 7

[18] Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs?
☒ Yes ☐ No
If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 4 DMA A)

[1] Remaining LID DCV not met by site design HSC BMP (ft^3): 166,193
V = Form 4.2-1 Item 7 - Form 4.3-2 Item 30

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP)*	**DA 3 DMA B**	**n/a**	**n/a**
[2] Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	5.25	n/a	n/a
[3] Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	2.50	n/a	n/a
[4] Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	2.10	n/a	n/a
[5] Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48	n/a	n/a
[6] Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	8.40' (100.8")	n/a	n/a
[7] Ponding Depth (ft) *d_{BMP} = Minimum of (1/12 * Item 4 * Item 5) or Item 6*	8.40' (100.8")	n/a	n/a
[8] Infiltrating surface area, SA (ft^2) *The lesser of the area needed for BMP infiltration of full DCV or minimum space requirements from Table 5-7 of the TGD for WQMP*	26,065	n/a	n/a
[9] Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	n/a	n/a	n/a
[10] Amended soil porosity	n/a	n/a	n/a
[11] Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	0.5' (6")	n/a	n/a
[12] Gravel porosity	0.40	n/a	n/a
[13] Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	n/a	n/a	n/a
[14] Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 retention * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	n/a	n/a	n/a
[15] Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	166,488 (see Attach. B for detailed calculations)	n/a	n/a

[16] Total Retention Volume from LID Infiltration BMPs (ft^3): 166,488
(Sum of Items 14 and 15 for all infiltration BMP included in plan)

[17] Fraction of DCV achieved with infiltration BMP: 100%
Retention% = Item 16 / Form 4.2-1 Item 7

[18] Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs?
☒ Yes ☐ No
If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 4 DMA B)

[1] Remaining LID DCV not met by site design HSC BMP (ft^3): 77,112
V = Form 4.2-1 Item 7 - Form 4.3-2 Item 30

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP)*	**DA 4 DMA B**	**n/a**	**n/a**
[2] Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	1.00	n/a	n/a
[3] Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	2.50	n/a	n/a
[4] Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	0.40	n/a	n/a
[5] Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48	n/a	n/a
[6] Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	1.60' (19.2")	n/a	n/a
[7] Ponding Depth (ft) *d_{BMP} = Minimum of (1/12 * Item 4 * Item 5) or Item 6*	1.60' (19.2")	n/a	n/a
[8] Infiltrating surface area, SA (ft^2) *The lesser of the area needed for BMP infiltration of full DCV or minimum space requirements from Table 5-7 of the TGD for WQMP*	62,580	n/a	n/a
[9] Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	n/a	n/a	n/a
[10] Amended soil porosity	n/a	n/a	n/a
[11] Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	1.0' (12")	n/a	n/a
[12] Gravel porosity	0.40	n/a	n/a
[13] Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	n/a	n/a	n/a
[14] Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 retention * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	n/a	n/a	n/a
[15] Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	77,160 (see Attach. B for detailed calculations)	n/a	n/a

[16] Total Retention Volume from LID Infiltration BMPs (ft^3): 77,160
(Sum of Items 14 and 15 for all infiltration BMP included in plan)

[17] Fraction of DCV achieved with infiltration BMP: 100%
Retention% = Item 16 / Form 4.2-1 Item 7

[18] Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs?
☒ Yes ☐ No
If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 5 DMA A)

[1] Remaining LID DCV not met by site design HSC BMP (ft^3): 83,986
V = Form 4.2-1 Item 7 - Form 4.3-2 Item 30

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP)*	**DA 5 DMA A**	**n/a**	**n/a**
[2] Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	2.50	n/a	n/a
[3] Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	2.50	n/a	n/a
[4] Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	1.00	n/a	n/a
[5] Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48	n/a	n/a
[6] Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	3.90' (46.8")	n/a	n/a
[7] Ponding Depth (ft) *d_{BMP} = Minimum of (1/12 * Item 4 * Item 5) or Item 6*	3.90' (46.8")	n/a	n/a
[8] Infiltrating surface area, SA (ft^2) *The lesser of the area needed for BMP infiltration of full DCV or minimum space requirements from Table 5-7 of the TGD for WQMP*	29,068	n/a	n/a
[9] Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	n/a	n/a	n/a
[10] Amended soil porosity	n/a	n/a	n/a
[11] Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	0.5' (6")	n/a	n/a
[12] Gravel porosity	0.40	n/a	n/a
[13] Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	n/a	n/a	n/a
[14] Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 retention * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	n/a	n/a	n/a
[15] Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	84,086 (see Attach. B for detailed calculations)	n/a	n/a

[16] Total Retention Volume from LID Infiltration BMPs (ft^3): 84,086
(Sum of Items 14 and 15 for all infiltration BMP included in plan)

[17] Fraction of DCV achieved with infiltration BMP: 100%
Retention% = Item 16 / Form 4.2-1 Item 7

[18] Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs?
☒ Yes ☐ No
If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 5 DMA B)

[1] Remaining LID DCV not met by site design HSC BMP (ft^3): 58,925
V = Form 4.2-1 Item 7 - Form 4.3-2 Item 30

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP)*	**n/a**	**n/a**	**n/a**
[2] Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	n/a	n/a	n/a
[3] Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	n/a	n/a	n/a
[4] Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	n/a	n/a	n/a
[5] Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	n/a	n/a	n/a
[6] Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	n/a	n/a	n/a
[7] Ponding Depth (ft) *d_{BMP} = Minimum of (1/12 * Item 4 * Item 5) or Item 6*	n/a	n/a	n/a
[8] Infiltrating surface area, SA (ft^2) *The lesser of the area needed for BMP infiltration of full DCV or minimum space requirements from Table 5-7 of the TGD for WQMP*	n/a	n/a	n/a
[9] Amended soil depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	n/a	n/a	n/a
[10] Amended soil porosity	n/a	n/a	n/a
[11] Gravel depth, d_{media} (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	n/a	n/a	n/a
[12] Gravel porosity	n/a	n/a	n/a
[13] Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	n/a	n/a	n/a
[14] Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 retention * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	n/a	n/a	n/a
[15] Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	n/a	n/a	n/a

[16] Total Retention Volume from LID Infiltration BMPs (ft^3): 0
(Sum of Items 14 and 15 for all infiltration BMP included in plan)

[17] Fraction of DCV achieved with infiltration BMP: 0%
Retention% = Item 16 / Form 4.2-1 Item 7

[18] Is full LID DCV retained on-site with combination of hydrologic source control and LID retention and infiltration BMPs?
☒ Yes ☐ No
If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

4.3.3 Harvest and Use BMP

Harvest and use BMP may be considered if the full LID DCV cannot be met by maximizing infiltration BMPs. Use Form 4.3-4 to compute on-site retention of runoff from proposed harvest and use BMPs.

Volume retention estimates for harvest and use BMPs are sensitive to the on-site demand for captured stormwater. Since irrigation water demand is low in the wet season, when most rainfall events occur in San Bernardino County, the volume of water that can be used within a specified drawdown period is relatively low. The bottom portion of Form 4.3-4 facilitates the necessary computations to show infeasibility if a minimum incremental benefit of 40 percent of the LID DCV would not be achievable with MEP implementation of on-site harvest and use of stormwater (Section 5.5.4 of the TGD for WQMP).

Form 4.3-4 Harvest and Use BMPs

[1] **Remaining LID DCV not met by site design HSC or infiltration BMP (ft^3):** V_{unmet} = Form 4.2-1 Item 7 - Form 4.3-2 Item 30 – Form 4.3-3 Item 16			
BMP Type(s) *Compute runoff volume retention from proposed harvest and use BMP (Select BMPs from Table 5-4 of the TGD for WQMP)*	**BMP Type and DA**	**BMP Type and DA**	**BMP Type and DA**
[2] **Describe cistern or runoff detention facility**			
[3] **Storage volume for proposed detention type (ft^3)** *Volume of cistern*			
[4] **Landscaped area planned for use of harvested stormwater (ft^2)**			
[5] **Average wet season daily irrigation demand (in/day)** *Use local values, typical ~ 0.1 in/day*			
[6] **Daily water demand (ft^3/day)** *Item 4 * (Item 5 / 12)*			
[7] **Drawdown time (hrs)** *Copy Item 6 from Form 4.2-1*			
[8] **Retention Volume (ft^3)** *$V_{retention}$ = Minimum of (Item 3) or (Item 6 * (Item 7 / 24))*			
[9] **Total Retention Volume (ft^3) from Harvest and Use BMP:** *Sum of Item 8 for all harvest and use BMP included in plan*			
[10] **Is the full DCV retained with a combination of LID HSC, retention and infiltration, and harvest and use BMPs?** ☐ Yes ☐ No *If yes, demonstrate conformance using Form 4.3-10. If no, then re-evaluate combinations of all LID BMP and optimize their implementation such that the maximum portion of the DCV is retained on-site (using a single BMP type or combination of BMP types). If the full DCV cannot be mitigated after this optimization process, proceed to Section 4.3.4.*			

4.3.4 Biotreatment BMP

Biotreatment BMPs may be considered if the full LID DCV cannot be met by maximizing retention and infiltration, and harvest and use BMPs. A key consideration when using biotreatment BMP is the effectiveness of the proposed BMP in addressing the pollutants of concern for the project (see Table 5-5 of the TGD for WQMP).

Use Form 4.3-5 to summarize the potential for volume based and/or flow based biotreatment options to biotreat the remaining unmet LID DCV. Biotreatment computations are included as follows:

- Use Form 4.3-6 to compute biotreatment in small volume based biotreatment BMP (e.g. bioretention w/underdrains);
- Use Form 4.3-7 to compute biotreatment in large volume based biotreatment BMP (e.g. constructed wetlands);
- Use Form 4.3-8 to compute sizing criteria for flow-based biotreatment BMP (e.g. bioswales)

Form 4.3-5 Selection and Evaluation of Biotreatment BMP (DA 5 DMA B)

<table>
<tr><td colspan="2">[1] Remaining LID DCV not met by site design HSC, infiltration, or harvest and use BMP for potential biotreatment (ft³): 58,925
Form 4.2-1 Item 7 – Form 4.3-2 Item 30 – Form 4.3-3 Item 16- Form 4.3-4 Item 9</td><td>List pollutants of concern
Copy from Form 2.3-1
Pathogens
Metals
Nitrogen</td></tr>
<tr><td rowspan="2">[2] Biotreatment BMP Selected
(Select biotreatment BMP(s) necessary to ensure all pollutants of concern are addressed through Unit Operations and Processes, described in Table 5-5 of the TGD for WQMP)</td><td>Volume-based biotreatment
Use Forms 4.3-6 and 4.3-7 to compute treated volume</td><td>Flow-based biotreatment
Use Form 4.3-8 to compute treated volume</td></tr>
<tr><td>☐ Bioretention with underdrain
☐ Planter box with underdrain
☐ Constructed wetlands
☐ Wet extended detention
☐ Dry extended detention
☒ Proprietary biotreatment (volume)</td><td>☐ Vegetated swale
☐ Vegetated filter strip
☐ Proprietary biotreatment</td></tr>
<tr><td>[3] Volume biotreated in volume based biotreatment BMP (ft³): 59,390
Form 4.3-6 Item 15 + Form 4.3-7 Item 13</td><td>[4] Compute remaining LID DCV with implementation of volume based biotreatment BMP (ft³): 0
Item 1 – Item 3</td><td>[5] Remaining fraction of LID DCV for sizing flow based biotreatment BMP: n/a
Item 4 / Item 1</td></tr>
<tr><td colspan="3">[6] Flow-based biotreatment BMP capacity provided (cfs): n/a
Use Figure 5-2 of the TGD for WQMP to determine flow capacity required to provide biotreatment of remaining percentage of unmet LID DCV (Item 5), for the project's precipitation zone (Form 3-1 Item 1)</td></tr>
<tr><td colspan="3">[7] Metrics for MEP determination:
☐ Provided a WQMP with the portion of site area used for suite of LID BMP equal to minimum thresholds in Table 5-7 of the TGD for WQMP for the proposed category of development:
If maximized on-site retention BMPs is feasible for partial capture, then LID BMP implementation must be optimized to retain and infiltrate the maximum portion of the DCV possible within the prescribed minimum effective area. The remaining portion of the DCV shall then be mitigated using biotreatment BMP.</td></tr>
</table>

Form 4.3-6 Volume Based Biotreatment – Bioretention and Planter Boxes with Underdrains (DA 5 DMA B)

BMP Type(s) *Compute runoff volume retention from proposed harvest and use BMP (Select BMPs from Table 5-4 of the TGD for WQMP)*	**CMP #5B + Biofiltration DA 5 DMA B**	**BMP Type and DA**	**BMP Type and DA**
[1] Pollutants addressed with BMP *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in Table 5-5 of the TGD for WQMP*	*		
[2] Amended soil infiltration rate *Typical ~ 5.0 in/hr*	*		
[3] Amended soil infiltration safety factor *Typical ~ 2.0*	*		
[4] Amended soil design percolation rate (in/hr) P_{design} *= Item 2 / Item 3*	*		
[5] Ponded water drawdown time (hr) *Copy Item 6 from Form 4.2-1*	*		
[6] Maximum ponding depth (ft) *See Table 5-6 of the TGD for WQMP for reference to BMP design details*	*		
[7] Ponding Depth (ft) d_{BMP} *= Minimum of (1/12 * Item 4 * Item 5) or Item 6*	*		
[8] Amended soil surface area (ft^2)	*		
[9] Amended soil depth (ft) *See Table 5-6 of the TGD for WQMP for reference to BMP design details*	*		
[10] Amended soil porosity, *n*	*		
[11] Gravel depth (ft) *See Table 5-6 of the TGD for WQMP for reference to BMP design details*	*		
[12] Gravel porosity, *n*	*		
[13] Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	*		
[14] Biotreated Volume (ft^3) $V_{biotreated}$ *= Item 8 * [(Item 7/2) + (Item 9 * Item 10) +(Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	*429 + 58,961 = 59,390		
[15] Total biotreated volume from bioretention and/or planter box with underdrains BMP: 59,390 *Sum of Item 14 for all volume-based BMPs included in this form*			

Form 4.3-7 Volume Based Biotreatment – Constructed Wetlands and Extended Detention

Biotreatment BMP Type *Constructed wetlands, extended wet detention, extended dry detention, or other comparable proprietary BMP. If BMP includes multiple modules (e.g. forebay and main basin), provide separate estimates for storage and pollutants treated in each module.*	**BMP Type and DA**		**BMP Type and DA**		**BMP Type and DA**	
	Forebay	**Basin**	**Forebay**	**Basin**	**Forebay**	**Basin**
[1] **Pollutants addressed with BMP forebay and basin** *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in Table 5-5 of the TGD for WQMP*						
[2] **Bottom width (ft)**						
[3] **Bottom length (ft)**						
[4] **Bottom area (ft^2)** *A_{bottom} = Item 2 * Item 3*						
[5] **Side slope (ft/ft)**						
[6] **Depth of storage (ft)**						
[7] **Water surface area (ft2)** *$A_{surface}$ = (Item 2 + (2 * Item 5 * Item 6)) * (Item 3 + (2 * Item 5 * Item 6))*						
[8] **Storage volume (ft3)** *For BMP with a forebay, ensure fraction of total storage is within ranges specified in BMP specific fact sheets, see Table 5-6 of the TGD for WQMP for reference to BMP design details V =Item 6 / 3 * [Item 4 + Item 7 + (Item 4 * Item 7)$^{0.5}$]*						
[9] **Drawdown Time (hrs)** *Copy Item 6 from Form 2.1*						
[10] **Outflow rate (cfs)** *Q_{BMP} = (Item $8_{forebay}$ + Item 8_{basin}) / (Item 9 * 3600)*						
[11] **Duration of design storm event (hrs)**						
[12] **Biotreated Volume (ft^3)** *$V_{biotreated}$ = (Item $8_{forebay}$ + Item 8_{basin}) +(Item 10 * Item 11 * 3600)*						
[13] **Total biotreated volume from constructed wetlands, extended dry detention, or extended wet detention:** *(Sum of Item 12 for all BMP included in plan)*						

Form 4.3-8 Flow Based Biotreatment

Biotreatment BMP Type *Vegetated swale, vegetated filter strip, or other comparable proprietary BMP*	**BMP Type and DA**	**BMP Type and DA**	**BMP Type and DA**
[1] **Pollutants addressed with BMP** *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in TGD Table 5-5*			
[2] **Flow depth for water quality treatment (ft)** *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
[3] **Bed slope (ft/ft)** *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
[4] **Manning's roughness coefficient**			
[5] **Bottom width (ft)** *b_w = (Form 4.3-5 Item 6 * Item 4) / (1.49 * Item $2^{1.67}$ * Item $3^{0.5}$)*			
[6] **Side Slope (ft/ft)** *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
[7] **Cross sectional area (ft^2)** *A = (Item 5 * Item 2) + (Item 6 * Item 2^2)*			
[8] **Water quality flow velocity (ft/sec)** *V = Form 4.3-5 Item 6 / Item 7*			
[9] **Hydraulic residence time (min)** *Pollutant specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
[10] **Length of flow based BMP (ft)** *L = Item 8 * Item 9 * 60*			
[11] **Water surface area at water quality flow depth (ft2)** *SA_{top} = (Item 5 + (2 * Item 2 * Item 6)) * Item 10*			

4.3.5 Conformance Summary

Complete Form 4.3-9 to demonstrate how on-site LID DCV is met with proposed site design hydrologic source control, infiltration, harvest and use, and/or biotreatment BMP. The bottom line of the form is used to describe the basis for infeasibility determination for on-site LID BMP to achieve full LID DCV, and provides methods for computing remaining volume to be addressed in an alternative compliance plan. If the project has more than one outlet, then complete additional versions of this form for each outlet.

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 1 DMA A)

[1] **Total LID DCV for the Project (ft^3):** 17,732
Copy Item 7 in Form 4.2-1

[2] **On-site retention with site design hydrologic source control LID BMP (ft^3):** 0
Copy Item 30 in Form 4.3-2

[3] **On-site retention with LID infiltration BMP (ft^3):** 17,775
Copy Item 16 in Form 4.3-3

[4] **On-site retention with LID harvest and use BMP (ft^3):** 0
Copy Item 9 in Form 4.3-4

[5] **On-site biotreatment with volume based biotreatment BMP (ft^3):** 0
Copy Item 3 in Form 4.3-5

[6] **Flow capacity provided by flow based biotreatment BMP (cfs):** 0
Copy Item 6 in Form 4.3-5

[7] **LID BMP performance criteria are achieved if answer to any of the following is "Yes":**

- **Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP:** ☒Yes ☐No
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- **Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV:** ☐Yes ☒No
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- **On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV:** ☐Yes ☒No
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

[8] **If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:**

☐ **Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture.**
Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*

☐ **An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility.**
Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 2 DMA A)

[1] Total LID DCV for the Project (ft^3): 8,320
Copy Item 7 in Form 4.2-1

[2] On-site retention with site design hydrologic source control LID BMP (ft^3): 0
Copy Item 30 in Form 4.3-2

[3] On-site retention with LID infiltration BMP (ft^3): 8,342
Copy Item 16 in Form 4.3-3

[4] On-site retention with LID harvest and use BMP (ft^3): 0
Copy Item 9 in Form 4.3-4

[5] On-site biotreatment with volume based biotreatment BMP (ft^3): 0
Copy Item 3 in Form 4.3-5

[6] Flow capacity provided by flow based biotreatment BMP (cfs): 0
Copy Item 6 in Form 4.3-5

[7] LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- **Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP:** ☒Yes ☐No
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- **Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV:** ☐Yes ☒No
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- **On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV:** ☐Yes ☒No
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

[8] If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

☐ **Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture.**
Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*

☐ **An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility.**
Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 3 DMA A)

[1] Total LID DCV for the Project (ft^3): 12,913
Copy Item 7 in Form 4.2-1

[2] On-site retention with site design hydrologic source control LID BMP (ft^3): 0
Copy Item 30 in Form 4.3-2

[3] On-site retention with LID infiltration BMP (ft^3): 13,018
Copy Item 16 in Form 4.3-3

[4] On-site retention with LID harvest and use BMP (ft^3): 0
Copy Item 9 in Form 4.3-4

[5] On-site biotreatment with volume based biotreatment BMP (ft^3): 0
Copy Item 3 in Form 4.3-5

[6] Flow capacity provided by flow based biotreatment BMP (cfs): 0
Copy Item 6 in Form 4.3-5

[7] LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- **Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP:** ☒Yes ☐No
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- **Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV:** ☐Yes ☒No
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- **On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV:** ☐Yes ☒No
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

[8] If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

☐ **Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture.**
Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*

☐ **An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility.**
Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 3 DMA B)

[1] Total LID DCV for the Project (ft^3): 16,595
Copy Item 7 in Form 4.2-1

[2] On-site retention with site design hydrologic source control LID BMP (ft^3): 0
Copy Item 30 in Form 4.3-2

[3] On-site retention with LID infiltration BMP (ft^3): 16,688
Copy Item 16 in Form 4.3-3

[4] On-site retention with LID harvest and use BMP (ft^3): 0
Copy Item 9 in Form 4.3-4

[5] On-site biotreatment with volume based biotreatment BMP (ft^3): 0
Copy Item 3 in Form 4.3-5

[6] Flow capacity provided by flow based biotreatment BMP (cfs): 0
Copy Item 6 in Form 4.3-5

[7] LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- **Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP:** ☒Yes ☐No
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- **Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV:** ☐Yes ☒No
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- **On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV:** ☐Yes ☒No
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

[8] If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

☐ **Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture.**
Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*

☐ **An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility.**
Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 4 DMA A)

[1] Total LID DCV for the Project (ft^3): 166,193
Copy Item 7 in Form 4.2-1

[2] On-site retention with site design hydrologic source control LID BMP (ft^3): 0
Copy Item 30 in Form 4.3-2

[3] On-site retention with LID infiltration BMP (ft^3): 166,488
Copy Item 16 in Form 4.3-3

[4] On-site retention with LID harvest and use BMP (ft^3): 0
Copy Item 9 in Form 4.3-4

[5] On-site biotreatment with volume based biotreatment BMP (ft^3): 0
Copy Item 3 in Form 4.3-5

[6] Flow capacity provided by flow based biotreatment BMP (cfs): 0
Copy Item 6 in Form 4.3-5

[7] LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- **Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP:** ☒Yes ☐No
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- **Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV:** ☐Yes ☒No
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- **On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV:** ☐Yes ☒No
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

[8] If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

☐ **Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture.**
Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*

☐ **An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility.**
Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 4 DMA B)

[1] Total LID DCV for the Project (ft^3): 77,112
Copy Item 7 in Form 4.2-1

[2] On-site retention with site design hydrologic source control LID BMP (ft^3): 0
Copy Item 30 in Form 4.3-2

[3] On-site retention with LID infiltration BMP (ft^3): 77,160
Copy Item 16 in Form 4.3-3

[4] On-site retention with LID harvest and use BMP (ft^3): 0
Copy Item 9 in Form 4.3-4

[5] On-site biotreatment with volume based biotreatment BMP (ft^3): 0
Copy Item 3 in Form 4.3-5

[6] Flow capacity provided by flow based biotreatment BMP (cfs): 0
Copy Item 6 in Form 4.3-5

[7] LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- **Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP:** ☒Yes ☐No
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- **Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV:** ☐Yes ☒No
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- **On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV:** ☐Yes ☒No
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

[8] If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

☐ **Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture.**
Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*

☐ **An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility.**
Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 5 DMA A)

[1] Total LID DCV for the Project (ft^3): 83,986
Copy Item 7 in Form 4.2-1

[2] On-site retention with site design hydrologic source control LID BMP (ft^3): 0
Copy Item 30 in Form 4.3-2

[3] On-site retention with LID infiltration BMP (ft^3): 84,086
Copy Item 16 in Form 4.3-3

[4] On-site retention with LID harvest and use BMP (ft^3): 0
Copy Item 9 in Form 4.3-4

[5] On-site biotreatment with volume based biotreatment BMP (ft^3): 0
Copy Item 3 in Form 4.3-5

[6] Flow capacity provided by flow based biotreatment BMP (cfs): 0
Copy Item 6 in Form 4.3-5

[7] LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- **Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP:** ☒Yes ☐No
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- **Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV:** ☐Yes ☒No
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- **On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV:** ☐Yes ☒No
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

[8] If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

☐ **Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture.**
Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*

☐ **An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility.**
Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 5 DMA B)

[1] Total LID DCV for the Project (ft^3): 58,925
Copy Item 7 in Form 4.2-1

[2] On-site retention with site design hydrologic source control LID BMP (ft^3): 0
Copy Item 30 in Form 4.3-2

[3] On-site retention with LID infiltration BMP (ft^3): 0
Copy Item 16 in Form 4.3-3

[4] On-site retention with LID harvest and use BMP (ft^3): 0
Copy Item 9 in Form 4.3-4

[5] On-site biotreatment with volume based biotreatment BMP (ft^3): 59,390
Copy Item 3 in Form 4.3-5

[6] Flow capacity provided by flow based biotreatment BMP (cfs): 0
Copy Item 6 in Form 4.3-5

[7] LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- **Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP:** ☐Yes ☒No
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- **Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV:** ☐Yes ☒No
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- **On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV:** ☒Yes ☐No
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

[8] If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

☐ **Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture.**
Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*

☐ **An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility.**
Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

4.3.6 Hydromodification Control BMP

Use Form 4.3-10 to compute the remaining runoff volume retention, after LID BMP are implemented, needed to address HCOC, and the increase in time of concentration and decrease in peak runoff necessary to meet targets for protection of waterbodies with a potential HCOC. Describe hydromodification control BMP that address HCOC, which may include off-site BMP and/or in-stream controls. Section 5.6 of the TGD for WQMP provides additional details on selection and evaluation of hydromodification control BMP.

Form 4.3-10 Hydromodification Control BMPs (DA 1)

[1] **Volume reduction needed for HCOC performance criteria (ft^3):** *(Form 4.2-2 Item 4 * 0.95) – Form 4.2-2 Item 1*	[2] **On-site retention with site design hydrologic source control, infiltration, and harvest and use LID BMP (ft^3):** *Sum of Form 4.3-9 Items 2, 3, and 4. Evaluate option to increase implementation of on-site retention in Forms 4.3-2, 4.3-3, and 4.3-4 in excess of LID DCV toward achieving HCOC volume reduction*
[3] **Remaining volume for HCOC volume capture (ft^3):** *Item 1 – Item 2*	[4] **Volume capture provided by incorporating additional on-site or off-site retention BMPs (ft^3):** *Existing downstream BMP may be used to demonstrate additional volume capture (if so, attach to this WQMP a hydrologic analysis showing how the additional volume would be retained during a 2-yr storm event for the regional watershed)*

[5] **If Item 4 is less than Item 3, incorporate in-stream controls on downstream waterbody segment to prevent impacts due to hydromodification** ☐
Attach in-stream control BMP selection and evaluation to this WQMP

[6] **Is Form 4.2-2 Item 11 less than or equal to 5%:** ☐Yes ☐No
If yes, HCOC performance criteria is achieved. If no, select one or more mitigation options below:

☐ **Demonstrate increase in time of concentration achieved by proposed LID site design, LID BMP, and additional on-site or off-site retention BMP.**
BMP upstream of a waterbody segment with a potential HCOC may be used to demonstrate increased time of concentration through hydrograph attenuation (if so, show that the hydraulic residence time provided in BMP for a 2-year storm event is equal or greater than the addition time of concentration requirement in Form 4.2-4 Item 15)

☐ **Increase time of concentration by preserving pre-developed flow path and/or increase travel time by reducing slope and increasing cross-sectional area and roughness for proposed on-site conveyance facilities.**

- ☐ **Incorporate appropriate in-stream controls for downstream waterbody segment to prevent impacts due to hydromodification, in a plan approved and signed by a licensed engineer in the State of California.**

[7] **Form 4.2-2 Item 12 less than or equal to 5%:** ☐Yes ☐No
If yes, HCOC performance criteria are achieved. If no, select one or more mitigation options below:

☐ **Demonstrate reduction in peak runoff achieved by proposed LID site design, LID BMPs, and additional on-site or off-site retention BMPs.**
BMPs upstream of a waterbody segment with a potential HCOC may be used to demonstrate additional peak runoff reduction through hydrograph attenuation (if so, attach to this WQMP, a hydrograph analysis showing how the peak runoff would be reduced during a 2-yr storm event)

- ☐ **Incorporate appropriate in-stream controls for downstream waterbody segment to prevent impacts due to hydromodification, in a plan approved and signed by a licensed engineer in the State of California.**

4.4 Alternative Compliance Plan (if applicable)

Describe an alternative compliance plan (if applicable) for projects not fully able to infiltrate, harvest and use, or biotreat the DCV via on-site LID practices. A project proponent must develop an alternative compliance plan to address the remainder of the LID DCV. Depending on project type some projects may qualify for water quality credits that can be applied to reduce the DCV that must be treated prior to development of an alternative compliance plan (see Form 2.4-1, Water Quality Credits). Form 4.3-9 Item 8 includes instructions on how to apply water quality credits when computing the DCV that must be met through alternative compliance. Alternative compliance plans may include one or more of the following elements:

- On-site structural treatment control BMP - All treatment control BMP should be located as close to possible to the pollutant sources and should not be located within receiving waters;
- Off-site structural treatment control BMP - Pollutant removal should occur prior to discharge of runoff to receiving waters;
- Urban runoff fund or In-lieu program, if available

Depending upon the proposed alternative compliance plan, approval by the executive officer may or may not be required (see Section 6 of the TGD for WQMP).

Section 5 Inspection and Maintenance Responsibility for Post Construction BMP

All BMP included as part of the project WQMP are required to be maintained through regular scheduled inspection and maintenance (refer to Section 8, Post Construction BMP Requirements, in the TGD for WQMP). Fully complete Form 5-1 summarizing all BMP included in the WQMP. Attach additional forms as needed. The WQMP shall also include a detailed Operation and Maintenance Plan for all BMP and may require a Maintenance Agreement (consult the jurisdiction's LIP). If a Maintenance Agreement is required, it must also be attached to the WQMP.

Form 5-1 BMP Inspection and Maintenance

BMP	Responsible Party(ies)	Inspection/Maintenance Activities Required	Minimum Frequency of Activities
Contech CMP Underground System	Owner	Contech recommends ongoing quarterly inspections of the accumulated sediment. All systems shall be designed with an access/inspection manhole situated at or near the inlet and the outlet orifice. Maintaining the system should be scheduled during dry weather.	Inspections shall be done quarterly. Maintenance shall be scheduled when accumulated sediment or trash is clogging the discharge orifice.
Proprietary Biofiltration System	Owner	Remove trash from Screening Device, sediment from Separation Chamber and replace cartridge Filter Media, and Drain Down Filter Media. The owner should keep maintenance/inspection record(s) for a minimum of five years from the date of maintenance. These records should be made available to the governing municipality for inspection upon request at any time. Transport all debris, trash, organics and sediments to approved facility for disposal in accordance with local and state requirements.	Average maintenance interval of 6 to 12 months for removing trash from Screening Device. Average interval of 12 to 24 months for removing sediment, replacing Cartridge Filter Media, replacing Drain Down Filter Media and trimming vegetation.
Drain Inserts	Owner	Visually inspect for defects and illegal dumping. Notify proper authorities if illegal dumping has occurred. Using an industrial vacuum, the collected materials shall be removed from the filter basket and disposed of properly. Inspect biosorb hydrocarbon boom and replace as necessary.	Four times per year or following any rain event that would potentially accumulate a large amount of debris in the system. Replace boom twice per year, at a minimum.
Storm Drain Stenciled Message	Owner	Visually inspect for legibility and replace or repaint as necessary.	Annually
N1: Education of Property Owners, Tenants and Occupants on Stormwater BMPs	Owner	Property owner will familiarize him/herself with the educational materials in Attachment "E" and the contents of the WQMP.	Annually (January) for all employees and within 2 months for new hires.

Form 5-1 BMP Inspection and Maintenance

N2: Activity Restrictions	Owner	Activities are restricted to only those for which a BMP has been implemented. The owner shall develop ongoing activity restrictions that include those that have the potential to create adverse impacts on water quality. Activities include, but are not limited to: handling and disposal of contaminants, fertilizer and pesticide application restrictions, litter control and pick-up, and vehicle or equipment repair as well as any other activities that may potentially contribute to water pollution.	Ongoing
N3: Landscape Management BMPs	Owner	Irrigation must be consistent with City's Water Conservation Ordinance. Fertilizer and pesticide usage will be consistent with County Management Guidelines for Use of Fertilizers and Pesticides.	Ongoing
N4: BMP Maintenance	Owner	BMP maintenance, implementation schedules, and responsible parties are included with each specific BMP narrative.	As described in each BMP listed within this form.
N7: Spill Contingency Plan	Owner	Owner/tenant will have a spill contingency plan, a separate document, based on specific site needs.	Ongoing
N10: Uniform Fire Code Implementation	Owner	If applicable, owner will comply with Article 80 of the Uniform Fire Code enforced by the fire protection agency. The facility operators will be educated annually regarding requirements for handling, storage and proper disposal of hazardous substances.	Ongoing
N11: Litter/Debris Control Program	Owner	Contract with their landscape maintenance firm to provide this service during regularly schedule maintenance. They are required to implement trash management and litter control procedures in the common areas aimed at reducing pollution of drainage water.	Weekly
N12: Employee Training	Owner	The owner will ensure that tenants are also familiar with onsite BMPs and necessary maintenance required of the tenants. Owner will check with City and County at least once a year to obtain new or updated educational materials and provide these materials to tenants. Employees shall be trained to clean up spills and participate in ongoing maintenance. The WQMP requires annual employee training and new hires within 2 months.	Annually (January) for all employees and within 2 months for new hires.
N13: Housekeeping of Loading Docks	Owner	Keep all fluids indoors. Clean up spills immediately and keep spills from entering storm drain system. No direct discharges into the storm drain system. Area shall be inspected weekly for proper containment and practices with spills cleaned up immediately and disposed of properly.	Ongoing
N14: Catch Basin Inspection Program	Owner	Monthly inspection by property owner's designee. Inspection consists of immediate repair of any deterioration of the structures and maintenance of drain inserts before and after major rain events. Drain insert maintenance shall be per manufacturer's guidelines.	Monthly inspection and maintain as necessary.

Form 5-1 BMP Inspection and Maintenance			
N15: Vacuum Sweeping of Private Streets and Parking Lots	Owner	All landscape maintenance contractors will be required to sweep up all landscape cuttings, mowings and fertilizer materials off paved areas weekly and dispose of properly. Parking areas and drive ways will be swept monthly by sweeping contractor.	Monthly
N17: Comply with all other applicable NPDES permits	Owner	Will comply with Construction General Permit and Industrial General Permit (may apply for No Exposure Certification/NEC).	Ongoing
S1: Provide storm drain system stenciling and signage (CASQA New Development BMP Handbook SD-13)	Owner	"No Dumping – Drains to River" stencils will be applied. Legibility of stencil will be maintained on a yearly basis.	Annually (January)
S3: Design and construct trash and waste storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-32)	Owner	Paved with an impervious surface, designed not to allow run-on from adjoining areas, designed to divert drainage from adjoining roofs and pavements diverted around the area, screened or walled to prevent off-site transport of trash. Detail to be provided once available.	Ongoing
S4: Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control (Statewide Model Landscape Ordinance; CASQA New Development BMP Handbook SD-12)	Owner	Irrigation systems shall include reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines. Timers will be used to avoid over watering and watering cycles and duration shall be adjusted seasonally by the landscape maintenance contractor. The landscaping areas will be grouped with plants that have similar water requirements. Native or drought tolerant species shall also be used where appropriate to reduce excess irrigation runoff and promote surface filtration.	Adjust watering cycles and duration seasonally / quarterly (Oct, Jan, Apr, and Jul).

Section 6 WQMP Attachments

6.1 Site Plan and Drainage Plan

Include a site plan and drainage plan sheet set containing the following minimum information:

- Project location
- Site boundary
- Land uses and land covers, as applicable
- Suitability/feasibility constraints
- Structural Source Control BMP locations
- Site Design Hydrologic Source Control BMP locations
- LID BMP details
- Drainage delineations and flow information
- Drainage connections

See Attachment C for Site and Drainage Plan.

6.2 Electronic Data Submittal

Minimum requirements include submittal of PDF exhibits in addition to hard copies. Format must not require specialized software to open. If the local jurisdiction requires specialized electronic document formats (consult the LIP), this section will describe the contents (e.g., layering, nomenclature, geo-referencing, etc.) of these documents so that they may be interpreted efficiently and accurately.

6.3 Post Construction

Attach all O&M Plans and Memorandum of Agreement for BMP to the WQMP (Attachment D).

6.4 Other Supporting Documentation

- BMP Educational Materials (Attachment E)
- Soil/Infiltration Report (Attachment F)
- BMP Maintenance Material (Attachment G)
- Conditions of Approval (Attachment H)
- Class V Injection Well Registration (Attachment I)
- Activity Restrictions (Attachment J)
- Excerpt of Subsurface Investigation Report (Attachment K)

Attachment A
Existing Condition Site Photos









Attachment B
BMP Design Calculations & Supporting Documentation

General Information
Homepage
Progress Reports
FAQ
Glossary

Precipitation Frequency
Data Server
GIS Grids
Maps
Time Series
Temporals
Documents

Probable Maximum Precipitation
Documents

Miscellaneous
Publications
Storm Analysis
Record Precipitation

Contact Us
Inquiries

NOAA ATLAS 14 POINT PRECIPITATION FREQUENCY ESTIMATES: CA

Data description

Data type: Precipitation depth | Units: English | Time series type: Partial duration

Select location

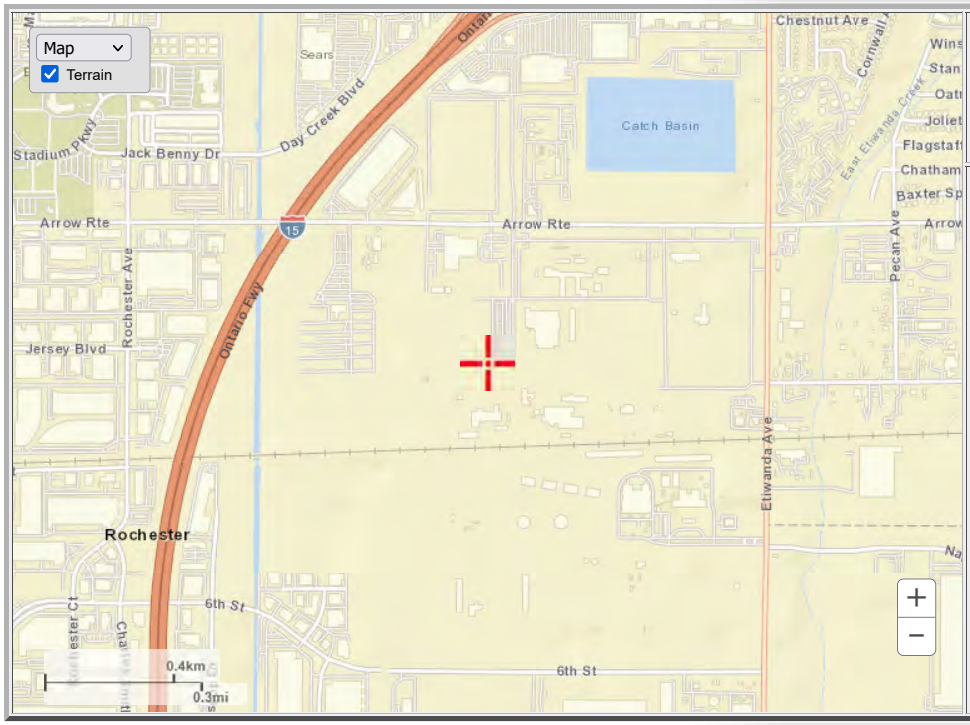
1) Manually:

a) By location (decimal degrees, use "-" for S and W): Latitude: 34.095065 Longitude: -117.53340 Submit

b) By station (list of CA stations): Select station

c) By address: Search

2) Use map (if ESRI interactive map is not loading, try adding the host: **https://js.arcgis.com/** to the firewall, or contact us at hdsc.questions@noaa.gov):



POINT PRECIPITATION FREQUENCY (PF) ESTIMATES

WITH 90% CONFIDENCE INTERVALS AND SUPPLEMENTARY INFORMATION
NOAA Atlas 14, Volume 6, Version 2

PF tabular | PF graphical | Supplementary information

Print page

PDS-based precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.109** (0.091-0.132)	**0.143** (0.119-0.174)	**0.189** (0.157-0.231)	**0.228** (0.188-0.280)	**0.281** (0.224-0.358)	**0.324** (0.252-0.420)	**0.367** (0.279-0.489)	**0.414** (0.305-0.567)	**0.478** (0.337-0.684)	**0.530** (0.361-0.786)
10-min	**0.156** (0.130-0.189)	**0.205** (0.171-0.249)	**0.272** (0.225-0.331)	**0.327** (0.269-0.401)	**0.403** (0.321-0.513)	**0.464** (0.361-0.602)	**0.527** (0.399-0.701)	**0.593** (0.437-0.813)	**0.685** (0.484-0.981)	**0.759** (0.517-1.13)
15-min	**0.188** (0.157-0.228)	**0.248** (0.207-0.301)	**0.328** (0.273-0.400)	**0.395** (0.325-0.485)	**0.488** (0.388-0.620)	**0.561** (0.436-0.728)	**0.637** (0.483-0.848)	**0.717** (0.528-0.983)	**0.829** (0.585-1.19)	**0.918** (0.625-1.36)
30-min	**0.277** (0.231-0.336)	**0.365** (0.304-0.443)	**0.483** (0.401-0.588)	**0.581** (0.478-0.713)	**0.717** (0.570-0.912)	**0.825** (0.642-1.07)	**0.937** (0.710-1.25)	**1.05** (0.777-1.45)	**1.22** (0.860-1.75)	**1.35** (0.920-2.00)
60-min	**0.405** (0.338-0.491)	**0.534** (0.445-0.648)	**0.707** (0.586-0.860)	**0.850** (0.699-1.04)	**1.05** (0.834-1.33)	**1.21** (0.938-1.57)	**1.37** (1.04-1.82)	**1.54** (1.14-2.11)	**1.78** (1.26-2.55)	**1.98** (1.35-2.93)
2-hr	**0.619** (0.516-0.750)	**0.800** (0.666-0.971)	**1.04** (0.863-1.26)	**1.24** (1.02-1.52)	**1.51** (1.20-1.92)	**1.73** (1.34-2.24)	**1.95** (1.48-2.59)	**2.18** (1.61-2.99)	**2.50** (1.77-3.58)	**2.76** (1.88-4.09)
3-hr	**0.792** (0.660-0.959)	**1.02** (0.846-1.23)	**1.31** (1.09-1.60)	**1.55** (1.28-1.91)	**1.89** (1.50-2.40)	**2.15** (1.67-2.79)	**2.41** (1.83-3.21)	**2.69** (1.98-3.69)	**3.07** (2.17-4.40)	**3.38** (2.30-5.01)
6-hr	**1.14** (0.950-1.38)	**1.46** (1.22-1.77)	**1.88** (1.56-2.28)	**2.21** (1.82-2.72)	**2.67** (2.12-3.39)	**3.01** (2.34-3.91)	**3.36** (2.55-4.48)	**3.72** (2.74-5.11)	**4.21** (2.97-6.03)	**4.59** (3.13-6.81)
12-hr	**1.52** (1.26-1.84)	**1.97** (1.64-2.39)	**2.54** (2.11-3.09)	**2.99** (2.46-3.67)	**3.58** (2.84-4.55)	**4.02** (3.13-5.22)	**4.45** (3.38-5.93)	**4.89** (3.60-6.70)	**5.46** (3.86-7.82)	**5.90** (4.01-8.75)

24-hr	**2.04** (1.80-2.35)	**2.70** (2.38-3.11)	**3.52** (3.10-4.07)	**4.16** (3.64-4.85)	**4.99** (4.22-6.01)	**5.59** (4.64-6.88)	**6.18** (5.01-7.79)	**6.77** (5.33-8.76)	**7.52** (5.69-10.1)	**8.08** (5.91-11.3)
2-day	**2.51** (2.22-2.89)	**3.40** (3.01-3.92)	**4.54** (4.00-5.25)	**5.44** (4.76-6.34)	**6.63** (5.61-7.99)	**7.52** (6.24-9.25)	**8.40** (6.80-10.6)	**9.29** (7.32-12.0)	**10.5** (7.91-14.1)	**11.3** (8.30-15.8)
3-day	**2.74** (2.42-3.15)	**3.77** (3.33-4.35)	**5.11** (4.50-5.91)	**6.19** (5.42-7.22)	**7.65** (6.48-9.22)	**8.77** (7.28-10.8)	**9.90** (8.02-12.5)	**11.1** (8.71-14.3)	**12.6** (9.55-17.0)	**13.8** (10.1-19.3)
4-day	**2.99** (2.65-3.45)	**4.15** (3.67-4.79)	**5.68** (5.01-6.57)	**6.93** (6.06-8.08)	**8.63** (7.31-10.4)	**9.95** (8.25-12.2)	**11.3** (9.15-14.2)	**12.7** (9.99-16.4)	**14.6** (11.0-19.7)	**16.1** (11.7-22.4)
7-day	**3.49** (3.09-4.03)	**4.89** (4.33-5.64)	**6.74** (5.95-7.80)	**8.27** (7.24-9.65)	**10.4** (8.78-12.5)	**12.0** (9.96-14.8)	**13.7** (11.1-17.3)	**15.5** (12.2-20.0)	**17.9** (13.5-24.1)	**19.8** (14.5-27.6)
10-day	**3.79** (3.36-4.37)	**5.33** (4.72-6.15)	**7.39** (6.51-8.55)	**9.09** (7.95-10.6)	**11.4** (9.69-13.8)	**13.3** (11.0-16.4)	**15.2** (12.3-19.2)	**17.2** (13.6-22.3)	**20.0** (15.1-26.9)	**22.2** (16.2-30.9)
20-day	**4.39** (3.89-5.06)	**6.27** (5.55-7.24)	**8.82** (7.78-10.2)	**11.0** (9.58-12.8)	**13.9** (11.8-16.8)	**16.3** (13.5-20.1)	**18.8** (15.2-23.7)	**21.4** (16.9-27.8)	**25.1** (19.0-33.9)	**28.1** (20.6-39.2)
30-day	**5.18** (4.59-5.97)	**7.44** (6.58-8.59)	**10.5** (9.28-12.2)	**13.1** (11.5-15.3)	**16.8** (14.2-20.3)	**19.8** (16.4-24.3)	**22.9** (18.5-28.8)	**26.2** (20.7-33.9)	**30.9** (23.4-41.7)	**34.7** (25.4-48.4)
45-day	**6.14** (5.44-7.08)	**8.81** (7.79-10.2)	**12.5** (11.0-14.4)	**15.6** (13.7-18.2)	**20.1** (17.0-24.2)	**23.7** (19.7-29.2)	**27.5** (22.3-34.7)	**31.7** (24.9-41.0)	**37.5** (28.4-50.6)	**42.4** (31.0-59.1)
60-day	**7.14** (6.32-8.23)	**10.2** (8.99-11.7)	**14.4** (12.7-16.6)	**18.0** (15.7-21.0)	**23.1** (19.6-27.9)	**27.3** (22.7-33.6)	**31.8** (25.8-40.1)	**36.7** (28.9-47.5)	**43.7** (33.0-58.9)	**49.4** (36.1-68.9)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Estimates from the table in CSV format: Precipitation frequency estimates Submit

Main Link Categories:
Home | OWP

US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Office of Water Prediction (OWP)
1325 East West Highway
Silver Spring, MD 20910
Page Author: HDSC webmaster
Page last modified: April 21, 2017

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Worksheet H: Factor of Safety and Design Infiltration Rate Worksheet
DA 1 DMA A, DA 3 DMA A & DA 3 DMA B

Factor Category		Factor Description	Assigned Weight (w)	Factor Value (v)	Product (p) p = w x v
A	Suitability Assessment	Soil assessment methods	0.25	1	0.25
		Predominant soil texture	0.25	1	0.25
		Site soil variability	0.25	1	0.25
		Depth to groundwater / impervious layer	0.25	1	0.25
		Suitability Assessment Safety Factor, $S_A = \Sigma p$			1.00
B	Design	Tributary area size	0.25	2	0.50
		Level of pretreatment/ expected sediment loads	0.25	3	0.75
		Redundancy	0.25	3	0.75
		Compaction during construction	0.25	1	0.25
		Design Safety Factor, $S_B = \Sigma p$			2.25
Combined Safety Factor, $S_{TOT} = S_A \times S_B$					2.25
Measured Infiltration Rate, inch/hr, K_M (corrected for test-specific bias)					4.80
Design Infiltration Rate, in/hr, $K_{DESIGN} = K_M / S_{TOT}$					2.13

Supporting Data

Briefly describe infiltration test and provide reference to test forms:

A site-specific infiltration test will be conducted at the location of the infiltration facility to support a minimum measured infiltration result of 4.80 in/hr. The design infiltration rate is 2.13 in/hr after applying the appropriate safety factor. This design rate is suitable for infiltration facilities.

Note: The minimum combined adjustment factor shall not be less than 2.0 and the maximum combined adjustment factor shall not exceed 9.0.

Worksheet H: Factor of Safety and Design Infiltration Rate Worksheet
DA 2 DMA A

Factor Category		Factor Description	Assigned Weight (w)	Factor Value (v)	Product (p) p = w x v
A	Suitability Assessment	Soil assessment methods	0.25	1	0.25
		Predominant soil texture	0.25	1	0.25
		Site soil variability	0.25	1	0.25
		Depth to groundwater / impervious layer	0.25	1	0.25
		Suitability Assessment Safety Factor, $S_A = \Sigma p$			1.00
B	Design	Tributary area size	0.25	1	0.25
		Level of pretreatment/ expected sediment loads	0.25	3	0.75
		Redundancy	0.25	3	0.75
		Compaction during construction	0.25	1	0.25
		Design Safety Factor, $S_B = \Sigma p$			2.0

Combined Safety Factor, $S_{TOT} = S_A \times S_B$	2.0
Measured Infiltration Rate, inch/hr, K_M (corrected for test-specific bias)	4.20
Design Infiltration Rate, in/hr, $K_{DESIGN} = K_M / S_{TOT}$	2.10

Supporting Data

Briefly describe infiltration test and provide reference to test forms:

A site-specific infiltration test will be conducted at the location of the infiltration facility to support a minimum measured infiltration result of 4.20 in/hr. The design infiltration rate is 2.10 in/hr after applying the appropriate safety factor. This design rate is suitable for infiltration facilities.

Note: The minimum combined adjustment factor shall not be less than 2.0 and the maximum combined adjustment factor shall not exceed 9.0.

Worksheet H: Factor of Safety and Design Infiltration Rate Worksheet
DA 4 DMA A

Factor Category		Factor Description	Assigned Weight (w)	Factor Value (v)	Product (p) p = w x v
A	Suitability Assessment	Soil assessment methods	0.25	1	0.25
		Predominant soil texture	0.25	1	0.25
		Site soil variability	0.25	1	0.25
		Depth to groundwater / impervious layer	0.25	1	0.25
		Suitability Assessment Safety Factor, $S_A = \Sigma p$			1.00
B	Design	Tributary area size	0.25	3	0.75
		Level of pretreatment/ expected sediment loads	0.25	3	0.75
		Redundancy	0.25	3	0.75
		Compaction during construction	0.25	1	0.25
		Design Safety Factor, $S_B = \Sigma p$			2.50

Combined Safety Factor, $S_{TOT} = S_A \times S_B$	2.50
Measured Infiltration Rate, inch/hr, K_M (corrected for test-specific bias)	5.25
Design Infiltration Rate, in/hr, $K_{DESIGN} = K_M / S_{TOT}$	2.10

Supporting Data

Briefly describe infiltration test and provide reference to test forms:

A site-specific infiltration test will be conducted at the location of the infiltration facility to support a minimum measured infiltration result of 5.25 in/hr. The design infiltration rate is 2.10 in/hr after applying the appropriate safety factor. This design rate is suitable for infiltration facilities.

Note: The minimum combined adjustment factor shall not be less than 2.0 and the maximum combined adjustment factor shall not exceed 9.0.

Worksheet H: Factor of Safety and Design Infiltration Rate Worksheet
DA 4 DMA B

Factor Category		Factor Description	Assigned Weight (w)	Factor Value (v)	Product (p) p = w x v
A	Suitability Assessment	Soil assessment methods	0.25	1	0.25
		Predominant soil texture	0.25	1	0.25
		Site soil variability	0.25	1	0.25
		Depth to groundwater / impervious layer	0.25	1	0.25
		Suitability Assessment Safety Factor, $S_A = \Sigma p$			1.00
B	Design	Tributary area size	0.25	3	0.75
		Level of pretreatment/ expected sediment loads	0.25	3	0.75
		Redundancy	0.25	3	0.75
		Compaction during construction	0.25	1	0.25
		Design Safety Factor, $S_B = \Sigma p$			2.50

Combined Safety Factor, $S_{TOT} = S_A \times S_B$	2.50
Measured Infiltration Rate, inch/hr, K_M (corrected for test-specific bias)	1.0
Design Infiltration Rate, in/hr, $K_{DESIGN} = K_M / S_{TOT}$	0.4

Supporting Data

Briefly describe infiltration test and provide reference to test forms:

A site-specific infiltration test has been conducted at the location of the infiltration facility to support a minimum measured infiltration result of 1.0 in/hr. The design infiltration rate is 0.4 in/hr after applying the appropriate safety factor. This design rate is suitable for infiltration facilities.

Note: The minimum combined adjustment factor shall not be less than 2.0 and the maximum combined adjustment factor shall not exceed 9.0.

Worksheet H: Factor of Safety and Design Infiltration Rate Worksheet
DA 5 DMA A

Factor Category		Factor Description	Assigned Weight (w)	Factor Value (v)	Product (p) p = w x v
A	Suitability Assessment	Soil assessment methods	0.25	1	0.25
		Predominant soil texture	0.25	1	0.25
		Site soil variability	0.25	1	0.25
		Depth to groundwater / impervious layer	0.25	1	0.25
		Suitability Assessment Safety Factor, $S_A = \Sigma p$			1.00
B	Design	Tributary area size	0.25	3	0.75
		Level of pretreatment/ expected sediment loads	0.25	3	0.75
		Redundancy	0.25	3	0.75
		Compaction during construction	0.25	1	0.25
		Design Safety Factor, $S_B = \Sigma p$			2.50
Combined Safety Factor, $S_{TOT} = S_A \times S_B$					2.50
Measured Infiltration Rate, inch/hr, K_M (corrected for test-specific bias)					2.5
Design Infiltration Rate, in/hr, $K_{DESIGN} = K_M / S_{TOT}$					1.0

Supporting Data

Briefly describe infiltration test and provide reference to test forms:

A site-specific infiltration test has been conducted at the project site to support a minimum measured infiltration result of 2.5 in/hr. The design infiltration rate is 1.0 in/hr after applying the appropriate safety factor. This design rate is suitable for infiltration facilities.

Note: The minimum combined adjustment factor shall not be less than 2.0 and the maximum combined adjustment factor shall not exceed 9.0.

VOLUME-BASED BMP DESIGN

$C_{BMP} = 0.858(imp)^3 - 0.78(imp)^2 + 0.774(imp) + 0.04$
P6 = (0.534)(1.4807) = 0.791 inches
P0 = (1.963)(C_{BMP})(0.791)
DCV = (P0 * Area) / 12

DA 1 DMA A – CONTECH PERFORATED CMP #1

Region		Valley	
Drainage Area (acres)		3.90	acres
Drainage Area (sq-ft)		169,884	sq-ft
Impervious Coeff	i =	0.95	< 1.0
Runoff Coeff	**C =**	0.807	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		17,732	cu-ft
DCV		0.407	acre-ft

Assumed design infiltration rate = 2.13 in/hr
d_{max} = 102.24 inches = Design infiltration rate x 48 hours = 2.13 in/hr x 48 hrs
d_{BMP} = 100.8 inches = [(6 inches + 6 inches) x 0.40] + 96 inches
$d_{max} > d_{BMP}$

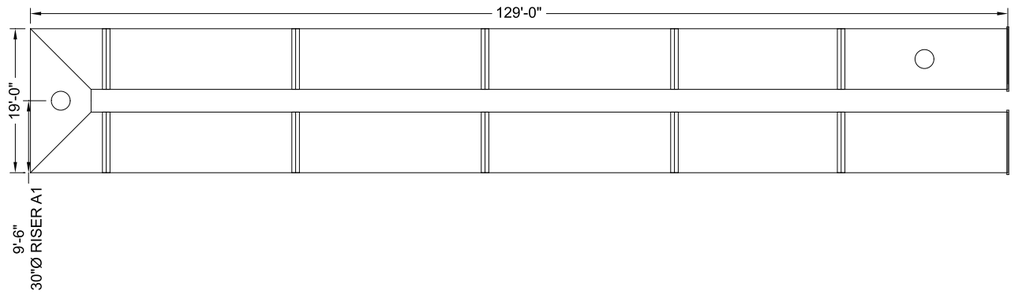
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 261 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 17,732 CF
- PIPE STORAGE VOLUME = 13,119 CF
- BACKFILL STORAGE VOLUME = 4,656 CF
- TOTAL STORAGE PROVIDED = 17,775 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
- THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

ASSEMBLY
SCALE: 1" = 20'

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CONTECH® CMP DETENTION SYSTEMS
CONTECH **DYODS** DRAWING

YO30696 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 1 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
20705	30696	5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

DA 2 DMA A – CONTECH PERFORATED CMP #2

Region		Valley	
Drainage Area (acres)		1.83	acres
Drainage Area (sq-ft)		79,715	sq-ft
Impervious Coeff	i =	0.95	< 1.0
Runoff Coeff	**C =**	0.807	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		8,320	cu-ft
DCV		0.191	acre-ft

Assumed design infiltration rate = 2.10 in/hr

d_{max} = 100.8 inches = Design infiltration rate x 48 hours = 2.10 in/hr x 48 hrs

d_{BMP} = 100.8 inches = [(6 inches + 6 inches) x 0.40] + 96 inches

$d_{max} > d_{BMP}$

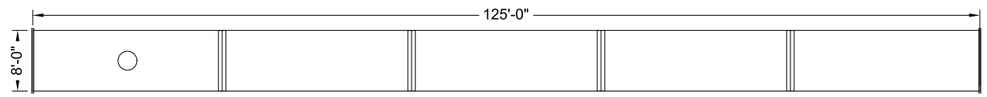
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 125 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 8,320 CF
- PIPE STORAGE VOLUME = 6,283 CF
- BACKFILL STORAGE VOLUME = 2,059 CF
- TOTAL STORAGE PROVIDED = 8,342 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
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ASSEMBLY
SCALE: 1" = 20'

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DATE	REVISION DESCRIPTION	BY

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CONTECH® CMP DETENTION SYSTEMS

CONTECH **DYODS** DRAWING

DYO30702 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 2 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
20705	30702	4/26/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

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DA 3 DMA A – CONTECH PERFORATED CMP #3A

Region		Valley	
Drainage Area (acres)		2.84	acres
Drainage Area (sq-ft)		123,710	sq-ft
Impervious Coeff	i =	0.95	< 1.0
Runoff Coeff	**C =**	0.807	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		12,913	cu-ft
DCV		0.296	acre-ft

Assumed design infiltration rate = 2.13 in/hr

d_{max} = 102.24 inches = Design infiltration rate x 48 hours = 2.13 in/hr x 48 hrs

d_{BMP} = 100.8 inches = [(6 inches + 6 inches) x 0.40] + 96 inches

$d_{max} > d_{BMP}$

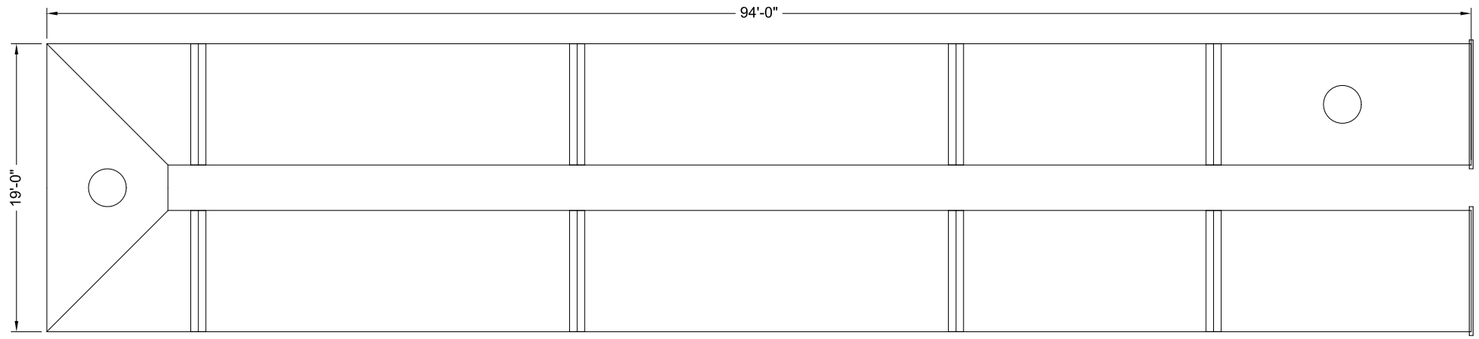
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 191 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 12,913 CF
- PIPE STORAGE VOLUME = 9,601 CF
- BACKFILL STORAGE VOLUME = 3,417 CF
- TOTAL STORAGE PROVIDED = 13,018 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



ASSEMBLY
SCALE: 1" = 10'

NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
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CONTECH® CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

DYO30703 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 3 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
20705	30703	5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

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DA 3 DMA B – CONTECH PERFORATED CMP #3B

Region		Valley	
Drainage Area (acres)		3.65	acres
Drainage Area (sq-ft)		158,994	sq-ft
Impervious Coeff	i =	0.95	< 1.0
Runoff Coeff	**C =**	0.807	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		16,595	cu-ft
DCV		0.381	acre-ft

Assumed design infiltration rate = 2.13 in/hr

d_{max} = 102.24 inches = Design infiltration rate x 48 hours = 2.13 in/hr x 48 hrs

d_{BMP} = 100.8 inches = [(6 inches + 6 inches) x 0.40] + 96 inches

$d_{max} > d_{BMP}$

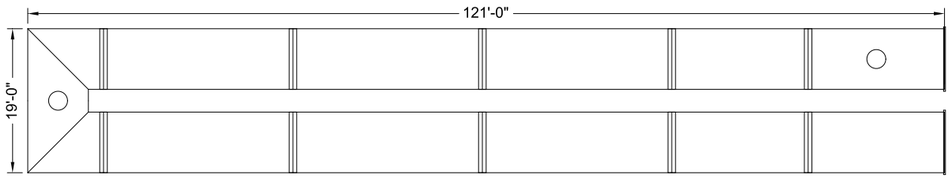
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 245 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 16,595 CF
- PIPE STORAGE VOLUME = 12,315 CF
- BACKFILL STORAGE VOLUME = 4,373 CF
- TOTAL STORAGE PROVIDED = 16,688 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

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- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY
SCALE: 1" = 20'

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CONTECH® CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

YO30706 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 3 DMA B
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
20705	30706	4/24/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

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DA 4 DMA A – CONTECH PERFORATED CMP #4A

Region		Valley	
Drainage Area (acres)		28.24	acres
Drainage Area (sq-ft)		1,230,134	sq-ft
Impervious Coeff	i =	0.95	< 1.0
Runoff Coeff	**C =**	0.807	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		128,399	cu-ft
DCV		2.948	acre-ft

ROW IMPROVEMENTS – CONTECH PERFORATED CMP #4A

Region		Valley	
Drainage Area (acres)		7.52	acres
Drainage Area (sq-ft)		327,571	sq-ft
Impervious Coeff	i =	1	< 1.0
Runoff Coeff	**C =**	0.892	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		37,794	cu-ft
DCV		0.868	acre-ft

Total DCV = 128,399 cu-ft + 37,794 cu-ft = 166,193 cu-ft

Assumed design infiltration rate = 2.10 in/hr

d_{max} = 100.8 inches = Design infiltration rate x 48 hours = 2.10 in/hr x 48 hrs

d_{BMP} = 100.8 inches = [(6 inches + 6 inches) x 0.40] + 96 inches

$d_{max} > d_{BMP}$

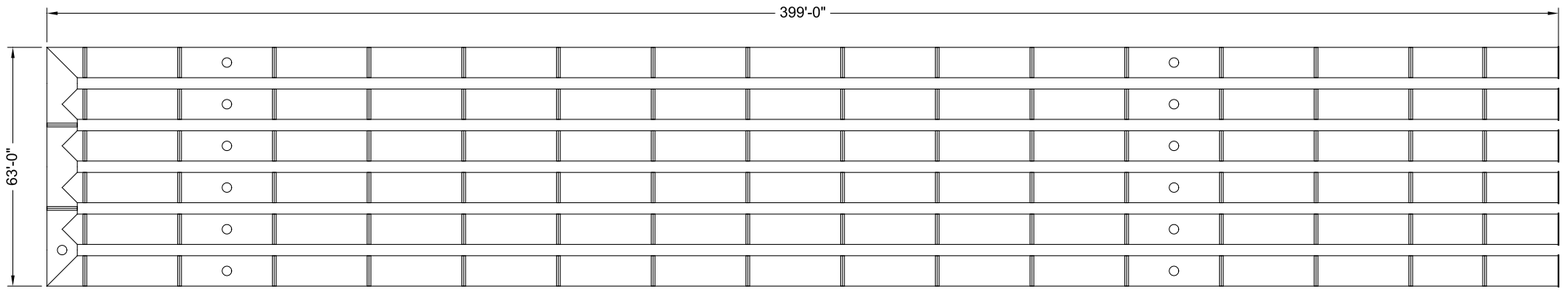
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 2,409 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 166,193 CF
- PIPE STORAGE VOLUME = 121,090 CF
- BACKFILL STORAGE VOLUME = 45,398 CF
- TOTAL STORAGE PROVIDED = 166,488 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY
SCALE: 1" = 40'

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CONTECH DYODS DRAWING

DYO30736 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 4 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
20705	30736	5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

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DA 4 DMA B – CONTECH PERFORATED CMP #4B

Region		Valley	
Drainage Area (acres)		16.96	acres
Drainage Area (sq-ft)		738,778	sq-ft
Impervious Coeff	i =	0.95	< 1.0
Runoff Coeff	**C =**	0.807	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		77,112	cu-ft
DCV		1.770	acre-ft

Design infiltration rate = 0.4 in/hr

d_{max} = 19.2 inches = Design infiltration rate x 48 hours = 0.4 in/hr x 48 hrs

d_{BMP} = 19.2 inches = [(6 inches + 12 inches) x 0.40] + 12 inches

$d_{max} > d_{BMP}$

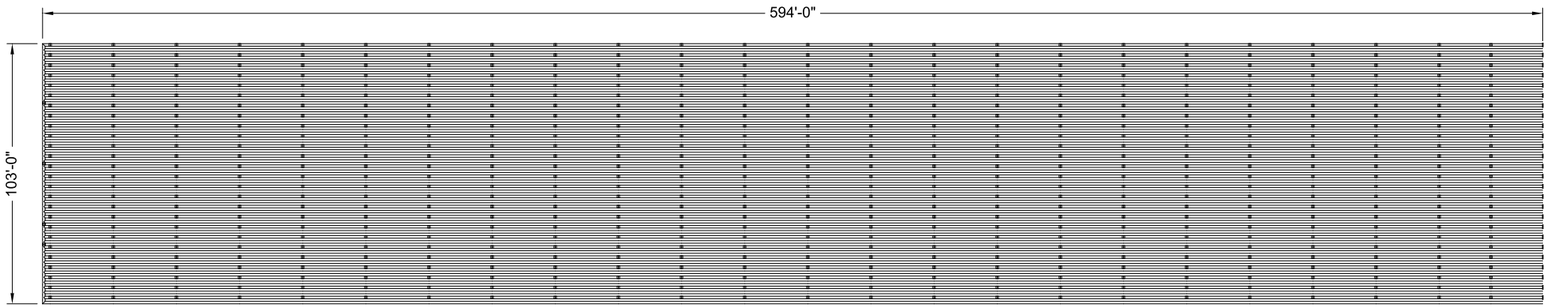
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 30,939 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 77,112 CF
- PIPE STORAGE VOLUME = 24,299 CF
- BACKFILL STORAGE VOLUME = 52,860 CF
- TOTAL STORAGE PROVIDED = 77,160 CF

PIPE DETAILS
- DIAMETER = 12"
- CORRUGATION = 2 2/3x1/2
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 12"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 12"



NOTES

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- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE 2⅔" x ½" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY

SCALE: 1" = 60'

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CONTECH® CMP DETENTION SYSTEMS

CONTECH **DYODS** DRAWING

PROJECT NO.: 20705 | SEQ. No.: 30854 | DATE: 5/2/2023

DYO30854 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 4 DMA B
Rancho Cucamonga, CA
DETENTION SYSTEM

DESIGNED:	DRAWN:
DYO	DYO
CHECKED:	APPROVED:
DYO	DYO

SHEET NO.: 1

DA 5 DMA A – CONTECH PERFORATED CMP #5A

Region		Valley	
Drainage Area (acres)		10.27	acres
Drainage Area (sq-ft)		447,361	sq-ft
Impervious Coeff	i =	0.95	< 1.0
Runoff Coeff	**C =**	0.807	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		46,695	cu-ft
DCV		1.072	acre-ft

ROW IMPROVEMENTS – CONTECH PERFORATED CMP #5A

Region		Valley	
Drainage Area (acres)		7.42	acres
Drainage Area (sq-ft)		323,215	sq-ft
Impervious Coeff	i =	1	< 1.0
Runoff Coeff	**C =**	0.892	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		37,291	cu-ft
DCV		0.856	acre-ft

Total DCV = 46,695 cu-ft + 37,291 cu-ft = 83,986 cu-ft

Design infiltration rate = 1.0 in/hr

d_{max} = 48 inches = Design infiltration rate x 48 hours = 1.0 in/hr x 48 hrs

d_{BMP} = 46.8 inches = [(6 inches + 6 inches) x 0.40] + 42 inches

$d_{max} > d_{BMP}$

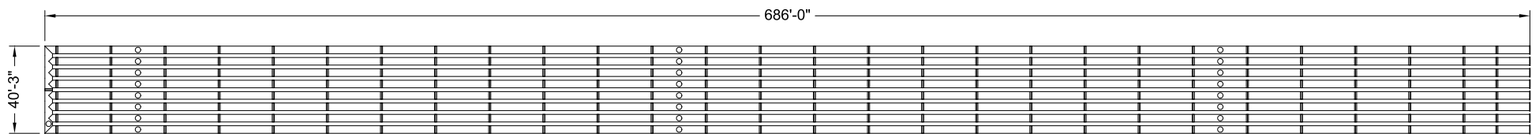
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 5,500 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 83,986 CF
- PIPE STORAGE VOLUME = 52,919 CF
- BACKFILL STORAGE VOLUME = 31,168 CF
- TOTAL STORAGE PROVIDED = 84,086 CF

PIPE DETAILS
- DIAMETER = 42"
- CORRUGATION = 2 2/3x1/2
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 21"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

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- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY

SCALE: 1" = 70'

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CONTECH® CMP DETENTION SYSTEMS

CONTECH **DYODS** DRAWING

YO30856 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 5 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
20705	30856	5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

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DA 5 DMA B – CONTECH SOLID CMP #5B AND PROPRIETARY BIOFILTRATION UNIT

Region		Valley	
Drainage Area (acres)		12.96	acres
Drainage Area (sq-ft)		564,538	sq-ft
Impervious Coeff	i =	0.95	< 1.0
Runoff Coeff	**C =**	0.807	
1-hr 2-yr from NOAA		0.534	
P6 Coeff		1.4807	
Mean 6-hr (P6)		0.791	
Drawdown Rate (a)		1.963	
DCV		58,925	cu-ft
DCV		1.353	acre-ft

MWS VOLUME BASED SIZING SHEET

Project Information

Project ID	
Project Name	Arrow Route and Yellowwood Road (DA 5 DMA B)
Project Location	Rancho Cucamonga, CA
Date	4/26/2023



Horizontal Flow Biofiltration System

SIZING CALCULATIONS	Inputs	Units	Notes/References
Impervious Area			
BMP Drainage Area (not required - manual entry - not part of formula)	12.96	Acres	This includes all areas that will contribute runoff to the proposed BMP, including pervious areas, impervious areas, and off-site areas, whether or not they are directly or indirectly connected to the BMP.
Watershed Impervious Ratio (not required - manual entry - not part of formula)			Watershed Imperviousness Ratio", is equal to the percent of total impervious area in the "BMP Drainage Area" divided by 100
Runoff Coefficient "C" (not required - manual entry - not part of formula)			
Water Quality Volume (required)	58925	cubic feet	Use sizing procedures provided by state or local agencies to determine the appropriate Water Quality Volume. Intensities and design storms vary widely by region and method.
Design Storm Duration	0	hours	Varies depending on geographical region. Set at 0 for pump system set up. LA County 3 hours. Call for details.
MWS Sizing			
WetlandMod Model Number (from matrix)	MWS-L-10-20		Please choose size from "Model Size Matrix" Tab
HGL	3.4		Treatment Hydraulic Grade Line
# Of Units	2	quantity	Select the number of systems required to treat the water quality volume. Will very depending on drain down time regulaitons.
Discharge Rate (from matrix)	78.50	gallons/minute	Loading Rate of 0.26 gpm/sq ft or 25 in/hr. Field Verified.
Volume Treated During Event			
Processed through MWS - Linear	0	cubic feet	156.9984 gals/minute
Volume Treated Following Event			
MWS Static Capacity (from matrix)	428.67	cubic feet	
Volume Needed in *Pre-Storage*	58496	cubic feet	Set at zero to start. Size pre-storage system to hold this volume
			Sizing complete when eqaul to value of zero.
TOTAL STORMWATER TREATED	58925	cubic feet	Note: This amount should be equal to the "Water Quality Volume"
Drain Down Time	46.92	hours	Drain down time must be equal to or less than requirement of local juristiction. Default 48 hours.

Feel free to call or email proposed sizing calculations to Modular Wetlands Systems for assistance with sizing, compliance, and design.

Phone: 1-800-338-1122

Email: info@conteches.com

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A QUIKRETE® COMPANY

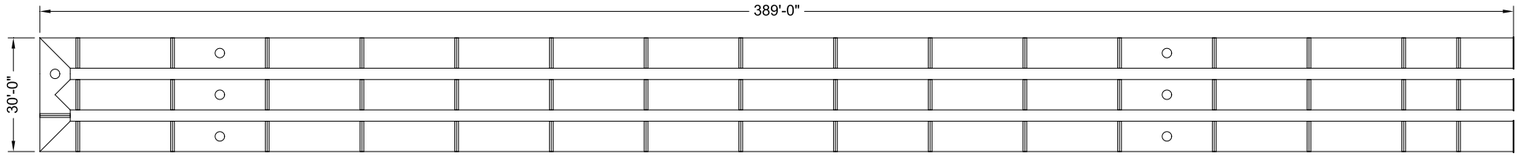
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 1,173 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 58,925 CF
- PIPE STORAGE VOLUME = 58,961 CF
- BACKFILL STORAGE VOLUME = 0 CF
- TOTAL STORAGE PROVIDED = 58,961 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = SOLID
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
- THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

ASSEMBLY
SCALE: 1" = 40'

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DATE	REVISION DESCRIPTION	BY

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800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH® CMP DETENTION SYSTEMS
CONTECH **DYODS** DRAWING

YO30858 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 5 DMA B
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
20705	30858	4/26/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

C:\EXPORTS\TEMPLATES\CMP_V8.DWG 10/18/2019 10:02 AM

Attachment C
Site and Drainage Plan



Last Update:11/8/21
O:\4000-4099\4021\4021VicMap.dwg

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

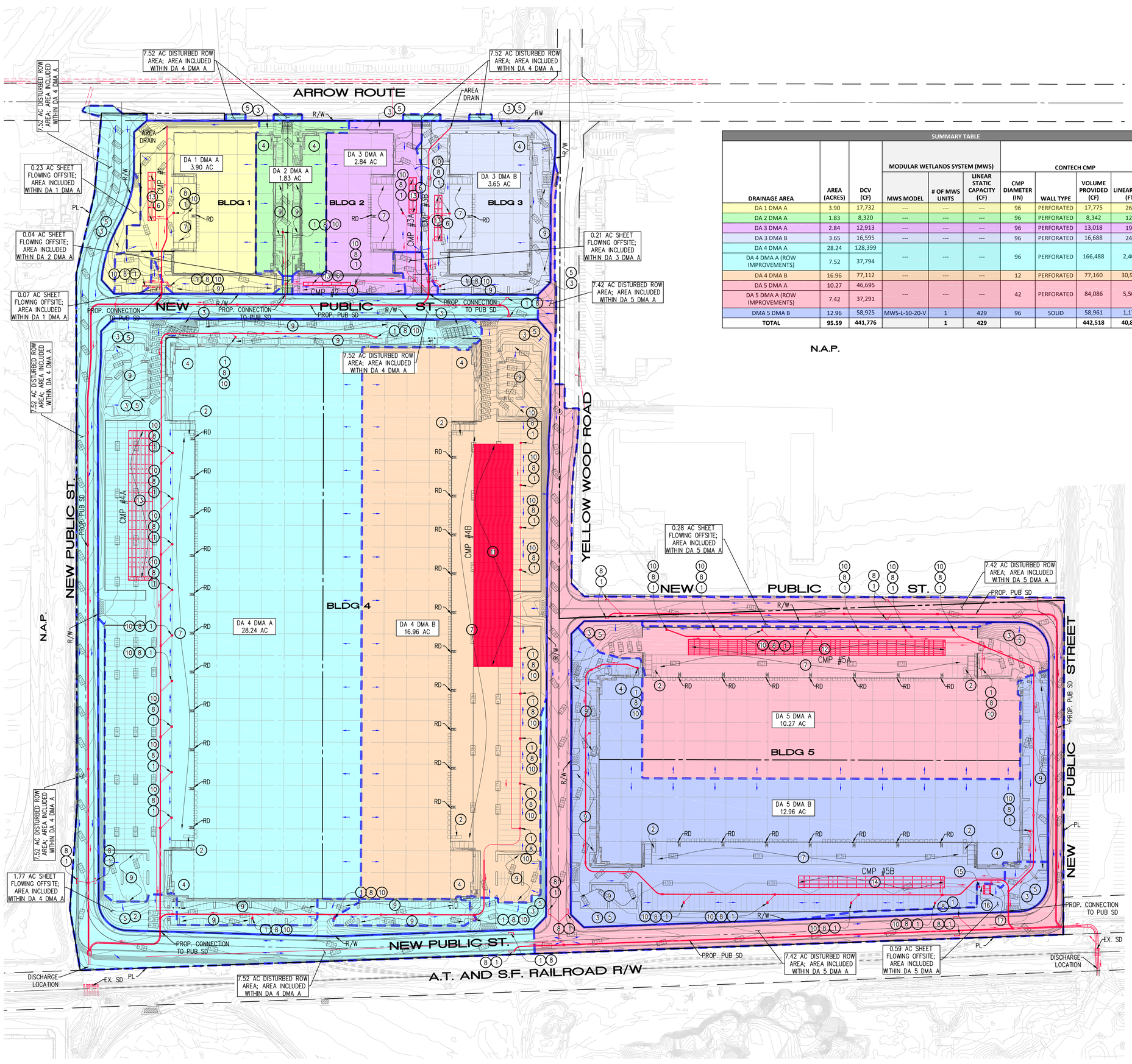
VICINITY MAP

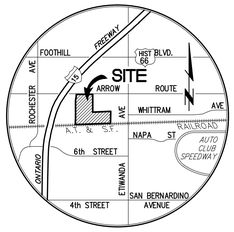
FOR

ARROW ROUTE AND JUNEBERRY DRIVE
RANCHO CUCAMONGA, CA

N

NTS





VICINITY MAP
N.T.S.

SUMMARY TABLE

DRAINAGE AREA	AREA (ACRES)	DCV (CF)	MODULAR WETLANDS SYSTEM (MWS)			CONTECH CMP				TOTAL VOLUME PROVIDED (CF)
			MWS MODEL	# OF MWS UNITS	LINEAR STATIC CAPACITY (CF)	CMP DIAMETER (IN)	WALL TYPE	VOLUME PROVIDED (CF)	LINEAR FEET (FT)	
DA 1 DMA A	3.90	17,732	---	---	---	96	PERFORATED	17,775	261	17,775
DA 2 DMA A	1.83	8,320	---	---	---	96	PERFORATED	8,342	125	8,342
DA 3 DMA A	2.84	12,913	---	---	---	96	PERFORATED	13,018	191	13,018
DA 3 DMA B	3.65	16,595	---	---	---	96	PERFORATED	16,688	245	16,688
DA 4 DMA A	28.24	128,399	---	---	---	96	PERFORATED	166,488	2,409	166,488
DA 4 DMA A (ROW IMPROVEMENTS)	7.52	37,794								
DA 4 DMA B	16.96	77,112	---	---	---	12	PERFORATED	77,160	30,939	77,160
DA 5 DMA A	10.27	46,695	---	---	---	42	PERFORATED	84,086	5,500	84,086
DA 5 DMA A (ROW IMPROVEMENTS)	7.42	37,291								
DMA 5 DMA B	12.96	58,925	MWS-L-10-20-V	1	429	96	SOLID	58,961	1,173	59,390
TOTAL	**95.59**	**441,776**		**1**	**429**			**442,518**	**40,843**	**442,947**

N.A.P.

LEGEND

1. S1–STORM DRAIN SYSTEM SIGNS "NO DUMPING – DRAINS TO WATERWAY"
2. S3–TRASH COMPACTOR
3. S4–EFFICIENT IRRIGATION
4. N1–EDUCATIONAL MATERIALS
5. N3–LANDSCAPE MANAGEMENT BMPS
6. N4–BMP MAINTENANCE
7. N13–HOUSEKEEPING OF LOADING DOCKS
8. N14–CATCH BASIN INSPECTION
9. N15–SWEEPING OF PARKING LOTS
10. DRAIN INSERT(S)
11. CONTECH 12–INCH PERFORATED CMP
12. CONTECH 42–INCH PERFORATED CMP
13. CONTECH 96–INCH PERFORATED CMP
14. CONTECH 96–INCH SOLID CMP
15. SUMP PUMP
16. FORCE MAIN
17. PROPRIETARY BIOFILTRATION UNIT

NOTES:

RD ROOF DRAIN
CMP CORRUGATED METAL PIPE
BOUNDARY
DRAINAGE AREAS
SURFACE – FLOW DIRECTION
SD – FLOW DIRECTION

1. WQMP BMP As-Built Certificate

I hereby certify that the necessary water quality management plan best management practice devices have been constructed under my supervision and are functional to the best of my knowledge as of the date below.

Signature _____ Date _____

Wet Seal

INSTALL ONE 4" ALUMINUM STORM DRAIN PLACARD, PAINTED BLUE WITH A 1/4" SQUARE MOUNTING HOLE (NO DUMPING DRAINS TO WATERWAY) FISH WITH WAVE (PROVIDED BY ENGINEERING SERVICES DEPARTMENT) ON CENTER OF CATCH BASIN BETWEEN SCORING LINE AND CURB LINE. STORM DRAIN PLACARD MUST BE INSTALLED WITH "NO DUMPING DRAINS TO WATERWAY" READING TOWARD THE STREET. MUST INSTALL PLACARD WITH A 1/4"x1" HAMMER SET RIVET (PROVIDED BY ENGINEERING SERVICES DEPARTMENT) AND MASONRY ADHESIVE.

0 50 100 200 300
SCALE: 1"=100'

Last Update: 5/18/23
O:\4000-4099\4021\40210GP12-PRELIMINARY SITE AND DRAINAGE MAP.dwg

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PREPARED BY:
Thienes Engineering, Inc.
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14349 FIRESTONE BOULEVARD
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PH:(714)521-4811 FAX(714)521-4173

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

PRELIMINARY SITE AND DRAINAGE MAP

FOR

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____
Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 12 of 29 Sheets

4021/12 OF 29 SHEET

BIO CLEAN FULL CAPTURE FILTER WITH TROUGH SYSTEM
FOR USE IN CURB INLETS

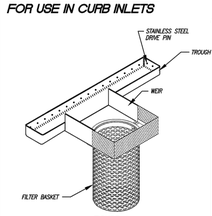


FIGURE 1:
DETAIL OF PARTS

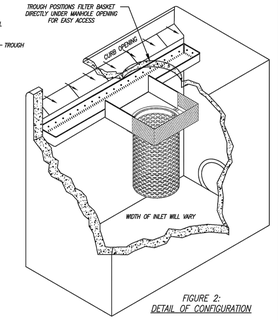


FIGURE 2:
DETAIL OF CONFIGURATION

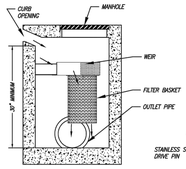


FIGURE 4:
DETAIL OF PROFILE

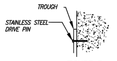


FIGURE 3:
DETAIL OF MOUNTING

MODEL NUMBER	TREATMENT FLOW (cfs)*	SOLIDS STORAGE CAPACITY (cu ft)
BIO-CURB-FULL-24	2.85	1.40
BIO-CURB-FULL-12	2.85	0.70

*SEE PAGE 2 FOR EXPLANATION OF FLOW RATES

DRAWING: BIO CLEAN CURB INLET FILTER DETAILS
TREATMENT FLOW RATE: 2.85 cfs
MEETS FULL CAPTURE REQUIREMENTS
MODEL #: BIO-CURB-FULL
WARRANTY: 1 YEAR MANUFACTURER'S

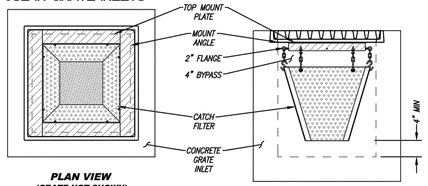
BIO CLEAN ENVIRONMENTAL SERVICES, INC.
308 VIA EL CENTRO, OCEANSIDE CA 92058
PHONE: 760-433-7640 FAX: 760-433-3176
DATE: 10/12/2017 SCALE: NTS
DRAFTER: M.C.P. UNITS = INCHES

PROJECT:
REVISIONS: DATE:
REVISIONS: DATE:
REVISIONS: DATE:
REVISIONS: DATE:

NOTES:
1. TROUGH SYSTEM PROVIDES FOR ENTIRE COVERAGE OF INLET OPENING SO TO DIVERT ALL FLOW TO FILTER.
2. TROUGH SYSTEM MANUFACTURED FROM MARINE GRADE FIBERGLASS, GEL COATED FOR UV PROTECTION.
3. SYSTEM ATTACHED TO THE GRATE BASIN WITH NON-CORROSIVE HARDWARE.
4. FILTER MANUFACTURED OF 100# STAINLESS STEEL.
5. FILTER MADE OF NON-CLOGGIN SCREEN WITH 4.7 MM OPENINGS AND MEETS FULL CAPTURE REQUIREMENTS.
6. FILTER CAN BE FITTED WITH HYDROCARBON ABSORBENT BOOM
7. FILTER IS LOCATED DIRECTLY UNDER THE MANHOLE FOR EASY REMOVAL AND MAINTENANCE.
8. LENGTH OF TROUGH CAN VARY FROM 2' TO 30'.
9. OTHER STANDARD AND CUSTOM MODEL SIZES AVAILABLE – CONTACT BIO CLEAN FOR MORE INFORMATION.
10. CONSIDERS A SAFETY FACTOR OF 2.0
11. BYPASS IS FACILITATED VIA OVERFLOW OF THE TROUGH SYSTEM AND IS EQUAL TO THE CAPACITY OF THE CURB OPENING
12. STORAGE CAPACITY BASED ON THE BASKET HALF FULL.
13. ADDITIONAL TREATMENT AND STORAGE CAPACITY CAN BE ACHIEVED BY UTILIZING MULTIPLE FILTER BASKETS.

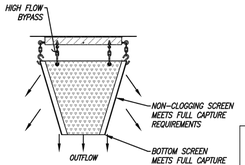
CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com

BIO CLEAN FULL CAPTURE FILTER
FOR USE IN GRATE INLETS



PLAN VIEW
(GRATE NOT SHOWN)

ELEVATION VIEW



FLOW DIAGRAM

MODEL #	TREATMENT FLOW RATE (CFS)	BYPASS FLOW (CFS)	SOLIDS STORAGE CAPACITY (CF)
BIO-GRATE-FULL 12-12-12	1.04	1.24	0.15
BIO-GRATE-FULL 18-18-12	1.78	2.79	0.33
BIO-GRATE-FULL 24-24-12	2.70	4.96	0.59
BIO-GRATE-FULL 24-40-12	3.70	6.35	0.88
BIO-GRATE-FULL 24-24-24	7.31	4.96	1.22
BIO-GRATE-FULL 24-40-24	9.53	6.35	1.82
BIO-GRATE-FULL 36-36-24	11.93	7.74	2.73

INSTALLATION NOTES:
1. ALL HARDWARE, FLANGE, FRAME, SCREENS SHALL BE STAINLESS STEEL.
2. OPTIONAL HYDROCARBON BOOM SHALL BE 2" DIAMETER.
3. SEE PERFORMANCE REPORTS IN MANUFACTURES SPECIFICATIONS.
4. OTHER STANDARD AND CUSTOM MODEL SIZES AVAILABLE – CONTACT BIO CLEAN FOR MORE INFORMATION.
5. BASED ON 37% OPEN AREA.
6. CONSIDERS A SAFETY FACTOR OF 2.0.
7. CONSIDERS A LOCAL DEPRESSION PONDING DEPTH OF 6 INCHES.
8. STORAGE CAPACITY BASED ON THE BASKET HALF FULL.
9. CONCRETE STRUCTURES SOLD SEPARATELY.

NOT TO SCALE

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www.ContechES.com

GRATE INLET FILTER
FULL CAPTURE
STANDARD DETAIL

Form 5-1 BMP Inspection and Maintenance

BMP	Responsible Party(ies)	Inspection/Maintenance Activities Required	Minimum Frequency of Activities
CONTECH CMP Underground System	Owner	Contech recommends ongoing quarterly inspections of the accumulated sediment. All systems shall be designed with an access/inspection manhole situated at or near the inlet and the outlet orifice. Maintaining the system should be scheduled during dry weather.	Inspections shall be done quarterly. Maintenance shall be scheduled when accumulated sediment or trash is clogging the discharge orifice.
Proprietary Biofiltration System	Owner	Remove trash from Screening Device, sediment from Separation Chamber and replace cartridge Filter Media, and Drain Down Filter Media. The owner should keep maintenance/inspection record(s) for a minimum of five years from the date of maintenance. These records should be made available to the governing municipality for inspection upon request at any time. Transport all debris, trash, organics and sediments to approved facility for disposal in accordance with local and state requirements.	Average maintenance interval of 6 to 12 months for removing trash from Screening Device. Average interval of 12 to 24 months for removing sediment, replacing Cartridge Filter Media, replacing Drain Down Filter Media and trimming vegetation.
Drain Inserts	Owner	Visually inspect for defects and illegal dumping. Notify proper authorities if illegal dumping has occurred. Using an industrial vacuum, the collected materials shall be removed from the filter basket and disposed of properly. Inspect biosorb hydrocarbon boom and replace as necessary.	Four times per year or following any rain event that would potentially accumulate a large amount of debris in the system. Replace boom twice per year, at a minimum.
Storm Drain Stenciled Message	Owner	Visually inspect for legibility and replace or repaint as necessary.	Annually
N1: Education of Property Owners, Tenants and Occupants on Stormwater BMPs	Owner	Property owner will familiarize him/herself with the educational materials in Attachment "E" and the contents of the WQMP.	Annually (January) for all employees and within 2 months for new hires.
N2: Activity Restrictions	Owner	The owner shall develop ongoing activity restrictions that include those that have the potential to create adverse impacts on water quality. Activities include, but are not limited to: handling and disposal of contaminants, fertilizer and pesticide application restrictions, litter control and pick-up, and vehicle or equipment repair as well as any other activities that may potentially contribute to water pollution.	Ongoing

Form 5-1 BMP Inspection and Maintenance

BMP	Responsible Party(ies)	Inspection/Maintenance Activities Required	Minimum Frequency of Activities
N3: Landscape Management BMPs	Owner	Irrigation must be consistent with City's Water Conservation Ordinance. Fertilizer and pesticide usage will be consistent with County Management Guidelines for Use of Fertilizers and Pesticides.	Ongoing
N4: BMP Maintenance	Owner	BMP maintenance, implementation schedules, and responsible parties are included with each specific BMP narrative.	As described in each BMP listed within this form.
N7: Spill Contingency Plan	Owner	Owner/tenant will have a spill contingency plan, a separate document, based on specific site needs.	Ongoing
N10: Uniform Fire Code Implementation	Owner	If applicable, owner will comply with Article 80 of the Uniform Fire Code enforced by the fire protection agency. The facility operators will be educated annually regarding requirements for handling, storage and proper disposal of hazardous substances.	Ongoing
N11: Litter/Debris Control Program	Owner	Contract with their landscape maintenance firm to provide this service during regularly schedule maintenance. They are required to implement trash management and litter control procedures in the common areas aimed at reducing pollution of drainage water.	Weekly
N12: Employee Training	Owner	The owner will ensure that tenants are also familiar with onsite BMPs and necessary maintenance required of the tenants. Owner will check with City and County at least once a year to obtain new or updated educational materials and provide these materials to tenants. Employees shall be trained to clean up spills and participate in ongoing maintenance. The WQMP requires annual employee training and new hires within 2 months.	Annually (January) for all employees and within 2 months for new hires.
N13: Housekeeping of Loading Docks	Owner	Keep all fluids indoors. Clean up spills immediately and keep spills from entering storm drain system. No direct discharges into the storm drain system. Area shall be inspected weekly for proper containment and practices with spills cleaned up immediately and disposed of properly.	Ongoing

Form 5-1 BMP Inspection and Maintenance

BMP	Responsible Party(ies)	Inspection/Maintenance Activities Required	Minimum Frequency of Activities
N14: Catch Basin Inspection Program	Owner	Monthly inspection by property owner's designee. Inspection consists of immediate repair of any deterioration of the structures and maintenance of drain inserts before and after major rain events. Drain insert maintenance shall be per manufacturer's guidelines.	Monthly inspection and maintain as necessary.
N15: Vacuum Sweeping of Private Streets and Parking Lots	Owner	All landscape maintenance contractors will be required to sweep up all landscape cuttings, mowings and fertilizer materials off paved areas weekly and dispose of properly. Parking areas and drive ways will be swept monthly by sweeping contractor.	Monthly
N17: Comply with all other applicable NPDES permits	Owner	Will comply with Construction General Permit and Industrial General Permit (may apply for No Exposure Certification/NEC).	Ongoing
S1: Provide storm drain system stenciling and signage (CASQA New Development BMP Handbook SD-13)	Owner	"No Dumping – Drains to River" stencils will be applied. Legibility of stencil will be maintained on a yearly basis.	Annually (January)
S3: Design and construct trash and waste storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-32)	Owner	Paved with an impervious surface, designed not to allow run-on from adjoining areas, designed to divert drainage from adjoining roofs and pavements diverted around the area, screened or walled to prevent off-site transport of trash. Detail to be provided once available.	Ongoing
S4: Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control (Statewide Model Landscape Ordinance; CASQA New Development BMP Handbook SD-12)	Owner	Irrigation systems shall include reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines. Timers will be used to avoid over watering and watering cycles and duration shall be adjusted seasonally by the landscape maintenance contractor. The landscaping areas will be grouped with plants that have similar water requirements. Native or drought tolerant species shall also be used where appropriate to reduce excess irrigation runoff and promote surface filtration.	Adjust watering cycles and duration seasonally / quarterly (Oct, Jan, Apr, and Jul).

DRAIN INSERTS

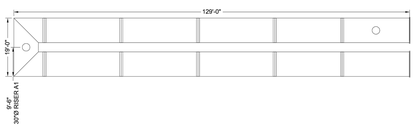
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 261 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 17,732 CF
- PIPE STORAGE VOLUME = 13,119 CF
- BACKFILL STORAGE VOLUME = 4,656 CF
- TOTAL STORAGE PROVIDED = 17,775 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES
- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE 2⅔" x ½" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY
SCALE: 1" = 20'

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DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

YO30696 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 1 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.: 30705	SEQ. No.: 30696	DATE: 5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

DA 1 DMA A

PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 125 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 8,320 CF
- PIPE STORAGE VOLUME = 6,283 CF
- BACKFILL STORAGE VOLUME = 2,059 CF
- TOTAL STORAGE PROVIDED = 8,342 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES
- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE 2⅔" x ½" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
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ASSEMBLY
SCALE: 1" = 20'

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DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

YO30702 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 2 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.: 30705	SEQ. No.: 30702	DATE: 4/26/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

DA 2 DMA A

Last Update: 5/18/23
O:\4000--4099\4021\4021CGP13--PRELIMINARY SITE AND DRAINAGE MAP.dwg

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PRELIMINARY SITE AND DRAINAGE MAP
FOR
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 13 of 29 Sheets

4021/13 OF 29 SHEET

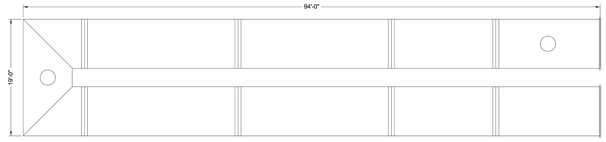
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 191 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 12,913 CF
- PIPE STORAGE VOLUME = 9,601 CF
- BACKFILL STORAGE VOLUME = 3,417 CF
- TOTAL STORAGE PROVIDED = 13,018 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN. QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
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ASSEMBLY
SCALE: 1" = 10'

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www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS

CONTECH **DYODS** DRAWING

PROJECT No.: 30703 | SEQ. No.: 30735 | DATE: 5/2/2023
DESIGNED: DYO | DRAWN: DYO
CHECKED: DYO | APPROVED: DYO
SHEET NO.: 1

DYO30703 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 3 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

DA 3 DMA A

PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 245 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 16,595 CF
- PIPE STORAGE VOLUME = 12,315 CF
- BACKFILL STORAGE VOLUME = 4,373 CF
- TOTAL STORAGE PROVIDED = 16,688 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
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- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY
SCALE: 1" = 20'

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800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS

CONTECH **DYODS** DRAWING

PROJECT No.: 30706 | SEQ. No.: 30736 | DATE: 4/24/2023
DESIGNED: DYO | DRAWN: DYO
CHECKED: DYO | APPROVED: DYO
SHEET NO.: 1

DYO30706 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 3 DMA B
Rancho Cucamonga, CA
DETENTION SYSTEM

DA 3 DMA B

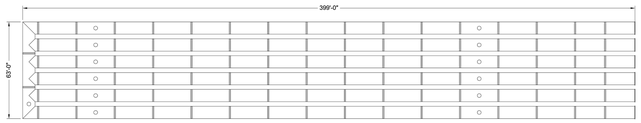
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 2,409 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 166,193 CF
- PIPE STORAGE VOLUME = 121,090 CF
- BACKFILL STORAGE VOLUME = 45,398 CF
- TOTAL STORAGE PROVIDED = 166,488 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

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ASSEMBLY
SCALE: 1" = 40'

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DATE	REVISION DESCRIPTION	BY

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9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS

CONTECH **DYODS** DRAWING

PROJECT No.: 30703 | SEQ. No.: 30736 | DATE: 5/2/2023
DESIGNED: DYO | DRAWN: DYO
CHECKED: DYO | APPROVED: DYO
SHEET NO.: 1

DYO30703 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 4 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

DA 4 DMA A

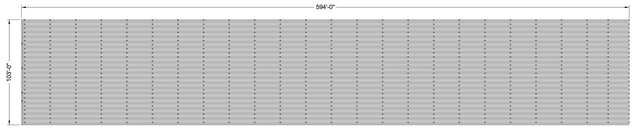
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 30,939 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 77,112 CF
- PIPE STORAGE VOLUME = 24,299 CF
- BACKFILL STORAGE VOLUME = 52,860 CF
- TOTAL STORAGE PROVIDED = 77,160 CF

PIPE DETAILS
- DIAMETER = 12"
- CORRUGATION = 2 2/3x1/2
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 12"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 12"



NOTES

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- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY
SCALE: 1" = 60'

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www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS

CONTECH **DYODS** DRAWING

PROJECT No.: 30703 | SEQ. No.: 30854 | DATE: 5/2/2023
DESIGNED: DYO | DRAWN: DYO
CHECKED: DYO | APPROVED: DYO
SHEET NO.: 1

DYO30854 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 4 DMA B
Rancho Cucamonga, CA
DETENTION SYSTEM

DA 4 DMA B

Last Update: 5/18/23
O:\4000--4099\4021\4021CGP14--PRELIMINARY SITE AND DRAINAGE MAP.dwg

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

PREPARED FOR:

BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PRELIMINARY SITE AND DRAINAGE MAP
FOR
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

PREPARED BY:

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director R.C.E. XXXXX

Sheet 14 of 29 Sheets

4021/14 OF 29 SHEET

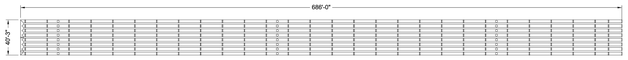
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 5,500 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 83,986 CF
- PIPE STORAGE VOLUME = 52,919 CF
- BACKFILL STORAGE VOLUME = 31,168 CF
- TOTAL STORAGE PROVIDED = 84,086 CF

PIPE DETAILS
- DIAMETER = 42"
- CORRUGATION = 2 2/3x1/2
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 21"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

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- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY
SCALE: 1" = 70'

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DATE	REVISION DESCRIPTION	BY

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CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

YO30856 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 5 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
DYOTIS	30856	8/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

DA 5 DMA A

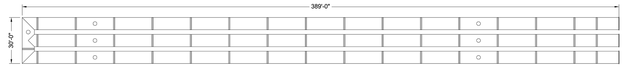
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 1,173 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 58,925 CF
- PIPE STORAGE VOLUME = 58,961 CF
- BACKFILL STORAGE VOLUME = 0 CF
- TOTAL STORAGE PROVIDED = 58,961 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = SOLID
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

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- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN. QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
- THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

ASSEMBLY
SCALE: 1" = 40'

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If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as the work progresses, these discrepancies must be reported to CONTECH immediately for review. CONTECH accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

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DATE	REVISION DESCRIPTION	BY

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

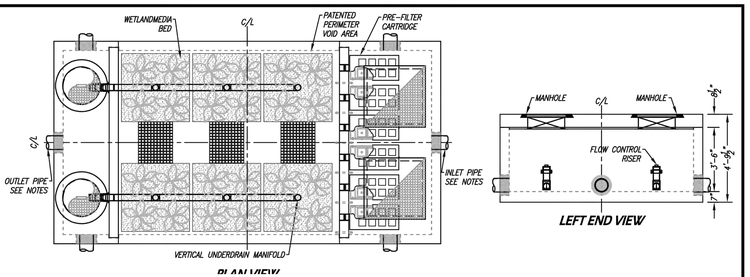
CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

YO30858 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 5 DMA B
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
DYOTIS	30858	8/29/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

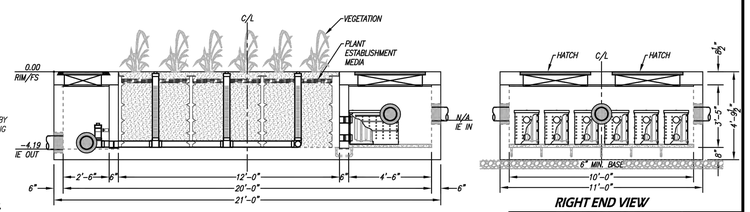
DA 5 DMA B

SITE SPECIFIC DATA			
PROJECT NUMBER	-----		
PROJECT NAME	-----		
PROJECT LOCATION	-----		
STRUCTURE ID	-----		
TREATMENT REQUIRED			
VOLUME BASED (CF)	FLOW BASED (CFS)		
15000	---		
TREATMENT HGL AVAILABLE (FT)		---	
PEAK BYPASS REQUIRED (CFS) – IF APPLICABLE		---	
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	N/A	PVC	4"
INLET PIPE 2	N/A	PVC	2"
OUTLET PIPE	-4.19	PVC	8"
	PRETREATMENT	BIOFILTRATION	DISCHARGE
RIM ELEVATION	0.00	0.00	0.00
SURFACE LOAD	PEDESTRIAN	N/A	PEDESTRIAN
FRAME & COVER	(2) 36"X36"	N/A	(2) #24"
WETLANDMEDIA VOLUME (CY)			12.49
ORIFICE SIZE (DIA. INCHES)			1.89
NOTES: PRELIMINARY, NOT FOR CONSTRUCTION.			



PLAN VIEW

LEFT END VIEW



ELEVATION VIEW

RIGHT END VIEW

REQUIRED TREATMENT VOLUME (CF)	15,000
DRAINDOWN DURATION (HOURS)	24
AVERAGE DISCHARGE RATE PER MWS UNIT(GPM)	78.50
OPERATING HEAD (FT)	3.4
WETLANDMEDIA INFILTRATION RATE (IN/HR) — OR —	26
WETLANDMEDIA LOADING RATE (GPM/SF)	0.26

INSTALLATION NOTES

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS' SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATERTIGHT PER MANUFACTURER'S STANDARD CONNECTION DETAIL.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL PIPES, RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO USE GROUT AND/OR BRICKS TO MATCH COVERS WITH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. VEGETATION SUPPLIED AND INSTALLED BY OTHERS, ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND INSTALLED BY OTHERS.
7. CONTRACTOR RESPONSIBLE FOR CONTACTING BIO CLEAN FOR ACTIVATION OF UNIT. MANUFACTURER'S WARRANTY IS VOID WITHOUT PROPER ACTIVATION BY A BIO CLEAN REPRESENTATIVE.

GENERAL NOTES

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT BIO CLEAN.

PROPRIETARY AND CONFIDENTIAL:
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MWS-L-10-20-4'-1"-V
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

DA 5 DMA B

Last Update:5/18/23
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

PRELIMINARY SITE AND DRAINAGE MAP
FOR
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX
Sheet 15 of 29 Sheets

4021 / 15 OF 29 SHEET

JUNEBERRY DRIVE

ARROW ROUTE

28.00 AC.

APPROXIMATE LOCATION OF EXISTING STORM DRAIN

8.81 AC.

11.77 AC

8.81 AC.

Q_{100} = 29.9 CFS
T_C = 17.2 MIN.
A = 11.8 AC.

APPROXIMATE LOCATION OF EXISTING STORM DRAIN

APPROXIMATE LOCATION OF EXISTING STORM DRAIN

19.18 AC.

8.81 AC.

APPROXIMATE LOCATION OF EXISTING STORM DRAIN

APPROXIMATE LOCATION OF EXISTING STORM DRAIN

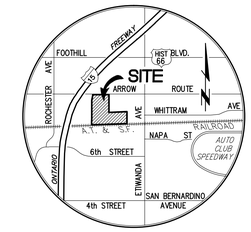
33.10 AC.

9.65 AC.

8.81 AC.

Q_{100} = 98.2 CFS
T_C = 13.8 MIN.
A = 37.6 AC.

Q_{100} = 147.9 CFS
T_C = 17.1 MIN.
A = 61.10 AC.



VICINITY MAP
N.T.S.

0 50 100 200 300
SCALE: 1"=100'

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

HYDROLOGY MAP
EXISTING CONDITION

ARROW ROUTE AND JUNEBERRY DRIVE
RANCHO CUCAMONGA

4021/1 OF 1 SHEET

PREPARED FOR:
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Last Update: 5/18/23
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Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 1 of 1 Sheets

Attachment D
Memorandum of Agreement of Storm Water Quality Management Plan

RECORDING REQUESTED BY
City of Rancho Cucamonga
AND WHEN RECORDED MAIL DOCUMENT TO:

NAME City of Rancho Cucamonga
Engineering Services Dept.
STREET ADDRESS 10500 Civic Center Drive
CITY, STATE & ZIP CODE Rancho Cucamonga, CA 91730

SPACE ABOVE FOR RECORDER'S USE ONLY

MEMORANDUM OF AGREEMENT OF STORM WATER QUALITY MANAGEMENT PLAN

THIS COVER SHEET ADDED TO PROVIDE ADEQUATE SPACE FOR RECORDING INFORMATION

File: TEI 4021

Prepared by: Thienes Engineering, Inc.

Checked by: RS/LP/VL

Assessor's Parcel Number: 0229-121-33, -34, -35 & 0229-131-19

MEMORANDUM OF AGREEMENT OF STORM WATER QUALITY MANAGEMENT PLAN

The undersigned hereby enters into this Memorandum of Storm Water Quality Management Plan (the "Memorandum") on this _____ day of MONTH, 2023 with reference to the following:

A. The undersigned is the owner of certain real property located in the City of Rancho Cucamonga, County of San Bernardino, State of California legally described below and hereto referred to as "Exhibit A" (the "Real Property") and "Exhibit B" (Vicinity Map). Each exhibit is attached hereto and incorporated herein by this reference and also in the Water Quality Management Plan document, on file with the owner or its successors or assigns, and the City and hereinafter is referred to as "WQMP".

B. The undersigned is seeking certain permits and approvals from the City of Rancho Cucamonga ("City") for the development of the Real Property as follows: Precise Grading and Building Permit (the "Approvals").

C. In consideration of the City granting the Approvals, I the undersigned, agree to and accept the terms and conditions of the Storm Water Quality Management Plan (the "Plan") approved by the City's Engineering Services Department on MM/DD/2023, and bind the Real Property with the provisions of the Plan, which is on file with the City of Rancho Cucamonga's Engineering Services Department, File No. DRCXXXX-XXXXX, PGRXXXX-XXXXX, WQMPXXXX-XXXXX.

D. In consideration of the City granting the Approvals, the undersigned has agreed to and accepts the terms and conditions of the Plan as it relates to the Real Property and agrees that the Real Property shall be bound by and subject to the Plan.

E. The owner has chosen to install structures as required by Best Management Practices (BMPs) and to implement non-structural BMPs as described in Exhibit "C" (List of BMP Maintenance Items) and depicted in Exhibit "D" (BMP Site Map). The purpose of the WQMP is to minimize pollutants in urban runoff and to minimize other adverse impacts of urban runoff;

F. Said WQMP has been certified by the Owner and reviewed and approved by the City;

G. Said BMPs, with installation and/or implementation on private property and draining only private property, are part of a private facility with all implementation, maintenance or replacement, therefore, the sole responsibility of the Owner in accordance with the terms of this Agreement;

NOW, THEREFORE, it is hereby agreed by the undersigned as follows:

1. Owner hereby provides the City of Rancho Cucamonga's designee complete inspection access, of any duration, to the areas in which BMPs are applied and their immediate vicinity at any time, upon reasonable notice, or in the event of emergency, as determined by the City's Engineer, no advance notice, for the purpose of inspection, sampling, testing of device(s), and in case of emergency, to undertake all necessary repairs or other preventative measures at owner's expense as provided in paragraph 3 below. City shall make every effort at all times to minimize or avoid interference with Owner's use of the property.

2. The undersigned hereby agrees to the terms and conditions of the Plan, the provisions of which are incorporated by reference as though set out herein in full, and agrees that the Real Property shall be bound by and subject to the terms and conditions of the Plan, subject to minor modifications incorporated during construction, as approved by the City of Rancho Cucamonga Engineering Services Director.

3. The undersigned agrees to conduct the necessary routine maintenance of any structural devices designed into or installed as part of the storm water drainage system on the Real Property to reduce

pollutants in storm water runoff to the maximum extent practicable or to reestablish infiltration through the lifetime of the development which is the subject of Approvals.

4. The undersigned agrees to hold the City, its officials, officers, employees, volunteers, and agents free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage, or injury, in law or equity, to property or persons, arising from the imposition of the Plan by the City.

5. The agreements contained herein and the terms and conditions of the Plan are covenants intended to run with the land and shall burden the Real Property and shall be binding upon future owners of all or any portion of the Real Property. Upon a transfer of the Real Property, the transferor (including the undersigned) shall be relieved of any obligations under this Memorandum or the Plan arising from and after the effective date of the transfer.

6. The provisions of this Memorandum are intended to constitute equitable servitudes which shall encumber the Real Property and be binding upon future owners of the Real Property or any portion thereof.

7. The provisions of the Memorandum may be enforced by the City, which, among other remedies, shall have the remedy of injunctive relief and other equitable remedies.

8. This Memorandum shall not be amended, modified or terminated without the prior written consent of the City, which consent to be effective shall be contained in a document executed by the City and recorded against the Real Property.

Owner Name: BTC III Arrow Route CC LP

Authorized Signature _____

Print Name: Chris Sanford

Title: Senior Vice President

Date: _____

Project Description: Construction of an industrial development consisting of five (5) industrial logistics buildings on Arrow Route and Juneberry Drive and construction of new public street on approximately 95.59 acres of land.

ALL CAPACITY ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF _____

COUNTY OF _____

On _____ (Date) before me, _____ (Name and title of the officer) ,

personally appeared _____ (Name of person signing)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of officer

(Seal)

EXHIBIT A
(Continued from Item A)
(Legal Description)
(To Be Completed by the Project Engineer)

EXHIBIT B
(Vicinity Map)
(To Be Completed by the Project Engineer)

EXHIBIT C
(LIST OF BMP MAINTENANCE ITEMS)
(To Be Completed by the Project Engineer)

BMP DESCRIPTION	DESCRIPTION OF MAINTENANCE PROCEDURES	MINIMUM INSPECTION / MAINTENANCE FREQUENCY	MAINTENANCE RESPONSIBLE PARTY

EXHIBIT D
(BMP Site Map)
(To Be Completed by the Project Engineer)

Attachment E
Educational Materials

Non-Stormwater Discharges SC-10

Description

Non-stormwater discharges (NSWDs) are flows that do not consist entirely of stormwater. Some non-stormwater discharges do not include pollutants and may be discharged to the storm drain if local regulations allow. These include uncontaminated groundwater and natural springs. There are also some non-stormwater discharges that typically do not contain pollutants and may be discharged to the storm drain with conditions. These include: potable water sources, fire hydrant flushing, air conditioner condensate, landscape irrigation drainage and landscape watering, emergency firefighting, etc. as discussed in Section 2.

However there are certain non-stormwater discharges that pose an environmental concern. These discharges may originate from illegal dumping of industrial material or wastes and illegal connections such as internal floor drains, appliances, industrial processes, sinks, and toilets that are illegally connected to the nearby storm drainage system through on-site drainage and piping. These unauthorized discharges (examples of which may include: process waste waters, cooling waters, wash waters, and sanitary wastewater) can carry substances such as paint, oil, fuel and other automotive fluids, chemicals and other pollutants into storm drains.

Non-stormwater discharges will need to be addressed through a combination of detection and elimination. The ultimate goal is to effectively eliminate unauthorized non-stormwater discharges to the stormwater drainage system through implementation of measures to detect, correct, and enforce against illicit connections and illegal discharges of

Objectives
■ *Cover*
■ *Contain*
■ *Educate*
■ *Reduce/Minimize*
■ *Product Substitution*

Targeted Constituents	
Sediment	
Nutrients	✓
Trash	
Metals	✓
Bacteria	✓
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered	
Good Housekeeping	✓
Preventative Maintenance	
Spill and Leak Prevention and Response	✓
Material Handling & Waste Management	
Erosion and Sediment Controls	
Employee Training Program	✓
Quality Assurance Record Keeping	✓

CASQA
CALIFORNIA STORMWATER QUALITY ASSOCIATION®

pollutants on streets and into the storm drain system and downstream water bodies.

Approach

Initially the Discharger must make an assessment of non-stormwater discharges to determine which types must be eliminated or addressed through BMPs. The focus of the following approach is the elimination of unauthorized non-stormwater discharges. See other BMP Fact Sheets for activity-specific pollution prevention procedures.

General Pollution Prevention Protocols

- Implement waste management controls described in SC-34 Waste Handling and Disposal.

- Develop clear protocols and lines of communication for effectively prohibiting non-stormwater discharges, especially those that are not classified as hazardous. These are often not responded to as effectively as they need to be.

- Stencil or demarcate storm drains, where applicable, to prevent illegal disposal of pollutants. Storm drain inlets should have messages such as "Dump No Waste Drains to Stream" or similar stenciled or demarcated next to them to warn against ignorant or unintentional dumping of pollutants into the storm drainage system.

- Manage and control sources of water such as hose bibs, faucets, wash racks, irrigation heads, etc. Identify hoses and faucets in the SWPPP, and post signage for appropriate use.

Non-Stormwater Discharge Investigation Protocols

Identifying the sources of non-stormwater discharges requires the Discharger to conduct an investigation of the facility at regular intervals. There are several categories of non-stormwater discharges:

- Visible, easily identifiable discharges, typically generated as surface runoff, such as uncontained surface runoff from vehicle or equipment washing; and

- Non-visible, (e.g., subsurface) discharges into the site drainage system through a variety of pathways that are not obvious.

The approach to detecting and eliminating non-stormwater discharges will vary considerably, as discussed below:

Visible and identifiable discharges

- Conduct routine inspections of the facilities and of each major activity area and identify visible evidence of unauthorized non-stormwater discharges. This may include:

  - ✓ Visual observations of actual discharges occurring;

- ✓ Evidence of surface staining, discoloring etc. that indicates that discharges have occurred;
- ✓ Pools of water in low lying areas when a rain event has not occurred; and
- ✓ Discussions with operations personnel to understand practices that may lead to unauthorized discharges.

- ☐ If evidence of non-stormwater discharges is discovered:
  - ✓ Document the location and circumstances using Worksheets 5 and 6 (Section 2 of the manual), including digital photos;
  - ✓ Identify and implement any quick remedy or corrective action (e.g., moving uncovered containers inside or to a proper location); and
  - ✓ Develop a plan to eliminate the discharge. Consult the appropriate activity-specific BMP Fact Sheet for alternative approaches to manage and eliminate the discharge.
- ☐ Consult the appropriate activity-specific BMP Fact Sheet for alternative approaches to manage and eliminate the discharge. Make sure the facility SWPPP is up-to-date and includes applicable BMPs to address the non-stormwater discharge.

Other Illegal Discharges (Non visible)

Illicit Connections

- ☐ Locate discharges from the industrial storm drainage system to the municipal storm drain system through review of "as-built" piping schematics.
- ☐ Isolate problem areas and plug illicit discharge points.
- ☐ Locate and evaluate discharges to the storm drain system.
- ☐ Visual Inspection and Inventory:
  - ✓ Inventory and inspect each discharge point during dry weather.
  - ✓ Keep in mind that drainage from a storm event can continue for a day or two following the end of a storm and groundwater may infiltrate the underground stormwater collection system.
  - ✓ Non-stormwater discharges are often intermittent and may require periodic inspections.

Review Infield Piping

- ☐ A review of the "as-built" piping schematic is a way to determine if there are any connections to the stormwater collection system.

- Inspect the path of loading/unloading area drain inlets and floor drains in older buildings.

- Never assume storm drains are connected to the sanitary sewer system.

Monitoring for investigation/detection of illegal discharges

- If a suspected illegal or unknown discharge is detected, monitoring of the discharge may help identify the content and/or suggest the source. This may be done with a field screening analysis, flow meter measurements, or by collecting a sample for laboratory analysis. Section 5 and Appendix D describe the necessary field equipment and procedures for field investigations.

- Investigative monitoring may be conducted over time. For example if, a discharge is intermittent, then monitoring might be conducted to determine the timing of the discharge to determine the source.

- Investigative monitoring may be conducted over a spatial area. For example, if a discharge is observed in a pipe, then monitoring might be conducted at accessible upstream locations in order to pinpoint the source of the discharge.

- Generally, investigative monitoring requiring collection of samples and submittal for lab analysis requires proper planning and specially trained staff.

Smoke Testing

Smoke testing of wastewater and stormwater collection systems is used to detect connections between the two piping systems. Smoke testing is generally performed at a downstream location and the smoke is forced upstream using blowers to create positive pressure. The advantage to smoke testing is that it can potentially identify multiple potential discharge sources at once.

- Smoke testing uses a harmless, non-toxic smoke cartridges developed specifically for this purpose.

- Smoke testing requires specialized equipment (e.g., cartridges, blowers) and is generally only appropriate for specially trained staff.

- A Standard Operating Procedure (SOP) for smoke testing is highly desirable. The SOP should address the following elements:

  - ✓ Proper planning and notification of nearby residents and emergency services is necessary since introducing smoke into the system may result in false alarms;

  - ✓ During dry weather, the stormwater collection system is filled with smoke and then traced back to sources;

- ✓ Temporary isolation of segments of pipe using sand bags is often needed to force the smoke into leaking pipes; and
- ✓ The appearance of smoke in a waste vent pipe, at a sewer manhole, or even the base of a toilet indicates that there may be a connection between the sanitary and storm water systems.

- Most municipal wastewater agencies will have necessary staff and equipment to conduct smoke testing and they should be contacted if cross connections with the sanitary sewer are suspected. See SC-44 Drainage System Maintenance for more information.

Dye Testing

- Dye testing is typically performed when there is a suspected specific pollutant source and location (i.e., leaking sanitary sewer) and there is evidence of dry weather flows in the stormwater collection system.
- Dye is released at a probable upstream source location, either the facility's sanitary or process wastewater system. The dye must be released with a sufficient volume of water to flush the system.
- Operators then visually examine the downstream discharge points from the stormwater collection system for the presence of the dye.
- Dye testing can be performed informally using commercially available products in order to conduct an initial investigation for fairly obvious cross-connections.
- More detailed dye testing should be performed by properly trained staff and follow SOPs. Specialized equipment such as fluorometers may be necessary to detect low concentrations of dye.
- Most municipal wastewater agencies will have necessary staff and equipment to conduct dye testing and they should be contacted if cross connections with the sanitary sewer are suspected.

TV Inspection of Drainage System

- Closed Circuit Television (CCTV) can be employed to visually identify illicit connections to the industrial storm drainage system. Two types of CCTV systems are available: (1) a small specially designed camera that can be manually pushed on a stiff cable through storm drains to observe the interior of the piping, or (2) a larger remote operated video camera on treads or wheels that can be guided through storm drains to view the interior of the pipe.
- CCTV systems often include a high-pressure water jet and camera on a flexible cable. The water jet cleans debris and biofilm off the inside of pipes so the camera can take video images of the pipe condition.

- CCTV units can detect large cracks and other defects such as offsets in pipe ends caused by root intrusions or shifting substrate.
- CCTV can also be used to detect dye introduced into the sanitary sewer.
- CCTV inspections require specialized equipment and properly trained staff and are generally best left to specialized contractors or municipal public works staff.

Illegal Dumping

- Substances illegally dumped on streets and into the storm drain systems and creeks may include paints, used oil and other automotive fluids, construction debris, chemicals, fresh concrete, leaves, grass clippings, and pet wastes. These wastes can cause stormwater and receiving water quality problems as well as clog the storm drain system itself.
- Establish a system for tracking incidents. The system should be designed to identify the following:
  - ✓ Illegal dumping hot spots;
  - ✓ Types and quantities (in some cases) of wastes;
  - ✓ Patterns in time of occurrence (time of day/night, month, or year);
  - ✓ Mode of dumping (abandoned containers, "midnight dumping" from moving vehicles, direct dumping of materials, accidents/spills);
  - ✓ An anonymous tip/reporting mechanism; and
  - ✓ Evidence of responsible parties (e.g., tagging, encampments, etc.).
- One of the keys to success of reducing or eliminating illegal dumping is increasing the number of people at the facility who are aware of the problem and who have the tools to at least identify the incident, if not correct it. Therefore, train field staff to recognize and report the incidents.

Once a site has been cleaned:

- Post "No Dumping" signs with a phone number for reporting dumping and disposal.
- Landscaping and beautification efforts of hot spots may also discourage future dumping, as well as provide open space and increase property values.
- Lighting or barriers may also be needed to discourage future dumping.
- See fact sheet SC-11 Spill Prevention, Control, and Cleanup.

Inspection

- Regularly inspect and clean up hot spots and other storm drainage areas where illegal dumping and disposal occurs.
- Conduct field investigations of the industrial storm drain system for potential sources of non-stormwater discharges.
- Pro-actively conduct investigations of high priority areas. Based on historical data, prioritize specific geographic areas and/or incident type for pro-active investigations.



Spill and Leak Prevention and Response

- On paved surfaces, clean up spills with as little water as possible. Use a rag for small spills, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be sent to a certified laundry (rags) or disposed of as hazardous waste.
- Never hose down or bury dry material spills. Sweep up the material and dispose of properly.
- Use adsorbent materials on small spills rather than hosing down the spill. Remove the adsorbent materials promptly and dispose of properly.
- For larger spills, a private spill cleanup company or Hazmat team may be necessary.
- See SC-11 Spill Prevention Control and Cleanup.



Employee Training Program

- Training of technical staff in identifying and documenting illegal dumping incidents is required. The frequency of training must be presented in the SWPPP, and depends on site-specific industrial materials and activities.
- Consider posting a quick reference table near storm drains to reinforce training.
- Train employees to identify non-stormwater discharges and report discharges to the appropriate departments.
- Educate employees about spill prevention and cleanup.
- Well-trained employees can reduce human errors that lead to accidental releases or spills. The employee should have the tools and knowledge to immediately begin cleaning up a spill should one occur. Employees should be familiar with the Spill Prevention Control and Countermeasure Plan. Employees should be able to identify work/jobs with high potential for spills and suggest methods to reduce possibility.
- Determine and implement appropriate outreach efforts to reduce non-permissible non-stormwater discharges.

- Conduct spill response drills annually (if no events occurred) in order to evaluate the effectiveness of the plan.
- When a responsible party is identified, educate the party on the impacts of his or her actions.



Quality Assurance and Record Keeping

Performance Evaluation

- Annually review internal investigation results; assess whether goals were met and what changes or improvements are necessary.
- Obtain feedback from personnel assigned to respond to, or inspect for, illicit connections and illegal dumping incidents.
- Develop document and data management procedures.
- A database is useful for defining and tracking the magnitude and location of the problem.
- Report prohibited non-stormwater discharges observed during the course of normal daily activities so they can be investigated, contained, and cleaned up or eliminated.
- Document that non-stormwater discharges have been eliminated by recording tests performed, methods used, dates of testing, and any on-site drainage points observed.
- Annually document and report the results of the program.
- Maintain documentation of illicit connection and illegal dumping incidents, including significant conditionally exempt discharges that are not properly managed.
- Document training activities.

Potential Limitations and Work-Arounds

Some facilities may have space constraints, limited staffing and time limitations that may preclude implementation of BMPs. Provided below are typical limitations and recommended "work-arounds."

- Many facilities do not have accurate, up-to-date 'as-built' plans or drawings which may be necessary in order to conduct non-stormwater discharge assessments.
  - ✓ Online tools such as Google Earth™ can provide an aerial view of the facility and may be useful in understanding drainage patterns and potential sources of non-stormwater discharges
  - ✓ Local municipal jurisdictions may have useful drainage systems maps.

- Video surveillance cameras are commonly used to secure the perimeter of industrial facilities against break-ins and theft. These surveillance systems may also be useful for capturing illegal dumping activities. Minor, temporary adjustments to the field of view of existing surveillance camera systems to target known or suspected problem areas may be a cost-effective way of capturing illegal dumping activities and identifying the perpetrators.

Potential Capital Facility Costs and Operation & Maintenance Requirements

Facilities

- Capital facility cost requirements may be minimal unless cross-connections to storm drains are detected.
- Indoor floor drains may require re-plumbing if cross-connections are detected.
- Leaky sanitary sewers will require repair or replacement which can have significant costs depending on the size and industrial activity at the facility.

Maintenance (including administrative and staffing)

- The primary effort is for staff time and depends on how aggressively a program is implemented.
- Costs for containment, and disposal of any leak or discharge is borne by the Discharger.
- Illicit connections can be difficult to locate especially if there is groundwater infiltration.
- Illegal dumping and illicit connection violations requires technical staff to detect and investigate them.

Supplemental Information

Permit Requirements

The IGP authorizes certain Non-Storm Water Discharges (NSWDs) provided BMPs are included in the SWPPP and implemented to:

- Reduce or prevent the contact of authorized NSWDs with materials or equipment that are potential sources of pollutants;
- Reduce, to the extent practicable, the flow or volume of authorized NSWDs;
- Ensure that authorized NSWDs do not contain quantities of pollutants that cause or contribute to an exceedance of a water quality standards (WQS); and,

- Reduce or prevent discharges of pollutants in authorized NSWDs in a manner that reflects best industry practice considering technological availability and economic practicability and achievability."

References and Resources

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Sacramento Stormwater Management Program, *Best Management Practices for Industrial Storm Water Pollution Control*, Available online at: http://www.msa.saccounty.net/sactostormwater/documents/guides/industrial-BMP-manual.pdf.

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Spill Prevention, Control & Cleanup SC-11

Description

Many activities that occur at an industrial or commercial site have the potential to cause accidental spills. Preparation for accidental spills, with proper training and reporting systems implemented, can minimize the discharge of pollutants to the environment.

Spills and leaks are one of the largest contributors of stormwater pollutants. Spill prevention and control plans are applicable to any site at which hazardous materials are stored or used. An effective plan should have spill prevention and response procedures that identify hazardous material storage areas, specify material handling procedures, describe spill response procedures, and provide locations of spill clean-up equipment and materials. The plan should take steps to identify and characterize potential spills, eliminate and reduce spill potential, respond to spills when they occur in an effort to prevent pollutants from entering the stormwater drainage system, and train personnel to prevent and control future spills. An adequate supply of spill clean-up materials must be maintained onsite.

Objectives
■ *Cover*
■ *Contain*
■ *Educate*
■ *Reduce/Minimize*
■ *Product Substitution*

Targeted Constituents	
Sediment	
Nutrients	
Trash	
Metals	✓
Bacteria	
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered	
Good Housekeeping	
Preventative Maintenance	
Spill and Leak Prevention and Response	✓
Material Handling & Waste Management	
Erosion and Sediment Controls	
Employee Training Program	✓
Quality Assurance Record Keeping	✓

Approach

General Pollution Prevention Protocols

- ☐ Develop procedures to prevent/mitigate spills to storm drain systems.
- ☐ Develop and standardize reporting procedures, containment, storage, and disposal activities, documentation, and follow-up procedures.
- ☐ Establish procedures and/or controls to minimize spills and leaks. The procedures should address:
  - ✓ Description of the facility, owner and address, activities, chemicals, and quantities present;

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- ✓ Facility map of the locations of industrial materials;
- ✓ Notification and evacuation procedures;
- ✓ Cleanup instructions;
- ✓ Identification of responsible departments; and
- ✓ Identify key spill response personnel.

- ☐ Recycle, reclaim, or reuse materials whenever possible. This will reduce the amount of process materials that are brought into the facility.



Spill and Leak Prevention and Response

Spill Prevention

- ☐ Develop procedures to prevent/mitigate spills to storm drain systems. Develop and standardize reporting procedures, containment, storage, and disposal activities, documentation, and follow-up procedures.

- ☐ If illegal dumping is observed at the facility:

  - ✓ Post "No Dumping" signs with a phone number for reporting illegal dumping and disposal. Signs should also indicate fines and penalties applicable for illegal dumping.
  - ✓ Landscaping and beautification efforts may also discourage illegal dumping.
  - ✓ Bright lighting and/or entrance barriers may also be needed to discourage illegal dumping.

- ☐ Store and contain liquid materials in such a manner that if the container is ruptured, the contents will not discharge, flow, or be washed into the storm drainage system, surface waters, or groundwater.

- ☐ If the liquid is oil, gas, or other material that separates from and floats on water, install a spill control device (such as a tee section) in the catch basins that collects runoff from the storage tank area.



Preventative Maintenance

- ☐ Place drip pans or absorbent materials beneath all mounted taps, and at all potential drip and spill locations during filling and unloading of tanks. Any collected liquids or soiled absorbent materials must be reused/recycled or properly disposed.

- ☐ Store and maintain appropriate spill cleanup materials in a location known to all near the tank storage area; and ensure that employees are familiar with the site's spill control plan and/or proper spill cleanup procedures.

- ☐ Sweep and clean the storage area monthly if it is paved, *do not hose down the area to a storm drain.*

- ☐ Check tanks (and any containment sumps) daily for leaks and spills. Replace tanks that are leaking, corroded, or otherwise deteriorating with tanks in good condition. Collect all spilled liquids and properly dispose of them.

- ☐ Label all containers according to their contents (e.g., solvent, gasoline).

- ☐ Label hazardous substances regarding the potential hazard (corrosive, radioactive, flammable, explosive, poisonous).

- ☐ Prominently display required labels on transported hazardous and toxic materials (per US DOT regulations).

- ☐ Identify key spill response personnel.

Spill Response

- ☐ Clean up leaks and spills immediately.

- ☐ Place a stockpile of spill cleanup materials where it will be readily accessible (e.g., near storage and maintenance areas).

- ☐ On paved surfaces, clean up spills with as little water as possible.

  - ✓ Use a rag for small spills, a damp mop for general cleanup, and absorbent material for larger spills.

  - ✓ If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be sent to a certified laundry (rags) or disposed of as hazardous waste.

  - ✓ If possible use physical methods for the cleanup of dry chemicals (e.g., brooms, shovels, sweepers, or vacuums).

- ☐ Never hose down or bury dry material spills. Sweep up the material and dispose of properly.

- ☐ Chemical cleanups of material can be achieved with the use of adsorbents, gels, and foams. Use adsorbent materials on small spills rather than hosing down the spill. Remove the adsorbent materials promptly and dispose of properly.

- ☐ For larger spills, a private spill cleanup company or Hazmat team may be necessary.

Reporting

- Report spills that pose an immediate threat to human health or the environment to the Regional Water Quality Control Board or local authority as location regulations dictate.
- Federal regulations require that any oil spill into a water body or onto an adjoining shoreline be reported to the National Response Center (NRC) at 800-424-8802 (24 hour).
- Report spills to 911 for dispatch and clean-up assistance when needed. Do not contact fire agencies directly.
- Establish a system for tracking incidents. The system should be designed to identify the following:
  - ✓ Types and quantities (in some cases) of wastes;
  - ✓ Patterns in time of occurrence (time of day/night, month, or year);
  - ✓ Mode of dumping (abandoned containers, "midnight dumping" from moving vehicles, direct dumping of materials, accidents/spills);
  - ✓ Clean-up procedures; and
  - ✓ Responsible parties.



Employee Training Program

- Educate employees about spill prevention and cleanup.
- Well-trained employees can reduce human errors that lead to accidental releases or spills:
  - ✓ The employee should have the tools and knowledge to immediately begin cleaning up a spill should one occur; and
  - ✓ Employees should be familiar with the Spill Prevention Control and Countermeasure Plan.
- Employees should be educated about aboveground storage tank requirements. Employees responsible for aboveground storage tanks and liquid transfers should be thoroughly familiar with the Spill Prevention Control and Countermeasure Plan and the plan should be readily available.
- Train employees to recognize and report illegal dumping incidents.

Other Considerations (Limitations and Regulations)

- State regulations exist for facilities with a storage capacity of 10,000 gallons or more of petroleum to prepare a Spill Prevention Control and Countermeasure (SPCC) Plan (Health & Safety Code Chapter 6.67).
- State regulations also exist for storage of hazardous materials (Health & Safety Code Chapter 6.95), including the preparation of area and business plans for emergency response to the releases or threatened releases.
- Consider requiring smaller secondary containment areas (less than 200 sq. ft.) to be connected to the sanitary sewer, prohibiting any hard connections to the storm drain.

Requirements

Costs (including capital and operation & maintenance)

- Will vary depending on the size of the facility and the necessary controls.
- Prevention of leaks and spills is inexpensive. Treatment and/or disposal of contaminated soil or water can be quite expensive.

Maintenance (including administrative and staffing)

- Develop spill prevention and control plan, provide and document training, conduct inspections of material storage areas, and supply spill kits.
- Extra time is needed to properly handle and dispose of spills, which results in increased labor costs.

Supplemental Information

Further Detail of the BMP

Reporting

Record keeping and internal reporting represent good operating practices because they can increase the efficiency of the facility and the effectiveness of BMPs. A good record keeping system helps the facility minimize incident recurrence, correctly respond with appropriate cleanup activities, and comply with legal requirements. A record keeping and reporting system should be set up for documenting spills, leaks, and other discharges, including discharges of hazardous substances in reportable quantities. Incident records describe the quality and quantity of non-stormwater discharges to the storm sewer. These records should contain the following information:

- Date and time of the incident;
- Weather conditions;
- Duration of the spill/leak/discharge;

- Cause of the spill/leak/discharge;
- Response procedures implemented;
- Persons notified; and
- Environmental problems associated with the spill/leak/discharge.

Separate record keeping systems should be established to document housekeeping and preventive maintenance inspections, and training activities. All housekeeping and preventive maintenance inspections should be documented. Inspection documentation should contain the following information:

- Date and time the inspection was performed;
- Name of the inspector;
- Items inspected;
- Problems noted;
- Corrective action required; and
- Date corrective action was taken.

Other means to document and record inspection results are field notes, timed and dated photographs, videotapes, and drawings and maps.

Aboveground Tank Leak and Spill Control

Accidental releases of materials from aboveground liquid storage tanks present the potential for contaminating stormwater with many different pollutants. Materials spilled, leaked, or lost from tanks may accumulate in soils or on impervious surfaces and be carried away by stormwater runoff.

The most common causes of unintentional releases are:

- Installation problems;
- Failure of piping systems (pipes, pumps, flanges, couplings, hoses, and valves);
- External corrosion and structural failure;
- Spills and overfills due to operator error; and
- Leaks during pumping of liquids or gases from truck or rail car to a storage tank or vice versa.

Storage of reactive, ignitable, or flammable liquids should comply with the Uniform Fire Code and the National Electric Code. Practices listed below should be employed to enhance the code requirements:

- Tanks should be placed in a designated area.
- Tanks located in areas where firearms are discharged should be encapsulated in concrete or the equivalent.
- Designated areas should be impervious and paved with Portland cement concrete, free of cracks and gaps, in order to contain leaks and spills.
- Liquid materials should be stored in UL approved double walled tanks or surrounded by a curb or dike to provide the volume to contain 10 percent of the volume of all of the containers or 110 percent of the volume of the largest container, whichever is greater. The area inside the curb should slope to a drain.
- For used oil or dangerous waste, a dead-end sump should be installed in the drain.
- All other liquids should be drained to the sanitary sewer if available. The drain must have a positive control such as a lock, valve, or plug to prevent release of contaminated liquids.
- Accumulated stormwater in petroleum storage areas should be passed through an oil/water separator.

Maintenance is critical to preventing leaks and spills. Conduct routine inspections and:

- Check for external corrosion and structural failure.
- Check for spills and overfills due to operator error.
- Check for failure of piping system (pipes, pumps, flanges, coupling, hoses, and valves).
- Check for leaks or spills during pumping of liquids or gases from truck or rail car to a storage facility or vice versa.
- Visually inspect new tank or container installation for loose fittings, poor welding, and improper or poorly fitted gaskets.
- Inspect tank foundations, connections, coatings, and tank walls and piping system. Look for corrosion, leaks, cracks, scratches, and other physical damage that may weaken the tank or container system.
- Frequently relocate accumulated stormwater during the wet season.

- Periodically conduct integrity testing by a qualified professional.

Vehicle Leak and Spill Control

Major spills on roadways and other public areas are generally handled by highly trained Hazmat teams from local fire departments or environmental health departments. The measures listed below pertain to leaks and smaller spills at vehicle maintenance shops.

In addition to implementing the spill prevention, control, and clean up practices above, use the following measures related to specific activities:

Vehicle and Equipment Maintenance

- Perform all vehicle fluid removal or changing inside or under cover to prevent the run-on of stormwater and the runoff of spills.
- Regularly inspect vehicles and equipment for leaks, and repair immediately.
- Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.
- Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
- Immediately drain all fluids from wrecked vehicles.
- Store wrecked vehicles or damaged equipment under cover.
- Place drip pans or absorbent materials under heavy equipment when not in use.
- Use absorbent materials on small spills rather than hosing down the spill.
- Remove the adsorbent materials promptly and dispose of properly.
- Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.
- Oil filters disposed of in trashcans or dumpsters can leak oil and contaminate stormwater. Place the oil filter in a funnel over a waste oil recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask your oil supplier or recycler about recycling oil filters.
- Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries, even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

Vehicle and Equipment Fueling

- Design the fueling area to prevent the run-on of stormwater and the runoff of spills:

  Cover fueling area if possible.

  Use a perimeter drain or slope pavement inward with drainage to a sump.

  Pave fueling area with concrete rather than asphalt.

- If dead-end sump is not used to collect spills, install an oil/water separator.
- Install vapor recovery nozzles to help control drips as well as air pollution.
- Discourage "topping-off' of fuel tanks.
- Use secondary containment when transferring fuel from the tank truck to the fuel tank.
- Use absorbent materials on small spills and general cleaning rather than hosing down the area. Remove the absorbent materials promptly.
- Carry out all Federal and State requirements regarding underground storage tanks, or install above ground tanks.
- Do not use mobile fueling of mobile industrial equipment around the facility; rather, transport the equipment to designated fueling areas.
- Keep your Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date.
- Train employees in proper fueling and cleanup procedures.

Industrial Spill Prevention Response

For the purposes of developing a spill prevention and response program to meet the stormwater regulations, facility managers should use information provided in this fact sheet and the spill prevention/response portions of the fact sheets in this handbook, for specific activities.

The program should:

- Integrate with existing emergency response/hazardous materials programs (e.g., Fire Department).
- Develop procedures to prevent/mitigate spills to storm drain systems.
- Identify responsible departments.

- Develop and standardize reporting procedures, containment, storage, and disposal activities, documentation, and follow-up procedures.
- Address spills at municipal facilities, as well as public areas.
- Provide training concerning spill prevention, response and cleanup to all appropriate personnel.

References and Resources

California's Nonpoint Source Program Plan. http://www.swrcb.ca.gov/nps/index.html.

Clark County Storm Water Pollution Control Manual. Available online at: http://www.co.clark.wa.us/pubworks/bmpman.pdf.

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Santa Clara Valley Urban Runoff Pollution Prevention Program. http://www.scvurppp.org.

The Stormwater Managers Resource Center. http://www.stormwatercenter.net/.

Outdoor Loading/Unloading SC-30

Description

The loading/unloading of materials usually takes place outside on docks or terminals; therefore, materials spilled, leaked, or lost during loading/unloading may collect in the soil or on other surfaces and have the potential to be carried away by wind, stormwater runoff or when the area is cleaned. Additionally, rainfall may wash pollutants from machinery used to unload or move materials. Implementation of the following protocols will prevent or reduce the discharge of pollutants to stormwater from outdoor loading/unloading of materials.

Approach

Reduce potential for pollutant discharge through source control pollution prevention and BMP implementation. Successful implementation depends on effective training of employees on applicable BMPs and general pollution prevention strategies and objectives.

General Pollution Prevention Protocols

- Park tank trucks or delivery vehicles in designated areas so that spills or leaks can be contained.
- Limit exposure of material to rainfall whenever possible.
- Prevent stormwater run-on.
- Check equipment regularly for leaks.



Good Housekeeping

- Develop an operations plan that describes procedures for loading and/or unloading.
- Conduct loading and unloading in dry weather if possible.

Objectives
■ *Cover*
■ *Contain*
■ *Educate*
■ *Reduce/Minimize*
■ *Product Substitution*

Targeted Constituents	
Sediment	✓
Nutrients	✓
Trash	
Metals	✓
Bacteria	
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered	
Good Housekeeping	✓
Preventative Maintenance	
Spill and Leak Prevention and Response	✓
Material Handling & Waste Management	✓
Erosion and Sediment Controls	
Employee Training Program	✓
Quality Assurance Record Keeping	✓

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- Cover designated loading/unloading areas to reduce exposure of materials to rain.
- Consider placing a seal or door skirt between delivery vehicles and building to prevent exposure to rain.
- Design loading/unloading area to prevent stormwater run-on, which would include grading or berming the area, and position roof downspouts so they direct stormwater away from the loading/unloading areas.
- Have employees load and unload all materials and equipment in covered areas such as building overhangs at loading docks if feasible.
- Load/unload only at designated loading areas.
- Use drip pans underneath hose and pipe connections and other leak-prone spots during liquid transfer operations, and when making and breaking connections. Several drip pans should be stored in a covered location near the liquid transfer area so that they are always available, yet protected from precipitation when not in use. Drip pans can be made specifically for railroad tracks. Drip pans must be cleaned periodically, and drip collected materials must be disposed of properly.
- Pave loading areas with concrete instead of asphalt.
- Avoid placing storm drains inlets in the area.
- Grade and/or berm the loading/unloading area with drainage to sump; regularly remove materials accumulated in sump.



Spill Response and Prevention Procedures

- Keep your spill prevention and control plan up-to-date or have an emergency spill cleanup plan readily available, as applicable.
- Contain leaks during transfer.
- Store and maintain appropriate spill cleanup materials in a location that is readily accessible and known to all employees.
- Ensure that employees are familiar with the site's spill control plan and proper spill cleanup procedures.
- Use drip pans or comparable devices when transferring oils, solvents, and paints.



Material Handling and Waste Management

- Spot clean leaks and drips routinely to prevent runoff of spillage.
- Do not pour liquid wastes into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.

- Do not put used or leftover cleaning solutions, solvents, and automotive fluids in the storm drain or sanitary sewer.
- Collect leaking or dripping fluids in drip pans or containers. Fluids are easier to recycle if kept separate.
- Promptly transfer used fluids to the proper waste or recycling drums. Do not leave drip pans or other open containers lying around.
- Minimize the possibility of stormwater pollution from outside waste receptacles by doing at least one of the following:
  - ✓ Use only watertight waste receptacle(s) and keep the lid(s) closed.
  - ✓ Grade and pave the waste receptacle area to prevent run-on of stormwater.
  - ✓ Install a roof over the waste receptacle area.
  - ✓ Install a low containment berm around the waste receptacle area.
  - ✓ Use and maintain drip pans under waste receptacles.
- Post "no littering" signs.
- Perform work area clean-up and dry sweep after daily operations.



Employee Training Program

- Train employees (e.g., fork lift operators) and contractors on proper spill containment and cleanup.
- Have employees trained in spill containment and cleanup present during loading/unloading.
- Train employees in proper handling techniques during liquid transfers to avoid spills.
- Make sure forklift operators are properly trained on loading and unloading procedures.



Quality Assurance and Record Keeping

- Keep accurate maintenance logs that document activities performed, quantities of materials removed, and improvement actions.
- Keep accurate logs of spill response actions that document what was spilled, how it was cleaned up, and how the waste was disposed.
- Establish procedures to complete logs and file them in the central office.
- Keep accurate logs of daily clean-up operations.

Potential Limitations and Work-Arounds

Some facilities may have space constraints, limited staffing and time limitations that may preclude implementation of BMPs. Provided below are typical limitations and recommended "work-arounds."

- Space and time limitations may preclude all transfers from being performed indoors or under cover.
  - ✓ Designate specific areas for outdoor loading and unloading.
  - ✓ Require employees to understand and follow spill and leak prevention BMPs.
- It may not be possible to conduct transfers only during dry weather.
  - ✓ Limit materials and equipment rainfall exposure to all extents practicable.
  - ✓ Require employees to understand and follow spill and leak prevention BMPs.

Potential Capital Facility Costs and Operation & Maintenance Requirements

Facilities

Many facilities will already have indoor or covered areas where loading/unloading takes place and will require no additional capital expenditures.

If outdoor activities are required, construction of berms or other means to retain spills and leaks may require appropriate constructed systems for containment. These containment areas may require significant new capital investment.

Capital investments will likely be required at some sites if adequate cover and containment facilities do not exist and can vary significantly depending upon site conditions.

Maintenance

Most of the operations and maintenance activities associated with implementing this BMP are integrally linked to routine operations as previously described. Therefore additional O&M is not required.

- Conduct regular inspections and make repairs and improvements as necessary.
- Check loading and unloading equipment regularly for leaks.
- Conduct regular broom dry-sweeping of area. Do not wash with water.

Supplemental Information

Loading and Unloading of Liquids

- Loading or unloading of liquids should occur in the manufacturing building so that any spills that are not completely retained can be discharged to the sanitary sewer,

treatment plant, or treated in a manner consistent with local sewer authorities and permit requirements.

- For loading and unloading tank trucks to above and below ground storage tanks, the following procedures should be used:
  - ✓ The area where the transfer takes place should be paved. If the liquid is reactive with the asphalt, Portland cement should be used to pave the area.
  - ✓ The transfer area should be designed to prevent run-on of stormwater from adjacent areas. Sloping the pad and using a curb, like a speed bump, around the uphill side of the transfer area should reduce run-on.
  - ✓ The transfer area should be designed to prevent runoff of spilled liquids from the area. Sloping the area to a drain should prevent runoff. The drain should be connected to a dead-end sump or to the sanitary sewer. A positive control valve should be installed on the drain.
- For transfer from rail cars to storage tanks that must occur outside, use the following procedures:
  - ✓ Drip pans should be placed at locations where spillage may occur, such as hose connections, hose reels, and filler nozzles. Use drip pans when making and breaking connections.
  - ✓ Drip pan systems should be installed between the rails to collect spillage from tank cars.

References and Resources

Minnesota Pollution Control Agency, *Industrial Stormwater Best Management Practices Guidebook BMP 26 Fueling and Liquid Loading/Unloading Operations.* Available online at: http://www.pca.state.mn.us/index.php/view-document.html?gid=10557.

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Santa Clara Valley Urban Runoff Pollution Prevention Program. http://www.scvurppp-w2k.com/.

US EPA. National Pollutant Discharge Elimination System – Industrial Fact Sheet Series for Activities Covered by EPA's Multi Sector General Permit. Available online at: http://cfpub.epa.gov/npdes/stormwater/swsectors.cfm.

Outdoor Equipment Operations SC-32

Description

Outside process equipment operations and maintenance can contaminate stormwater runoff. Activities, such as grinding, painting, coating, sanding, degreasing or parts cleaning, landfills and waste piles, and solid waste treatment and disposal are examples of process operations that can lead to contamination of stormwater runoff. The targeted constituents will vary for each site depending on the operation being performed.

Approach

Implement source control BMPs to limit exposure of outdoor equipment to direct precipitation and stormwater run-on. Refer to SC-22 Vehicle and Equipment Repair for additional information.

General Pollution Prevention Protocols

- ☐ Perform the activity during dry periods whenever possible.
- ☐ Install secondary containment measures where leaks and spills may occur.
- ☐ Use non-toxic chemicals for maintenance and minimize or eliminate the use of solvents.
- ☐ Connect process equipment area to public sanitary sewer or facility wastewater treatment system when possible. Some jurisdictions require that secondary containment areas be connected to the sanitary sewer, prohibiting any hard connections to the storm drain.



Good Housekeeping

- ☐ Manage materials and waste properly (see Material Handling and Waste Management) to reduce adverse impacts on stormwater quality.

Objectives
■ *Cover*
■ *Contain*
■ *Educate*
■ *Reduce/Minimize*

Targeted Constituents	
Sediment	✓
Nutrients	✓
Trash	✓
Metals	✓
Bacteria	✓
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered	
Good Housekeeping	✓
Preventative Maintenance	✓
Spill and Leak Prevention and Response	✓
Material Handling & Waste Management	✓
Erosion and Sediment Controls	
Employee Training Program	✓
Quality Assurance Record Keeping	✓

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- Cover the work area with a permanent roof if possible.
- Use drop cloths for sanding and painting operations.
- Use a vacuum for fine particle clean-up in pavement cracks and crevices.
- Minimize contact of stormwater with outside process equipment operations through berming and drainage routing (run-on prevention).
- "Spot clean" leaks and drips routinely. Leaks are not cleaned up until the absorbent is picked up and disposed of properly.
- Paint signs on storm drain inlets to indicate that they are not to receive liquid or solid wastes.
- Use roll down or permanent walls when windy/breezy to prevent wind transport of particulates/pollutants.



Preventative Maintenance

- Design outdoor equipment areas to prevent stormwater runoff and spills. Use a perimeter drain or slope pavement inward with drainage to sump.
- Dry clean the work area regularly. Do not wash outdoor equipment with water if there is a direct connection to the storm drain.
- Pave area with concrete rather than asphalt.
- Inspect outdoor equipment regularly for leaks or spills. Also check for structural failure, spills and overfills due to operator error, and/or failure of piping system.
- Inspect and clean, if necessary, storm drain inlets and catch basins within the outdoor equipment area before October 1 each year.



Spill Response and Prevention Procedures

- Keep your Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date.
- Have employees trained in emergency spill cleanup procedures present when dangerous waste, liquid chemicals, or other wastes are delivered.
- Place a stockpile of spill cleanup materials where it will be readily accessible.
- Prevent operator errors by using engineering safe guards and thus reducing accidental releases of pollutant.



Material Handling and Waste Management

- Do not pour liquid wastes into floor drains, sinks, outdoor storm drain inlets, or other storm drain or sewer connections.
- Collect leaking or dripping fluids in drip pans or containers. Fluids are easier to recycle if kept separate.
- Promptly transfer used fluids to the proper waste or recycling drums. Do not leave drip pans or other open containers lying around.
- Minimize the possibility of stormwater pollution from outside waste receptacles by doing at least one of the following:
  - ✓ Use only watertight waste receptacle(s) and keep the lid(s) closed.
  - ✓ Grade and pave the waste receptacle area to prevent run-on of stormwater.
  - ✓ Install a roof over the waste receptacle area.



Employee Training Program

- Educate employees about pollution prevention measures and goals.
- Train employees on proper equipment operation and maintenance procedures.
- Train all employees upon hiring and annually thereafter on proper methods for handling and disposing of waste. Ensure that all employees understand stormwater discharge prohibitions, wastewater discharge requirements, and these best management practices.
- Use a training log or similar method to document training.
- Ensure that employees are familiar with the site's spill control plan and/or proper spill cleanup procedures.



Quality Assurance and Record Keeping

- Keep accurate maintenance logs that document minimum BMP activities performed for outdoor equipment, types and quantities of materials removed and disposed of, and any improvement actions.
- Keep accurate logs of spill response actions that document what was spilled, how it was cleaned up, and how the waste was disposed.
- Establish procedures to complete logs and file them in the central office.

Potential Limitations and Work-Arounds

Some facilities may have space constraints, limited staffing and time limitations that may preclude implementation of BMPs. Provided below are typical limitations and recommended "work-arounds."

- Providing cover over outdoor equipment may be impractical or cost-prohibitive.
  - ✓ Operate outdoor equipment only during periods of dry weather.
- Regular operations and time limitations may require outdoor activities during wet weather.
  - ✓ Designate specific areas for outdoor activities.
  - ✓ Allow time for work area clean-up after each shift.
  - ✓ Require employees to understand and follow preventive maintenance and spill and leak prevention BMPs.
  - ✓ Design and install secondary containment and good housekeeping BMPs for outdoor equipment area.
- Storage sheds often must meet building and fire code requirements.

Potential Capital Facility Costs and Operation & Maintenance Requirements

Facilities

- Many facilities will already have indoor covered areas where vehicle and equipment repairs take place and will require no additional capital expenditures.
- If outdoor activities are required, construction of berms or other means to retain spills and leaks may require appropriate constructed systems for containment. These containment areas may require significant new capital investment.
- Capital investments will likely be required at some sites if adequate cover and containment facilities do not exist and can vary significantly depending upon site conditions.

Maintenance

- Most of the operations and maintenance activities associated with implementing this BMP are integrally linked to routine operations as previously described. Therefore additional O&M is not required.
- For facilities responsible for pre-treating their wastewater prior to discharging, the proper functioning of structural treatment system is an important maintenance consideration.
- Routine cleanout of oil and grease is required for the devices to maintain their effectiveness, usually at least once a month. During periods of heavy rainfall, cleanout is required more often to ensure pollutants are not washed through the trap. Sediment removal is also required on a regular basis to keep the device working efficiently.

References and Resources

Minnesota Pollution Control Agency. *Industrial Stormwater Best Management Practices Guidebook BMP 26 Fueling and Liquid Loading/Unloading Operations.* Available online at: http://www.pca.state.mn.us/index.php/view-document.html?gid=10557.

New Jersey Department of Environmental Protection, 2013. *Basic Industrial Stormwater General Permit Guidance Document NJPDES General Permit No NJ0088315.* Available online at: http://www.nj.gov/dep/dwq/pdf/5G2_guidance_color.pdf.

Orange County Stormwater Program, Best Management Practices for Industrial/Commercial Business Activities. Available online at: http://ocwatersheds.com/documents/bmp/industrialcommercialbusinessesactivities.

Oregon Department of Environmental Quality, *Industrial Stormwater Best Management Practices Manual- BMP 26 Fueling and Liquid Loading/Unloading Operations,* February 2013. Available online at: http://www.deq.state.or.us/wq/wqpermit/docs/IndBMP021413.pdf.

Sacramento Stormwater Management Program. *Best Management Practices for Industrial Storm Water Pollution Control.* Available online at: http://www.msa.saccounty.net/sactostormwater/documents/guides/industrial-BMP-manual.pdf.

Sacramento County Environmental Management Stormwater Program: Best Management Practices. Available online at: http://www.emd.saccounty.net/EnvHealth/Stormwater/Stormwater-BMPs.html.

Santa Clara Valley Urban Runoff Pollution Prevention Program. http://www.scvurppp-w2k.com/

US EPA. National Pollutant Discharge Elimination System – Industrial Fact Sheet Series for Activities Covered by EPA's Multi Sector General Permit. Available online at: http://cfpub.epa.gov/npdes/stormwater/swsectors.cfm.

Waste Handling & Disposal SC-34

Description

Improper storage and handling of solid wastes can allow toxic compounds, oils and greases, heavy metals, nutrients, suspended solids, and other pollutants to enter stormwater runoff. The discharge of pollutants to stormwater from waste handling and disposal can be prevented and reduced by tracking waste generation, storage, and disposal; reducing waste generation and disposal through source reduction, reuse, and recycling; and preventing run-on and runoff.

Approach

Reduce potential for pollutant discharge through source control pollution prevention and BMP implementation. Successful implementation depends on effective training of employees on applicable BMPs and general pollution prevention strategies and objectives.

General Pollution Prevention Protocols

- ☐ Accomplish reduction in the amount of waste generated using the following source controls:
  - ✓ Production planning and sequencing;
  - ✓ Process or equipment modification;
  - ✓ Raw material substitution or elimination;
  - ✓ Loss prevention and housekeeping;
  - ✓ Waste segregation and separation; and
  - ✓ Close loop recycling.
- ☐ Establish a material tracking system to increase awareness about material usage. This may reduce spills and minimize contamination, thus reducing the amount of waste produced.
- ☐ Recycle materials whenever possible.

Objectives
■ *Cover*
■ *Contain*
■ *Educate*
■ *Reduce/Minimize*
■ *Product Substitution*

Targeted Constituents	
Sediment	
Nutrients	
Trash	
Metals	✓
Bacteria	✓
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered	
Good Housekeeping	✓
Preventative Maintenance	✓
Spill and Leak Prevention and Response	✓
Material Handling & Waste Management	✓
Erosion and Sediment Controls	
Employee Training Program	✓
Quality Assurance Record Keeping	✓

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- Use the entire product before disposing of the container.
- To the extent possible, store wastes under cover or indoors after ensuring all safety concerns such as fire hazard and ventilation are addressed.
- Provide containers for each waste stream at each work station. Allow time after shift to clean area.



Good Housekeeping

- Cover storage containers with leak proof lids or some other means. If waste is not in containers, cover all waste piles (plastic tarps are acceptable coverage) and prevent stormwater run-on and runoff with a berm. The waste containers or piles must be covered except when in use.
- Use drip pans or absorbent materials whenever grease containers are emptied by vacuum trucks or other means. Grease cannot be left on the ground. Collected grease must be properly disposed of as garbage.
- Dispose of rinse and wash water from cleaning waste containers into a sanitary sewer if allowed by the local sewer authority. Do not discharge wash water to the street or storm drain. Clean in a designated wash area that drains to a clarifier.
- Transfer waste from damaged containers into safe containers.
- Take special care when loading or unloading wastes to minimize losses. Loading systems can be used to minimize spills and fugitive emission losses such as dust or mist. Vacuum transfer systems can minimize waste loss.
- Keep the waste management area clean at all times by sweeping and cleaning up spills immediately.
- Use dry methods when possible (e.g., sweeping, use of absorbents) when cleaning around restaurant/food handling dumpster areas. If water must be used after sweeping/using absorbents, collect water and discharge through grease interceptor to the sewer.
- Stencil or demarcate storm drains on the facility's property with prohibitive message regarding waste disposal.
- Cover waste piles with temporary covering material such as reinforced tarpaulin, polyethylene, polyurethane, polypropylene or hypalon.
- If possible, move the activity indoor after ensuring all safety concerns such as fire hazard and ventilation are addressed.



Preventative Maintenance

- Prevent stormwater run-on from entering the waste management area by enclosing the area or building a berm around the area.
- Prevent waste materials from directly contacting rain.

- Cover waste piles with temporary covering material such as reinforced tarpaulin, polyethylene, polyurethane, polypropylene or hypalon.
- Cover the area with a permanent roof if feasible.
- Cover dumpsters to prevent rain from washing waste out of holes or cracks in the bottom of the dumpster.
- Check waste containers weekly for leaks and to ensure that lids are on tightly. Replace any that are leaking, corroded, or otherwise deteriorating.
- Sweep and clean the waste management area regularly. Use dry methods when possible (e.g., sweeping, vacuuming, use of absorbents) when cleaning around restaurant/food handling dumpster areas. If water must be used after sweeping/using absorbents, collect water and discharge through grease interceptor to the sewer.
- Inspect and replace faulty pumps or hoses regularly to minimize the potential of releases and spills.
- Repair leaking equipment including valves, lines, seals, or pumps promptly.



Spill Response and Prevention Procedures

- Keep your spill prevention and plan up-to-date.
- Have an emergency plan, equipment and trained personnel ready at all times to deal immediately with major spills.
- Collect all spilled liquids and properly dispose of them.
- Store and maintain appropriate spill cleanup materials in a location known to all near the designated wash area.
- Ensure that vehicles transporting waste have spill prevention equipment that can prevent spills during transport. Spill prevention equipment includes:
  - ✓ Vehicles equipped with baffles for liquid waste; and
  - ✓ Trucks with sealed gates and spill guards for solid waste.



Material Handling and Waste Management

Litter Control

- Post "No Littering" signs and enforce anti-litter laws.
- Provide a sufficient number of litter receptacles for the facility.
- Clean out and cover litter receptacles frequently to prevent spillage.

Waste Collection

- Keep waste collection areas clean.

- Inspect solid waste containers for structural damage regularly. Repair or replace damaged containers as necessary.
- Secure solid waste containers; containers must be closed tightly when not in use.
- Do not fill waste containers with washout water or any other liquid.
- Ensure that only appropriate solid wastes are added to the solid waste container. Certain wastes such as hazardous wastes, appliances, fluorescent lamps, pesticides, etc., may not be disposed of in solid waste containers (see chemical/ hazardous waste collection section below).
- Do not mix wastes; this can cause chemical reactions, make recycling impossible, and complicate disposal. Affix labels to all waste containers.

Chemical/Hazardous Wastes

- Select designated hazardous waste collection areas on-site.
- Store hazardous materials and wastes in covered containers and protect them from vandalism.
- Place hazardous waste containers in secondary containment.
- Make sure that hazardous waste is collected, removed, and disposed of only at authorized disposal areas.
- Hazardous waste cannot be reused or recycled; it must be disposed of by a licensed hazardous waste hauler.



Employee Training Program

- Educate employees about pollution prevention measures and goals.
- Train employees how to properly handle and dispose of waste using the source control BMPs described above.
- Train employees and subcontractors in proper hazardous waste management.
- Use a training log or similar method to document training.
- Ensure that employees are familiar with the site's spill control plan and/or proper spill cleanup procedures.



Quality Assurance and Record Keeping

- Keep accurate maintenance logs that document minimum BMP activities performed for waste handling and disposal, types and quantities of waste disposed of, and any improvement actions.
- Keep accurate logs of spill response actions that document what was spilled, how it was cleaned up, and how the waste was disposed.

- Establish procedures to complete logs and file them in the central office.

Potential Capital Facility Costs and Operation & Maintenance Requirements

Facilities

- Capital costs will vary substantially depending on the size of the facility and the types of waste handled. Significant capital costs may be associated with reducing wastes by modifying processes or implementing closed-loop recycling.
- Many facilities will already have indoor covered areas where waste materials will be stored and will require no additional capital expenditures for providing cover.
- If outdoor storage of wastes is required, construction of berms or other means to prevent stormwater run-on and runoff may require appropriate constructed systems for containment.
- Capital investments will likely be required at some sites if adequate cover and containment facilities do not exist and can vary significantly depending upon site conditions.

Maintenance

- Check waste containers weekly for leaks and to ensure that lids are on tightly. Replace any that are leaking, corroded, or otherwise deteriorating.
- Sweep and clean the waste management area regularly. Use dry methods when possible (e.g., sweeping, use of absorbents) when cleaning around restaurant/food handling dumpster areas. If water must be used after sweeping/using absorbents, collect water and discharge through grease interceptor to the sewer.
- Inspect and replace faulty pumps or hoses regularly to minimize the potential of releases and spills.
- Repair leaking equipment including valves, lines, seals, or pumps promptly.

References and Resources

Minnesota Pollution Control Agency, *Industrial Stormwater Best Management Practices Guidebook*. Available online at: http://www.pca.state.mn.us/index.php/view-document.html?gid=10557.

New Jersey Department of Environmental Protection, 2013. *Basic Industrial Stormwater General Permit Guidance Document NJPDES General Permit No NJ0088315,* Revised. Available online at: http://www.nj.gov/dep/dwq/pdf/5G2_guidance_color.pdf.

Orange County Stormwater Program, Best Management Practices for Industrial/Commercial Business Activities. Available online at: http://ocwatersheds.com/documents/bmp/industrialcommercialbusinessesactivities

Oregon Department of Environmental Quality, 2013. *Industrial Stormwater Best Management Practices Manual- BMP 26 Fueling and Liquid Loading/Unloading Operations*. Available online at: http://www.deq.state.or.us/wq/wqpermit/docs/IndBMP021413.pdf.

Sacramento Stormwater Management Program. *Best Management Practices for Industrial Storm Water Pollution Control*. Available online at: http://www.msa.saccounty.net/sactostormwater/documents/guides/industrial-BMP-manual.pdf.

Sacramento County Environmental Management Stormwater Program: Best Management Practices. Available online at: http://www.emd.saccounty.net/EnvHealth/Stormwater/Stormwater-BMPs.html.

Santa Clara Valley Urban Runoff Pollution Prevention Program. http://www.scvurppp-w2k.com/

US EPA. National Pollutant Discharge Elimination System – Industrial Fact Sheet Series for Activities Covered by EPA's Multi Sector General Permit. Available online at: http://cfpub.epa.gov/npdes/stormwater/swsectors.cfm.

Safer Alternative Products SC-35

Description

Promote the use of less harmful products and products that contain little or no TMDL and 303(d) list pollutants. Alternatives exist for most product classes including chemical fertilizers, pesticides, cleaning solutions, janitorial chemicals, automotive and paint products, and consumables (batteries, fluorescent lamps).

Approach

Pattern a new program after the many established programs around the state and country. Integrate this best management practice as much as possible with existing programs at your facility.

Develop a comprehensive program based on:

- The "Precautionary Principle," which is an alternative to the "Risk Assessment" model that says it's acceptable to use a potentially harmful product until physical evidence of its harmful effects are established and deemed too costly from an environmental or public health perspective. For instance, a risk assessment approach might say it's acceptable to use a pesticide until there is direct proof of an environmental impact. The Precautionary Principle approach is used to evaluate whether a given product is safe, whether it is really necessary, and whether alternative products would perform just as well.
- Environmentally Preferable Purchasing Program to minimize the purchase of products containing hazardous ingredients used in the facility's custodial services, fleet maintenance, and facility maintenance in favor of using alternate products that pose less risk to employees and to the environment.
- Integrated Pest Management (IPM) or Less-Toxic Pesticide Program, which uses a pest management approach that minimizes the use of toxic chemicals and gets rid of pests

Objectives
■ *Educate*
■ *Reduce/Minimize*
■ *Product Substitution*

Targeted Constituents	
Sediment	
Nutrients	✓
Trash	
Metals	✓
Bacteria	
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered	
Good Housekeeping	
Preventative Maintenance	
Spill and Leak Prevention and Response	
Material Handling & Waste Management	
Erosion and Sediment Controls	
Employee Training Program	✓
Quality Assurance Record Keeping	

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by methods that pose a lower risk to employees, the public, and the environment.

- Energy Efficiency Program including no-cost and low-cost energy conservation and efficiency actions that can reduce both energy consumption and electricity bills, along with long-term energy efficiency investments.

Consider the following mechanisms for developing and implementing a comprehensive program:

- Policies
- Procedures
  - ✓ Standard operating procedures (SOPs);
  - ✓ Purchasing guidelines and procedures; and
  - ✓ Bid packages (services and supplies).
- Materials
  - ✓ Preferred or approved product and supplier lists;
  - ✓ Product and supplier evaluation criteria;
  - ✓ Training sessions and manuals; and
  - ✓ Fact sheets for employees.

Implement this BMP in conjunction with the Vehicle and Equipment Management fact sheets (SC-20 – SC-22) and SC-41 Building and Grounds Maintenance.



Employee Training Program

- Employees who handle potentially harmful materials should be trained in the use of safer alternatives.
- Purchasing departments should be trained on safer alternative products and encouraged to procure less hazardous materials and products that contain little or no harmful substances or TMDL pollutants.
- Employees and contractors / service providers can both be educated about safer alternatives by using information developed by a number of organizations including the references and resources provided in this fact sheet.

Potential Limitations and Work-Arounds

Some facilities may have space constraints, limited staffing and time limitations that may preclude implementation of BMPs. Provided below are typical limitations and recommended "work-arounds"

- Alternative products may not be available, suitable, or effective in every case.

- ✓ Minimize use of hazardous/harmful products if no alternative product is available.

Regulatory Considerations

This BMP has no regulatory requirements unless local/municipal ordinance applies. Existing regulations already encourage facilities to reduce the use of hazardous materials through incentives such as reduced:

- Specialized equipment storage and handling requirements;
- Storm water runoff sampling requirements;
- Training and licensing requirements; and
- Record keeping and reporting requirements.

Cost Considerations

- The primary cost is for staff time to: 1) develop new policies and procedures and 2) educate purchasing departments and employees who handle potentially harmful materials about the availability, procurement, and use of safer alternatives.
- Some alternative products may be slightly more expensive than conventional products.

Supplemental Information

The following discussion provides some general information on safer alternatives. More specific information on particular hazardous materials and the available alternatives may be found in the references and resources listed below.

- Automotive products – Less toxic alternatives are not available for many automotive products, especially engine fluids. But there are alternatives to grease lubricants, car polishes, degreasers, and windshield washer solution. Refined motor oil is also available.
- Vehicle/Trailer lubrication – Fifth wheel bearings on trucks require routine lubrication. Adhesive lubricants are available to replace typical chassis grease.
- Cleaners – Vegetables-based or citrus-based soaps are available to replace petroleum-based soaps/detergents.
- Paint products – Water-based paints, wood preservatives, stains, and finishes with low VOC content are available.
- Pesticides – Specific alternative products or methods exist to control most insects, fungi, and weeds.
- Chemical Fertilizers – Compost and soil amendments are natural alternatives.
- Consumables – Manufacturers have either reduced or are in the process of reducing the amount of heavy metals in consumables such as batteries and fluorescent lamps.

All fluorescent lamps contain mercury, however low-mercury containing lamps are now available from most hardware and lighting stores. Fluorescent lamps are also more energy efficient than the average incandescent lamp.

- Janitorial chemicals – Even biodegradable soap can harm fish and wildlife before it biodegrades. Biodegradable does not mean non-toxic. Safer products and procedures are available for floor stripping and cleaning, as well as carpet, glass, metal, and restroom cleaning and disinfecting. Use paper products with post-consumer recycled content and implement electric had dryers.

Examples

There are a number of business and trade associations, and communities with effective programs. Some of the more prominent are listed below in the references and resources section.

References and Resources

Note: Many of these references provide alternative products for materials that typically are used inside and disposed to the sanitary sewer as well as alternatives to products that usually end up in the storm drain.

General Sustainable Practices and Pollution Prevention Including Pollutant-Specific Information

California Department of Toxic Substances Control, http://www.dtsc.ca.gov/PollutionPrevention/GreenTechnology/Index.cfm.

CalRecycle, http://www.calrecycle.ca.gov/Business/Regulated.htm.

City of Santa Monica Office of Sustainability and Environment, http://www.smgov.net/departments/ose/.

City of Palo Alto, http:// www.city.palo-alto.ca.us/cleanbay.

City and County of San Francisco, Department of the Environment, http://www.sfenvironment.org/toxics-health/greener-business-practices.

Green Business Program, http://www.greenbiz.ca.gov/GRlocal.html .

Product Stewardship Institute, http://www.productstewardship.us/index.cfm.

Sacramento Clean Water Business Partners. http://www.sacstormwater.org/CleanWaterBusinessPartners/CleanWaterBusinessPartners.html.

USEPA. National Pollutant Discharge Elimination System (NPDES) Stormwater Discharges From Industrial Facilities, http://cfpub.epa.gov/npdes/stormwater/indust.cfm.

USEPA Region IX Pollution Prevention Program, http://www.epa.gov/region9/waste/p2/business.html.

Western Sustainability and Pollution Prevention Network, http://wsppn.org/.

Metals (mercury, copper)

National Electrical Manufacturers Association – Environmental Stewardship, http://www.nema.org/Policy/Environmental-Stewardship/pages/default.aspx.

Sustainable Conservation, http://www.suscon.org.

Auto Recycling Project

Brake Pad Partnership

Pesticides and Chemical Fertilizers

Bio-Integral Resource Center, http://www.birc.org.

California Department of Pesticide Regulation, http://www.cdpr.ca.gov/dprprograms.htm.

University of California Statewide IPM Program, http://www.ipm.ucdavis.edu/default.html.

Dioxins

Bay Area Dioxins Project, http://www.abag.ca.gov/bayarea/dioxin/project_materials.htm.

Building & Grounds Maintenance SC-41

Description

Stormwater runoff from building and grounds maintenance activities can be contaminated with toxic hydrocarbons in solvents, fertilizers and pesticides, suspended solids, heavy metals, abnormal pH, and oils and greases. Utilizing the protocols in this fact sheet will prevent or reduce the discharge of pollutants to stormwater from building and grounds maintenance activities by washing and cleaning up with as little water as possible, following good landscape management practices, preventing and cleaning up spills immediately, keeping debris from entering the storm drains, and maintaining the stormwater collection system.

Approach

Reduce potential for pollutant discharge through source control pollution prevention and BMP implementation. Successful implementation depends on effective training of employees on applicable BMPs and general pollution prevention strategies and objectives.

General Pollution Prevention Protocols

- ☐ Switch to non-toxic chemicals for maintenance to the maximum extent possible.
- ☐ Choose cleaning agents that can be recycled.
- ☐ Encourage proper lawn management and landscaping, including use of native vegetation.
- ☐ Encourage use of Integrated Pest Management techniques for pest control.
- ☐ Encourage proper onsite recycling of yard trimmings.
- ☐ Recycle residual paints, solvents, lumber, and other material as much as possible.

Objectives
■ *Cover*
■ *Contain*
■ *Educate*
■ *Reduce/Minimize*
■ *Product Substitution*

Targeted Constituents	
Sediment	✓
Nutrients	✓
Trash	
Metals	✓
Bacteria	✓
Oil and Grease	
Organics	

Minimum BMPs Covered	
Good Housekeeping	✓
Preventative Maintenance	
Spill and Leak Prevention and Response	✓
Material Handling & Waste Management	✓
Erosion and Sediment Controls	
Employee Training Program	✓
Quality Assurance Record Keeping	✓

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- Clean work areas at the end of each work shift using dry cleaning methods such as sweeping and vacuuming.



Good Housekeeping

Pressure Washing of Buildings, Rooftops, and Other Large Objects

- In situations where soaps or detergents are used and the surrounding area is paved, pressure washers must use a water collection device that enables collection of wash water and associated solids. A sump pump, wet vacuum or similarly effective device must be used to collect the runoff and loose materials. The collected runoff and solids must be disposed of properly.

- If soaps or detergents are not used, and the surrounding area is paved, wash runoff does not have to be collected but must be screened. Pressure washers must use filter fabric or some other type of screen on the ground and/or in the catch basin to trap the particles in wash water runoff.

- If you are pressure washing on a grassed area (with or without soap), runoff must be dispersed as sheet flow as much as possible, rather than as a concentrated stream. The wash runoff must remain on the grass and not drain to pavement.

Landscaping Activities

- Dispose of grass clippings, leaves, sticks, or other collected vegetation as garbage, or by composting. Do not dispose of collected vegetation into waterways or storm drainage systems.

- Use mulch or other erosion control measures on exposed soils. See also SC-40, Contaminated and Erodible Areas, for more information.

Building Repair, Remodeling, and Construction

- Do not dump any toxic substance or liquid waste on the pavement, the ground, or toward a storm drain.

- Use ground or drop cloths underneath outdoor painting, scraping, and sandblasting work, and properly dispose of collected material daily.

- Use a ground cloth or oversized tub for activities such as paint mixing and tool cleaning.

- Clean paintbrushes and tools covered with water-based paints in sinks connected to sanitary sewers or in portable containers that can be dumped into a sanitary sewer drain. Brushes and tools covered with non-water-based paints, finishes, or other materials must be cleaned in a manner that enables collection of used solvents (e.g., paint thinner, turpentine, etc.) for recycling or proper disposal.

- Use a storm drain cover, filter fabric, or similarly effective runoff control mechanism if dust, grit, wash water, or other pollutants may escape the work area and enter a catch basin. This is particularly necessary on rainy days. The containment device(s) must be in place at the beginning of the work day, and accumulated dirty runoff and

solids must be collected and disposed of before removing the containment device(s) at the end of the work day.

- If you need to de-water an excavation site, you may need to filter the water before discharging to a catch basin or off-site. If directed off-site, you should direct the water through hay bales and filter fabric or use other sediment filters or traps.
- Store toxic material under cover during precipitation events and when not in use. A cover would include tarps or other temporary cover material.

Mowing, Trimming, and Planting

- Dispose of leaves, sticks, or other collected vegetation as garbage, by composting or at a permitted landfill. Do not dispose of collected vegetation into waterways or storm drainage systems.
- Use mulch or other erosion control measures when soils are exposed.
- Place temporarily stockpiled material away from watercourses and drain inlets, and berm or cover stockpiles to prevent material releases to the storm drain system.
- Consider an alternative approach when bailing out muddy water: do not put it in the storm drain; pour over landscaped areas.
- Use hand weeding where practical.

Fertilizer and Pesticide Management

- Do not use pesticides if rain is expected.
- Do not mix or prepare pesticides for application near storm drains.
- Use the minimum amount needed for the job.
- Calibrate fertilizer distributors to avoid excessive application.
- Employ techniques to minimize off-target application (e.g., spray drift) of pesticides, including consideration of alternative application techniques.
- Apply pesticides only when wind speeds are low.
- Fertilizers should be worked into the soil rather than dumped or broadcast onto the surface.
- Irrigate slowly to prevent runoff and then only as much as is needed.
- Clean pavement and sidewalk if fertilizer is spilled on these surfaces before applying irrigation water.

Inspection

- Inspect irrigation system periodically to ensure that the right amount of water is being applied and that excessive runoff is not occurring. Minimize excess watering and repair leaks in the irrigation system as soon as they are observed.

Building & Grounds Maintenance SC-41



Spill Response and Prevention Procedures

- ☐ Keep your Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date.
- ☐ Place a stockpile of spill cleanup materials, such as brooms, dustpans, and vacuum sweepers (if desired) near the storage area where it will be readily accessible.
- ☐ Have employees trained in spill containment and cleanup present during the loading/unloading of dangerous wastes, liquid chemicals, or other materials.
- ☐ Familiarize employees with the Spill Prevention Control and Countermeasure Plan.
- ☐ Clean up spills immediately.



Material Handling and Waste Management

- ☐ Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers and pesticides and training of applicators and pest control advisors.
- ☐ Use less toxic pesticides that will do the job when applicable. Avoid use of copper-based pesticides if possible.
- ☐ Dispose of empty pesticide containers according to the instructions on the container label.
- ☐ Use up the pesticides. Rinse containers, and use rinse water as product. Dispose of unused pesticide as hazardous waste.
- ☐ Implement storage requirements for pesticide products with guidance from the local fire department and County Agricultural Commissioner. Provide secondary containment for pesticides.



Employee Training Program

- ☐ Educate and train employees on pesticide use and in pesticide application techniques to prevent pollution.
- ☐ Train employees and contractors in proper techniques for spill containment and cleanup.
- ☐ Be sure the frequency of training takes into account the complexity of the operations and the needs of individual staff.



Quality Assurance and Record Keeping

- ☐ Keep accurate logs that document maintenance activities performed and minimum BMP measures implemented.
- ☐ Keep accurate logs of spill response actions that document what was spilled, how it was cleaned up, and how the waste was disposed.
- ☐ Establish procedures to complete logs and file them in the central office.

Potential Capital Facility Costs and Operation & Maintenance Requirements

Facilities

- Additional capital costs are not anticipated for building and grounds maintenance. Implementation of the minimum BMPs described above should be conducted as part of regular site operations.

Maintenance

- Maintenance activities for the BMPs described above will be minimal, and no additional cost is anticipated.

Supplemental Information

Fire Sprinkler Line Flushing

Site fire sprinkler line flushing may be a source of non-stormwater runoff pollution. The water entering the system is usually potable water, though in some areas it may be non-potable reclaimed wastewater. There are subsequent factors that may drastically reduce the quality of the water in such systems. Black iron pipe is usually used since it is cheaper than potable piping, but it is subject to rusting and results in lower quality water. Initially, the black iron pipe has an oil coating to protect it from rusting between manufacture and installation; this will contaminate the water from the first flush but not from subsequent flushes. Nitrates, poly-phosphates and other corrosion inhibitors, as well as fire suppressants and antifreeze may be added to the sprinkler water system. Water generally remains in the sprinkler system a long time (typically a year) and between flushes may accumulate iron, manganese, lead, copper, nickel, and zinc. The water generally becomes anoxic and contains living and dead bacteria and breakdown products from chlorination. This may result in a significant BOD problem and the water often smells. Consequently dispose fire sprinkler line flush water into the sanitary sewer. Do not allow discharge to storm drain or infiltration due to potential high levels of pollutants in fire sprinkler line water.

References and Resources

City of Seattle, Seattle Public Utilities Department of Planning and Development, 2009. *Stormwater Manual Vol. 1 Source Control Technical Requirements Manual.*

Kennedy/Jenks Consultants, 2007. *The Truckee Meadows Industrial and Commercial Storm Water Best Management Practices Handbook.* Available online at: http://www.cityofsparks.us/sites/default/files/assets/documents/env-control/construction/TM-I-C_BMP_Handbook_2-07-final.pdf.

Orange County Stormwater Program, Best Management Practices for Industrial/Commercial Business Activities. Available online at: http://ocwatersheds.com/documents/bmp/industrialcommercialbusinessesactivities.

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http://www.msa.saccounty.net/sactostormwater/documents/guides/industrial-BMP-manual.pdf.

US EPA, 1997. *Best Management Practices Handbook for Hazardous Waste Containers*. Available online at: http://www.epa.gov/region6/6en/h/handbk4.pdf.

Ventura Countywide Stormwater Management Program Clean Business Fact Sheets. Available online at: http://www.vcstormwater.org/documents/programs_business/building.pdf.

Building Repair and Construction SC-42

Description

Site modifications are common, particularly at large industrial sites. The activity may vary from minor and normal building repair to major remodeling, or the construction of new facilities. These activities can generate pollutants including solvents, paints, paint and varnish removers, finishing residues, spent thinners, soap cleaners, kerosene, asphalt and concrete materials, adhesive residues, and old asbestos installation. Protocols in this fact sheet are intended to prevent or reduce the discharge of pollutants to stormwater from building repair, remodeling, and minor construction by using soil erosion controls, enclosing or covering building material storage areas, using good housekeeping practices, using safer alternative products, and training employees.

This fact sheet is intended to be used for minor repairs and construction. If major construction is required, the guidelines in the Construction BMP Handbook should be followed.

Approach

The BMP approach is to reduce potential for pollutant discharges through source control pollution prevention and BMP implementation. Successful implementation depends on effective training of employees on applicable BMPs and general pollution prevention strategies and objectives.

General Pollution Prevention Protocols

- ☐ Recycle residual paints, solvents, lumber, and other materials to the maximum extent practicable.
- ☐ Avoid outdoor repairs and construction during periods of wet weather.
- ☐ Use safer alternative products to the maximum extent practicable. See also SC-35 Safer Alternative Products for more information.

Objectives
■ *Cover*
■ *Contain*
■ *Educate*
■ *Reduce/Minimize*
■ *Product Substitution*

Targeted Constituents	
Sediment	✓
Nutrients	
Trash	✓
Metals	✓
Bacteria	
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered	
Good Housekeeping	✓
Preventative Maintenance	
Spill and Leak Prevention and Response	✓
Material Handling & Waste Management	✓
Erosion and Sediment Controls	✓
Employee Training Program	✓
Quality Assurance Record Keeping	✓

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- Buy recycled products to the maximum extent practicable.
- Inform on-site contractors of company policy on these matters and include appropriate provisions in their contract to ensure certain proper housekeeping and disposal practices are implemented.
- Make sure that nearby storm drains are well marked to minimize the chance of inadvertent disposal of residual paints and other liquids.



Good Housekeeping

Repair & Remodeling

- Keep the work site clean and orderly. Remove debris in a timely fashion. Sweep and vacuum the area regularly to remove sediments and small debris.
- Cover raw materials of particular concern that must be left outside, particularly during the rainy season. See also SC-33 Outdoor Storage of Raw Materials for more information.
- Use equipment and tools such as bag sanders to reduce accumulation of debris.
- Limit/prohibit work on windy days; implement roll-down walls or other measures to reduce wind transport of pollutants.
- Do not dump waste liquids down the storm drain.
- Dispose of wash water, sweepings, and sediments properly.
- Store liquid materials properly that are normally used in repair and remodeling such as paints and solvents. See also SC-31 Outdoor Liquid Container Storage for more information.
- Sweep out rain gutters or wash the gutter and trap the particles at the outlet of the downspout. A sock or geofabric placed over the outlet may effectively trap the materials. If the downspout is tight lined, place a temporary plug at the first convenient point in the storm drain and pump out the water with a vactor truck, and clean the catch basin sump where you placed the plug.
- Clean the storm drain system in the immediate vicinity of the construction activity after it is completed. See also SC-44 Drainage System Maintenance for more information.

Painting

- Enclose painting operations consistent with local air quality regulations and OSHA.
- Local air pollution regulations may, in many areas of the state, specify painting procedures which if properly carried out are usually sufficient to protect water quality.
- Develop paint handling procedures for proper use, storage, and disposal of paints.

- Transport paint and materials to and from job sites in containers with secure lids and tied down to the transport vehicle.
- Test and inspect spray equipment prior to starting to paint. Tighten all hoses and connections and do not overfill paint containers.
- Mix paint indoors before using so that any spill will not be exposed to rain. Do so even during dry weather because cleanup of a spill will never be 100 percent effective.
- Transfer and load paint and hot thermoplastic away from storm drain inlets.
- Do not transfer or load paint near storm drain inlets.
- Plug nearby storm drain inlets prior to starting painting and remove plugs when job is complete when there is risk of a spill reaching storm drains.
- Cover nearby storm drain inlets prior to starting work if sand blasting is used to remove paint.
- Use a ground cloth to collect the chips if painting requires scraping or sand blasting of the existing surface. Dispose of the residue properly.
- Cover or enclose painting operations properly to avoid drift.
- Clean the application equipment in a sink that is connected to the sanitary sewer if using water based paints.
- Capture all cleanup-water and dispose of properly.
- Dispose of paints containing lead or tributyl tin and considered a hazardous waste properly.
- Store leftover paints if they are to be kept for the next job properly, or dispose properly.
- Recycle paint when possible. Dispose of paint at an appropriate household hazardous waste facility.



Spill Response and Prevention Procedures

- Keep your spill prevention and control plan up-to-date.
- Place a stockpile of spill cleanup materials where it will be readily accessible.
- Clean up spills immediately.
- Excavate and remove the contaminated (stained) soil if a spill occurs on dirt.



Material Handling and Waste Management

- Post “No Littering” signs and enforce anti-litter laws.

- Provide a sufficient number of litter receptacles for the facility.
- Clean out and cover litter receptacles frequently to prevent spillage.
- Keep waste collection areas clean.
- Inspect solid waste containers for structural damage regularly. Repair or replace damaged containers as necessary.
- Secure solid waste containers; containers must be closed tightly when not in use.
- Do not fill waste containers with washout water or any other liquid.
- Ensure that only appropriate solid wastes are added to the solid waste container. Certain wastes such as hazardous wastes, appliances, fluorescent lamps, pesticides, etc., may not be disposed of in solid waste containers (see chemical/ hazardous waste collection section below).
- Do not mix wastes; this can cause chemical reactions, make recycling impossible, and complicate disposal. Affix labels to all waste containers.
- Make sure that hazardous waste is collected, removed, and disposed of properly. See also SC-34, Waste Handling and Disposal for more information.



Sediment and Erosion Controls

- Limit disturbance to bare soils and preserve natural vegetation whenever possible. See also EC-2, Preservation of Existing Vegetation, in the Construction BMP Handbook.
- Stabilize loose soils by re-vegetating whenever possible. See also EC-4 Hydroseeding, in the Construction BMP Handbook.
- Utilize non-vegetative stabilization methods for areas prone to erosion where vegetative options are not feasible. Examples include:
  - ✓ Areas of vehicular or pedestrian traffic such as roads or paths;
  - ✓ Arid environments where vegetation would not provide timely ground coverage, or would require excessive irrigation;
  - ✓ Rocky substrate, infertile or droughty soils where vegetation would be difficult to establish; and
  - ✓ Areas where vegetation will not grow adequately within the construction time frame.

  There are several non-vegetative stabilization methods and selection should be based on site-specific conditions. See also EC-16 Non-Vegetative Stabilization, in the Construction BMP Handbook.

- Utilize chemical stabilization when needed. See also EC-5 Soil Binders, in the Construction BMP Handbook.
- Use geosynthetic membranes to control erosion if feasible. See also EC-7 Geotextiles and Mats, in the Construction BMP Handbook.
- Stabilize all roadways, entrances, and exits to sufficiently control discharges of erodible materials from discharging or being tracked off the site. See also TC 1-3 Tracking Control, in the Construction BMP Handbook.
- Refer to the supplemental information provided below for projects that involve more extensive soil disturbance activities.



Employee Training Program

- Educate employees about pollution prevention measures and goals.
- Train employees how to properly implement the source control BMPs described above. Detailed information for Sediment and Erosion Control BMPs is provided in the Construction BMP Handbook.
- Proper education of off-site contractors is often overlooked. The conscientious efforts of well trained employees can be lost by unknowing off-site contractors, so make sure they are well informed about pollutant source control responsibilities.
- Use a training log or similar method to document training.



Quality Assurance and Record Keeping

- Keep accurate maintenance logs that document minimum BMP activities performed for building repair and construction, types and quantities of waste disposed of, and any improvement actions.
- Keep accurate logs of spill response actions that document what was spilled, how it was cleaned up, and how the waste was disposed.
- Establish procedures to complete logs and file them in the central office.

Potential Limitations and Work-Arounds

Some facilities may have space constraints, limited staffing and time limitations that may preclude implementation of BMPs. Provided below are typical limitations and recommended "work-arounds."

- This BMP is for minor construction only. The State's General Construction Activity Stormwater Permit has more extensive requirements for larger projects that would disturb one or more acres of surface.
  - ✓ Refer to the companion "Construction Best Management Practice Handbook" which contains specific guidance and best management practices for larger-scale projects.

- Time constraints may require some outdoor repairs and construction during wet weather.
  - ✓ Require employees to understand and follow good housekeeping and spill and leak prevention BMPs.
  - ✓ Inspect sediment and erosion control BMPs daily during periods of wet weather and repair or improve BMP implementation as necessary.
- Hazardous waste that cannot be reused or recycled must be disposed of by a licensed hazardous waste hauler.
  - ✓ Minimize use of hazardous materials to the maximum extent practicable.
- Be certain that actions to help stormwater quality are consistent with Cal- and Fed-OSHA and air quality regulations.
- Prices for recycled/safer alternative materials and fluids may be higher than those of conventional materials.

Potential Capital Facility Costs and Operation & Maintenance Requirements

Facilities

- Limited capital investments may be required at some sites if adequate cover and containment facilities do not exist for construction materials and wastes.
- Purchase and installation of erosion and sediment controls, if needed will require additional capital investments, and this amount will vary depending on site characteristics and the types of BMPs being implemented.
- Minimize costs by maintaining existing vegetation and limiting construction operations on bare soils.

Maintenance

- The erosion and sediment control BMPs described above require periodic inspection and maintenance to remain effective. The cost of these actions will vary depending on site characteristics and the types of BMPs being implemented.
- Irrigation costs may be required to establish and maintain vegetation.

Supplemental Information

Soil/Erosion Control

If the work involves exposing large areas of soil, employ the appropriate soil erosion and control techniques. See the Construction Best Management Practice Handbook. If old buildings are being torn down and not replaced in the near future, stabilize the site using measures described in SC-40 Contaminated or Erodible Areas.

If a building is to be placed over an open area with a storm drainage system, make sure the storm inlets within the building are covered or removed, or the storm line is connected to the sanitary sewer. If because of the remodeling a new drainage system is to be installed or the existing system is to be modified, consider installing catch basins as they serve as effective "in-line" treatment devices. Include in the catch basin a "turn-down" elbow or similar device to trap floatables.

References and Resources

City of Seattle, Seattle Public Utilities Department of Planning and Development, 2009. *Stormwater Manual Vol. 1 Source Control Technical Requirements Manual*.

California Stormwater Quality Association, 2012. *Construction Stormwater Best Management Practice Handbook*. Available at http://www.casqa.org.

Kennedy/Jenks Consultants, 2007. *The Truckee Meadows Industrial and Commercial Storm Water Best Management Practices Handbook*. Available online at: http://www.cityofsparks.us/sites/default/files/assets/documents/env-control/construction/TM-I-C_BMP_Handbook_2-07-final.pdf.

Sacramento Stormwater Management Program. *Best Management Practices for Industrial Storm Water Pollution Control*. Available online at: http://www.msa.saccounty.net/sactostormwater/documents/guides/industrial-BMP-manual.pdf.

US EPA. *Construction Site Stormwater Runoff Control*. Available online at: http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=4.

Parking Area Maintenance SC-43

Description

Parking lots can contribute a number of substances, such as trash, suspended solids, hydrocarbons, oil and grease, and heavy metals that can enter receiving waters through stormwater runoff or non-stormwater discharges. The protocols in this fact sheet are intended to prevent or reduce the discharge of pollutants from parking areas and include using good housekeeping practices, following appropriate cleaning BMPs, and training employees.

BMPs for other outdoor areas on site (loading/unloading, material storage, and equipment operations) are described in SC-30 through SC-33.

Approach

The goal of this program is to ensure stormwater pollution prevention practices are considered when conducting activities on or around parking areas to reduce potential for pollutant discharge to receiving waters. Successful implementation depends on effective training of employees on applicable BMPs and general pollution prevention strategies and objectives.

General Pollution Prevention Protocols

- ☐ Encourage advanced designs and maintenance strategies for impervious parking lots. Refer to the treatment control BMP fact sheets in this manual for additional information.
- ☐ Keep accurate maintenance logs to evaluate BMP implementation.



Good Housekeeping

- ☐ Keep all parking areas clean and orderly. Remove debris, litter, and sediments in a timely fashion.
- ☐ Post "No Littering" signs and enforce anti-litter laws.

Objectives
■ *Cover*
■ *Contain*
■ *Educate*
■ *Reduce/Minimize*
■ *Product Substitution*

Targeted Constituents	
Sediment	✓
Nutrients	
Trash	✓
Metals	✓
Bacteria	
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered		
	*Good Housekeeping*	✓
	*Preventative Maintenance*	✓
	*Spill and Leak Prevention and Response*	✓
	*Material Handling & Waste Management*	
	*Erosion and Sediment Controls*	
	*Employee Training Program*	✓
	*Quality Assurance Record Keeping*	✓

- ☐ Provide an adequate number of litter receptacles.
- ☐ Clean out and cover litter receptacles frequently to prevent spillage.



Preventative Maintenance

Inspection

Have designated personnel conduct inspections of parking facilities and stormwater conveyance systems associated with parking facilities on a regular basis.

- ☐ Inspect cleaning equipment/sweepers for leaks on a regular basis.

Surface Cleaning

- ☐ Use dry cleaning methods (e.g., sweeping, vacuuming) to prevent the discharge of pollutants into the stormwater conveyance system if possible.
- ☐ Establish frequency of public parking lot sweeping based on usage and field observations of waste accumulation.
- ☐ Sweep all parking lots at least once before the onset of the wet season.
- ☐ Dispose of parking lot sweeping debris and dirt at a landfill.
- ☐ Follow the procedures below if water is used to clean surfaces:
  - ✓ Block the storm drain or contain runoff.
  - ✓ Collect and pump wash water to the sanitary sewer or discharge to a pervious surface. Do not allow wash water to enter storm drains.
- ☐ Follow the procedures below when cleaning heavy oily deposits:
  - ✓ Clean oily spots with absorbent materials.
  - ✓ Use a screen or filter fabric over inlet, then wash surfaces.
  - ✓ Do not allow discharges to the storm drain.
  - ✓ Vacuum/pump discharges to a tank or discharge to sanitary sewer.
  - ✓ Dispose of spilled materials and absorbents appropriately.

Surface Repair

- ☐ Check local ordinance for SUSMP/LID ordinance.
- ☐ Preheat, transfer or load hot bituminous material away from storm drain inlets.
- ☐ Apply concrete, asphalt, and seal coat during dry weather to prevent contamination from contacting stormwater runoff.
- ☐ Cover and seal nearby storm drain inlets where applicable (with waterproof material or mesh) and manholes before applying seal coat, slurry seal, etc. Leave covers in

place until job is complete and all water from emulsified oil sealants has drained or evaporated. Clean any debris from these covered manholes and drains for proper disposal.

- Use only as much water as necessary for dust control during sweeping to avoid runoff.
- Catch drips from paving equipment that is not in use with pans or absorbent material placed under the machines. Dispose of collected material and absorbents properly.



Spill Response and Prevention Procedures

- Keep your Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date.
- Place a stockpile of spill cleanup materials where it will be readily accessible or at a central location.
- Clean up fluid spills immediately with absorbent rags or material.
- Dispose of spilled material and absorbents properly.



Employee Training Program

- Provide regular training to field employees and/or contractors regarding cleaning of paved areas and proper operation of equipment.
- Train employees and contractors in proper techniques for spill containment and cleanup.
- Use a training log or similar method to document training.



Quality Assurance and Record Keeping

- Keep accurate maintenance logs that document minimum BMP activities performed for parking area maintenance, types and quantities of waste disposed of, and any improvement actions.
- Keep accurate logs of spill response actions that document what was spilled, how it was cleaned up, and how the waste was disposed.
- Establish procedures to complete logs and file them in the central office.

Potential Capital Facility Costs and Operation & Maintenance Requirements

Facilities

- Capital investments may be required at some sites to purchase sweeping equipment, train sweeper operators, install oil/water/sand separators, or implement advanced BMPs. These costs can vary significantly depending upon site conditions and the amount of BMPs required.

Maintenance

- Sweep and clean parking lots regularly to minimize pollutant transport into storm drains from stormwater runoff.
- Clean out oil/water/sand separators regularly, especially after heavy storms.
- Maintain advanced BMPs such as vegetated swales, infiltration trenches, or detention basins as appropriate. Refer to the treatment control fact sheets for more information.

Supplemental Information

Advanced BMPs

Some parking areas may require advanced BMPs to further reduce pollutants in stormwater runoff, and a few examples are listed below. Refer to the Treatment Control Fact Sheets and the New Development and Redevelopment Manual for more information.

- When possible, direct sheet runoff to flow into biofilters (vegetated strip and swale) and/or infiltration devices.
- Utilize sand filters or oleophilic collectors for oily waste in low quantities.
- Arrange rooftop drains to prevent drainage directly onto paved surfaces.
- Design lot to include semi-permeable hardscape.

References and Resources

City of Seattle, Seattle Public Utilities Department of Planning and Development, 2009. *Stormwater Manual Vol. 1 Source Control Technical Requirements Manual*.

California Stormwater Quality Association, 2003. *New Development and Redevelopment Stormwater Best Management Practice Handbook*. Available online at: https://www.casqa.org/resources/bmp-handbooks/new-development-redevelopment-bmp-handbook.

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Pollution from Surface Cleaning Folder, 1996, 2003. Bay Area Stormwater Management Agencies Association. Available online at: http://basmaa.org/Portals/0/documents/pdf/Pollution%20from%20Surface%20Cleaning.pdf.

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US EPA. *Post-Construction Stormwater Management in New Development and Redevelopment*. BMP Fact Sheets. Available online at: http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=5.

Drainage System Maintenance SC-44

Description

As a consequence of its function, the stormwater drainage facilities on site convey stormwater that may contain certain pollutants either to the offsite conveyance system that collects and transports urban runoff and stormwater, or directly to receiving waters. The protocols in this fact sheet are intended to reduce pollutants leaving the site to the offsite drainage infrastructure or to receiving waters through proper on-site conveyance system operation and maintenance. The targeted constituents will vary depending on site characteristics and operations.

Approach

Successful implementation depends on effective training of employees on applicable BMPs and general pollution prevention strategies and objectives.

General Pollution Prevention Protocols

- ☐ Maintain catch basins, stormwater inlets, and other stormwater conveyance structures on a regular basis to remove pollutants, reduce high pollutant concentrations during the first flush of storms, prevent clogging of the downstream conveyance system, restore catch basins' sediment trapping capacity, and ensure the system functions properly hydraulically to avoid flooding.
- ☐ Develop and follow a site specific drainage system maintenance plan that describes maintenance locations, methods, required equipment, water sources, sediment collection areas, disposal requirements, and any other pertinent information.



Good Housekeeping

Illicit Connections and Discharges

- ☐ Look for evidence of illegal discharges or illicit connections during routine maintenance of conveyance system and drainage structures:

Objectives
■ *Cover*
■ *Contain*
■ *Educate*
■ *Reduce/Minimize*

Targeted Constituents	
Sediment	✓
Nutrients	✓
Trash	✓
Metals	✓
Bacteria	✓
Oil and Grease	✓
Organics	✓

Minimum BMPs Covered	
Good Housekeeping	✓
Preventative Maintenance	✓
Spill and Leak Prevention and Response	✓
Material Handling & Waste Management	
Erosion and Sediment Controls	
Employee Training Program	✓
Quality Assurance Record Keeping	✓

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- ✓ Identify evidence of spills such as paints, discoloring, odors, etc.
- ✓ Record locations of apparent illegal discharges/illicit connections.
- ✓ Track flows back to potential discharges and conduct aboveground inspections. This can be done through visual inspection of upgradient manholes or alternate techniques including zinc chloride smoke testing, fluorometric dye testing, physical inspection testing, or television camera inspection.
- ✓ Eliminate the discharge once the origin of flow is established.

- ☐ Stencil or demarcate storm drains, where applicable, to prevent illegal disposal of pollutants. Storm drain inlets should have messages such as "Dump No Waste Drains to Stream" or similar stenciled next to them to warn against ignorant or intentional dumping of pollutants into the storm drainage system.
- ☐ Refer to fact sheet SC-10 Non-Stormwater Discharges for additional information.

Illegal Dumping

- ☐ Inspect and clean up hot spots and other storm drainage areas regularly where illegal dumping and disposal occurs.
- ☐ Establish a system for tracking incidents. The system should be designed to identify the following:
  - ✓ Illegal dumping hot spots;
  - ✓ Types and quantities (in some cases) of wastes;
  - ✓ Patterns in time of occurrence (time of day/night, month, or year);
  - ✓ Mode of dumping (abandoned containers, "midnight dumping" from moving vehicles, direct dumping of materials, accidents/spills); and
  - ✓ Responsible parties.
- ☐ Post "No Dumping" signs in problem areas with a phone number for reporting dumping and disposal. Signs should also indicate fines and penalties for illegal dumping.
- ☐ Refer to fact sheet SC-10 Non-Stormwater Discharges for additional information.



Preventative Maintenance

Catch Basins/Inlet Structures

- ☐ Staff should regularly inspect facilities to ensure compliance with the following:
  - ✓ Immediate repair of any deterioration threatening structural integrity.
  - ✓ Cleaning before the sump is 40% full. Catch basins should be cleaned as frequently as needed to meet this standard.

- Clean catch basins, storm drain inlets, and other conveyance structures before the wet season to remove sediments and debris accumulated during the summer.
- Conduct inspections more frequently during the wet season for problem areas where sediment or trash accumulates more often. Prioritize storm drain inlets; clean and repair as needed.
- Keep accurate logs of the number of catch basins cleaned.
- Store wastes collected from cleaning activities of the drainage system in appropriate containers or temporary storage sites in a manner that prevents discharge to the storm drain.
- Dewater the wastes if necessary with outflow into the sanitary sewer if permitted. Water should be treated with an appropriate filtering device prior to discharge to the sanitary sewer. If discharge to the sanitary sewer is not allowed, water should be pumped or vacuumed to a tank and properly disposed. Do not dewater near a storm drain or stream.

Storm Drain Conveyance System

- Locate reaches of storm drain with deposit problems and develop a flushing schedule that keeps the pipe clear of excessive buildup.
- Collect and pump flushed effluent to the sanitary sewer for treatment whenever possible.

Pump Stations

- Clean all storm drain pump stations prior to the wet season to remove silt and trash.
- Do not allow discharge to reach the storm drain system when cleaning a storm drain pump station or other facility.
- Conduct routine maintenance at each pump station.
- Inspect, clean, and repair as necessary all outlet structures prior to the wet season.

Open Channel

- Modify storm channel characteristics to improve channel hydraulics, increase pollutant removals, and enhance channel/creek aesthetic and habitat value.
- Conduct channel modification/improvement in accordance with existing laws. Any person, government agency, or public utility proposing an activity that will change the natural state of any river, stream, or lake in California, must enter into a Steam or Lake Alteration Agreement with the Department of Fish and Wildlife. The developer-applicant should also contact local governments (city, county, special districts), other state agencies (SWRCB, RWQCB, Department of Forestry, Department of Water Resources), and Army Corps of Engineers and USFWS.



Spill Response and Prevention Procedures

- Keep your spill prevention control plan up-to-date.

- Investigate all reports of spills, leaks, and/or illegal dumping promptly.
- Place a stockpile of spill cleanup materials where it will be readily accessible or at a central location.
- Clean up all spills and leaks using "dry" methods (with absorbent materials and/or rags) or dig up, remove, and properly dispose of contaminated soil.



Employee Training Program

- Educate employees about pollution prevention measures and goals.
- Train employees how to properly handle and dispose of waste using the source control BMPs described above.
- Train employees and subcontractors in proper hazardous waste management.
- Use a training log or similar method to document training.
- Ensure that employees are familiar with the site's spill control plan and/or proper spill cleanup procedures.
- Have staff involved in detection and removal of illicit connections trained in the following:
  - ✓ OSHA-required Health and Safety Training (29 CFR 1910.120) plus annual refresher training (as needed).
  - ✓ OSHA Confined Space Entry training (Cal-OSHA Confined Space, Title 8 and Federal OSHA 29 CFR 1910.146).
  - ✓ Procedural training (field screening, sampling, smoke/dye testing, TV inspection).



Quality Assurance and Record Keeping

- Keep accurate maintenance logs that document minimum BMP activities performed for drainage system maintenance, types and quantities of waste disposed of, and any improvement actions.
- Keep accurate logs of spill response actions that document what was spilled, how it was cleaned up, and how the waste was disposed.
- Keep accurate logs of illicit connections, illicit discharges, and illegal dumping into the storm drain system including how wastes were cleaned up and disposed.
- Establish procedures to complete logs and file them in the central office.

Potential Limitations and Work-Arounds

Provided below are typical limitations and recommended "work-arounds" for drainage system maintenance:

- Clean-up activities may create a slight disturbance for local aquatic species. Access to items and material on private property may be limited. Trade-offs may exist between channel hydraulics and water quality/riparian habitat. If storm channels or basins are recognized as wetlands, many activities, including maintenance, may be subject to regulation and permitting.

  - ✓ Perform all maintenance onsite and do not flush accumulated material downstream to private property or riparian habitats.

- Storm drain flushing is most effective in small diameter pipes (36-inch diameter pipe or less, depending on water supply and sediment collection capacity). Other considerations associated with storm drain flushing may include the availability of a water source, finding a downstream area to collect sediments, and liquid/sediment disposal.

  - ✓ Develop and follow a site specific drainage system maintenance plan that describes maintenance locations, methods, required equipment, water sources, sediment collection areas, disposal requirements, and any other pertinent information.

- Regulations may include adoption of substantial penalties for illegal dumping and disposal.

  - ✓ Do not dump illegal materials anywhere onsite.

  - ✓ Identify illicit connections, illicit discharge, and illegal dumping.

  - ✓ Cleanup spills immediately and properly dispose of wastes.

- Local municipal codes may include sections prohibiting discharge of soil, debris, refuse, hazardous wastes, and other pollutants into the sanitary sewer system.

  - ✓ Collect all materials and pollutants accumulated in drainage system and dispose of according to local regulations.

  - ✓ Install debris excluders in areas with a trash TMDL.

Potential Capital Facility Costs and Operation & Maintenance Requirements

Facilities

- Capital costs will vary substantially depending on the size of the facility and characteristics of the drainage system. Significant capital costs may be associated with purchasing water trucks, vacuum trucks, and any other necessary cleaning equipment or improving the drainage infrastructure to reduce the potential .

- Developing and implementing a site specific drainage system maintenance plan will require additional capital if a similar program is not already in place.

Maintenance

- Two-person teams may be required to clean catch basins with vactor trucks.
- Teams of at least two people plus administrative personnel are required to identify illicit discharges, depending on the complexity of the storm sewer system.
- Arrangements must be made for proper disposal of collected wastes.
- Technical staff are required to detect and investigate illegal dumping violations.
- Methods used for illicit connection detection (smoke testing, dye testing, visual inspection, and flow monitoring) can be costly and time-consuming. Site-specific factors, such as the level of impervious area, the density and ages of buildings, and type of land use will determine the level of investigation necessary.

Supplemental Information

Storm Drain Flushing

Flushing is a common maintenance activity used to improve pipe hydraulics and to remove pollutants in storm drainage systems. Flushing may be designed to hydraulically convey accumulated material to strategic locations, such as an open channel, another point where flushing will be initiated, or the sanitary sewer and the treatment facilities, thus preventing re-suspension and overflow of a portion of the solids during storm events. Flushing prevents "plug flow" discharges of concentrated pollutant loadings and sediments. Deposits can hinder the designed conveyance capacity of the storm drain system and potentially cause backwater conditions in severe cases of clogging.

Storm drain flushing usually takes place along segments of pipe with grades that are too flat to maintain adequate velocity to keep particles in suspension. An upstream manhole is selected to place an inflatable device that temporarily plugs the pipe. Further upstream, water is pumped into the line to create a flushing wave. When the upstream reach of pipe is sufficiently full to cause a flushing wave, the inflated device is rapidly deflated with the assistance of a vacuum pump, thereby releasing the backed up water and resulting in the cleaning of the storm drain segment.

To further reduce impacts of stormwater pollution, a second inflatable device placed well downstream may be used to recollect the water after the force of the flushing wave has dissipated. A pump may then be used to transfer the water and accumulated material to the sanitary sewer for treatment. In some cases, an interceptor structure may be more practical or required to recollect the flushed waters.

It has been found that cleansing efficiency of periodic flush waves is dependent upon flush volume, flush discharge rate, sewer slope, sewer length, sewer flow rate, sewer diameter, and population density. As a rule of thumb, the length of line to be flushed should not exceed 700 feet. At this maximum recommended length, the percent removal efficiency ranges between 65-75% for organics and 55-65% for dry weather grit/inorganic material. The percent removal efficiency drops rapidly beyond that. Water is commonly supplied by a water truck, but fire hydrants can also supply water. To make the best use of water, it is recommended that reclaimed water be used if allowed or that fire hydrant line flushing coincide with storm sewer flushing.

References and Resources

City of Seattle, Seattle Public Utilities Department of Planning and Development, 2009. *Stormwater Manual Vol. 1 Source Control Technical Requirements Manual*.

Knox County Tennessee *Stormwater Management Manual* Chapter 5 Drainage System Maintenance, 2008. Available online at: http://www.knoxcounty.org/stormwater/manual/Volume%201/knoxco_swmm_v1_chap5_jan2008.pdf.

US EPA. Storm Drain System Cleaning, 2012. Available online at: http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=browse&Rbutton=detail&bmp=102.

Efficient Irrigation SD-12



Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Irrigation water provided to landscaped areas may result in excess irrigation water being conveyed into stormwater drainage systems.

Approach

Project plan designs for development and redevelopment should include application methods of irrigation water that minimize runoff of excess irrigation water into the stormwater conveyance system.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Designing New Installations

The following methods to reduce excessive irrigation runoff should be considered, and incorporated and implemented where determined applicable and feasible by the Permittee:

- Employ rain-triggered shutoff devices to prevent irrigation after precipitation.
- Design irrigation systems to each landscape area's specific water requirements.
- Include design featuring flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines.
- Implement landscape plans consistent with County or City water conservation resolutions, which may include provision of water sensors, programmable irrigation times (for short cycles), etc.

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- Design timing and application methods of irrigation water to minimize the runoff of excess irrigation water into the storm water drainage system.
- Group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface filtration. Choose plants with low irrigation requirements (for example, native or drought tolerant species). Consider design features such as:
  - Using mulches (such as wood chips or bar) in planter areas without ground cover to minimize sediment in runoff
  - Installing appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant materials where possible and/or as recommended by the landscape architect
  - Leaving a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible
  - Choosing plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth
- Employ other comparable, equally effective methods to reduce irrigation water runoff.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Storm Drain Signage SD-13



Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Waste materials dumped into storm drain inlets can have severe impacts on receiving and ground waters. Posting notices regarding discharge prohibitions at storm drain inlets can prevent waste dumping. Storm drain signs and stencils are highly visible source controls that are typically placed directly adjacent to storm drain inlets.

Approach

The stencil or affixed sign contains a brief statement that prohibits dumping of improper materials into the urban runoff conveyance system. Storm drain messages have become a popular method of alerting the public about the effects of and the prohibitions against waste disposal.

Suitable Applications

Stencils and signs alert the public to the destination of pollutants discharged to the storm drain. Signs are appropriate in residential, commercial, and industrial areas, as well as any other area where contributions or dumping to storm drains is likely.

Design Considerations

Storm drain message markers or placards are recommended at all storm drain inlets within the boundary of a development project. The marker should be placed in clear sight facing toward anyone approaching the inlet from either side. All storm drain inlet locations should be identified on the development site map.

Designing New Installations

The following methods should be considered for inclusion in the project design and show on project plans:

- Provide stenciling or labeling of all storm drain inlets and catch basins, constructed or modified, within the project area with prohibitive language. Examples include “NO DUMPING

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– DRAINS TO OCEAN" and/or other graphical icons to discourage illegal dumping.

- Post signs with prohibitive language and/or graphical icons, which prohibit illegal dumping at public access points along channels and creeks within the project area.

Note - Some local agencies have approved specific signage and/or storm drain message placards for use. Consult local agency stormwater staff to determine specific requirements for placard types and methods of application.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. If the project meets the definition of "redevelopment", then the requirements stated under " designing new installations" above should be included in all project design plans.

Additional Information

Maintenance Considerations

- Legibility of markers and signs should be maintained. If required by the agency with jurisdiction over the project, the owner/operator or homeowner's association should enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards or signs.

Placement

- Signage on top of curbs tends to weather and fade.

- Signage on face of curbs tends to be worn by contact with vehicle tires and sweeper brooms.

Supplemental Information

Examples

- Most MS4 programs have storm drain signage programs. Some MS4 programs will provide stencils, or arrange for volunteers to stencil storm drains as part of their outreach program.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Maintenance Bays & Docks SD-31



Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Several measures can be taken to prevent operations at maintenance bays and loading docks from contributing a variety of toxic compounds, oil and grease, heavy metals, nutrients, suspended solids, and other pollutants to the stormwater conveyance system.

Approach

In designs for maintenance bays and loading docks, containment is encouraged. Preventative measures include overflow containment structures and dead-end sumps. However, in the case of loading docks from grocery stores and warehouse/distribution centers, engineered infiltration systems may be considered.

Suitable Applications

Appropriate applications include commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for vehicle maintenance and repair are governed by Building and Fire Codes, and by current local agency ordinances, and zoning requirements. The design criteria described in this fact sheet are meant to enhance and be consistent with these code requirements.

Designing New Installations

Designs of maintenance bays should consider the following:

- Repair/maintenance bays and vehicle parts with fluids should be indoors; or designed to preclude urban run-on and runoff.
- Repair/maintenance floor areas should be paved with Portland cement concrete (or equivalent smooth impervious surface).

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- Repair/maintenance bays should be designed to capture all wash water leaks and spills. Provide impermeable berms, drop inlets, trench catch basins, or overflow containment structures around repair bays to prevent spilled materials and wash-down waters form entering the storm drain system. Connect drains to a sump for collection and disposal. Direct connection of the repair/maintenance bays to the storm drain system is prohibited. If required by local jurisdiction, obtain an Industrial Waste Discharge Permit.

- Other features may be comparable and equally effective.

The following designs of loading/unloading dock areas should be considered:

- Loading dock areas should be covered, or drainage should be designed to preclude urban run-on and runoff.

- Direct connections into storm drains from depressed loading docks (truck wells) are prohibited.

- Below-grade loading docks from grocery stores and warehouse/distribution centers of fresh food items should drain through water quality inlets, or to an engineered infiltration system, or an equally effective alternative. Pre-treatment may also be required.

- Other features may be comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Additional Information

Stormwater and non-stormwater will accumulate in containment areas and sumps with impervious surfaces. Contaminated accumulated water must be disposed of in accordance with applicable laws and cannot be discharged directly to the storm drain or sanitary sewer system without the appropriate permit.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Trash Storage Areas SD-32

Description

Trash storage areas are areas where a trash receptacle (s) are located for use as a repository for solid wastes. Stormwater runoff from areas where trash is stored or disposed of can be polluted. In addition, loose trash and debris can be easily transported by water or wind into nearby storm drain inlets, channels, and/or creeks. Waste handling operations that may be sources of stormwater pollution include dumpsters, litter control, and waste piles.

Approach

This fact sheet contains details on the specific measures required to prevent or reduce pollutants in stormwater runoff associated with trash storage and handling. Preventative measures including enclosures, containment structures, and impervious pavements to mitigate spills, should be used to reduce the likelihood of contamination.

Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Design requirements for waste handling areas are governed by Building and Fire Codes, and by current local agency ordinances and zoning requirements. The design criteria described in this fact sheet are meant to enhance and be consistent with these code and ordinance requirements. Hazardous waste should be handled in accordance with legal requirements established in Title 22, California Code of Regulation.

Wastes from commercial and industrial sites are typically hauled by either public or commercial carriers that may have design or access requirements for waste storage areas. The design criteria in this fact sheet are recommendations and are not intended to be in conflict with requirements established by the waste hauler. The waste hauler should be contacted prior to the design of your site trash collection areas. Conflicts or issues should be discussed with the local agency.

Designing New Installations

Trash storage areas should be designed to consider the following structural or treatment control BMPs:

- Design trash container areas so that drainage from adjoining roofs and pavement is diverted around the area(s) to avoid run-on. This might include berming or grading the waste handling area to prevent run-on of stormwater.
- Make sure trash container areas are screened or walled to prevent off-site transport of trash.

- Use lined bins or dumpsters to reduce leaking of liquid waste.
- Provide roofs, awnings, or attached lids on all trash containers to minimize direct precipitation and prevent rainfall from entering containers.
- Pave trash storage areas with an impervious surface to mitigate spills.
- Do not locate storm drains in immediate vicinity of the trash storage area.
- Post signs on all dumpsters informing users that hazardous materials are not to be disposed of therein.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Additional Information

Maintenance Considerations

The integrity of structural elements that are subject to damage (i.e., screens, covers, and signs) must be maintained by the owner/operator. Maintenance agreements between the local agency and the owner/operator may be required. Some agencies will require maintenance deed restrictions to be recorded of the property title. If required by the local agency, maintenance agreements or deed restrictions must be executed by the owner/operator before improvement plans are approved.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Attachment F
Infiltration Report

October 15, 2021

Black Creek Group
4675 MacArthur Court, Suite 625
Newport Beach, California 92660

Attention: Mr. Chris Sanford
Senior Vice President

Project No.: **21G209-2**

Subject: **Results of Infiltration Testing**
Proposed Warehouse Development
12459 Arrow Route
Rancho Cucamonga, California

Reference: Geotechnical Investigation, Proposed Warehouse Development, 12459 Arrow Route, Rancho Cucamonga, California, prepared by Southern California Geotechnical, Inc. (SCG) for Black Creek Group, SCG Project No. 21G209-1, dated October 15, 2021.

Mr. Sanford:

In accordance with your request, we have conducted infiltration testing at the subject site. We are pleased to present this report summarizing the results of the infiltration testing and our design recommendations.

Scope of Services

The scope of services performed for this project was in general accordance with our Proposal No. 21P370, dated August 12, 2021. The scope of services included site reconnaissance, subsurface exploration, field testing, and engineering analysis to determine the infiltration rates of the on-site soils. The infiltration testing was performed in general accordance with the guidelines published in the Riverside County – Low Impact Development BMP Design Handbook – Section 2.3 of Appendix A, prepared for the Riverside County Department of Environmental Health (RCDEH), dated December, 2013. The San Bernardino County standards defer to the guidelines published by the RCDEH.

Site and Project Description

The site is located at the southwest corner of Arrow Route and Juneberry Drive in Rancho Cucamonga, California. The site is bounded to the north by Arrow Route, to the west by an automobile auction facility, to the south by a railroad easement, and to the east by existing commercial/industrial buildings and Juneberry Drive. The general location of the site is illustrated on the Site Location Map, enclosed as Plate 1 of this report.

The site consists of an L-shaped area, 94.08± acres in size. Based on our visit to the site, the site is being utilized as a steel manufacturing facility operated by CMC Steel. Large portions of the

site appear to be inactive, particularly the southern area of the property. The northern area of the site still appears to be in an active manufacturing condition.

The northwest portion of the site is currently being utilized for scrap metal and raw material storage. Four contiguous, one- or two-story industrial buildings are located in this area. The southwest portion of the site contains a large melt shop building that was previously utilized to melt down scrap metal and raw materials. The areas around this building include conveyors, ventilation ducting, large open areas for materials storage, railroad spurs and areas of pavement. Large stockpiles of sand/gravel and crushed concrete are also present in this area. The southeast portion of the site contains a large furnace building, cooling tower, and structural steel and rebar manufacturing facility. Several below-grade concrete pits are located in this area of the site. Several areas used for materials storage are also present around the buildings associated with the furnace building. The northeast portion of the site was previously utilized for structural steel and re-bar storage. Two single-story industrial structures are present in this area of the site. Ground surface cover throughout the majority of the site consists of asphaltic concrete pavements and Portland cement concrete pavements. The pavements exhibit moderate to severe distress, with cracking and potholes throughout. Several rows of large trees are present along the drive lanes in the northern and central regions of the site.

Detailed topographic information was not available at the time of this report. However, based on topographic information obtained from Google Earth, the site topography ranges from 1,167± to 1,127± feet msl in the northeastern and southwestern portions of the site, respectively. Overall, the site slopes gently toward the south with an average gradient of approximately 1 to 2 percent.

Proposed Development

Based on a conceptual site plan (Scheme 6) provided to our office by the client, the site will be developed with two (2) warehouses. Building 1 will be located in the western area of the site and will be 1,366,140± ft² in size. Building 2 will be located in the eastern area of the site and will be 549,560± ft² in size. Dock-high doors will be constructed along portions of the east and west building walls for Building 1 and along portions of the north and south building walls for Building 2. The buildings will be surrounded by asphaltic concrete pavements in the parking and drive lanes, Portland cement concrete pavements in the loading dock areas, and limited areas of concrete flatwork and landscape planters throughout.

Based on our conversations with representatives of Thienes Engineering, Inc., the project civil engineer, the proposed development will include on-site stormwater infiltration. The infiltration system will consist of four (4) areas of below-grade infiltration chambers located in the southwest, south-central, and southeastern areas of the site. The bottom of the infiltration chambers will be approximately 12 feet below the existing site grades.

Concurrent Study

SCG concurrently conducted a geotechnical investigation at the subject site, referenced above. As a part of this study, twenty-four (24) borings were advanced to depths of 10 to 25± feet below the existing site grades. Artificial fill and possible fill soils were encountered beneath the existing pavements at all of the boring locations, extending to depths of 2½ to 8½± feet below the existing site grades. The artificial fill and possible fill soils generally consist of loose to very dense

gravelly fine to coarse sands, silty fine to coarse sands, and well-graded sands with varying gravel content. Trace quantities of slag were occasionally encountered within the fill soils. Native alluvium was encountered beneath the artificial fill soils at all of the boring locations, extending to at least the maximum depth explored of 25± feet below existing site grades. The alluvium generally consisted of medium dense to very dense, silty fine to coarse sands, fine to coarse sands, and gravelly fine to coarse sands.

Groundwater

Free water was not encountered during the drilling of any of the borings. Based on the lack of any water within the borings, and the moisture contents of the recovered soil samples, the static groundwater table is considered to have existed at a depth in excess of 25± feet at the time of the subsurface exploration.

As part of our research, we reviewed readily available groundwater data in order to determine regional groundwater depths. The primary reference used to determine the groundwater depths in the subject site area is the California Department of Water Resources website, http://www.water.ca.gov/waterdatalibrary/. The nearest monitoring well is located approximately 2.3 miles northeast from the site. Water level readings within these monitoring wells indicate high groundwater levels of 575± feet below site grades (June 2012).

Subsurface Exploration

Scope of Exploration

The subsurface exploration conducted for the infiltration testing consisted of eight (8) infiltration test borings, advanced to depths of 7 to 12± feet below the existing site grades. The infiltration borings were advanced using a truck-mounted drilling rig, equipped with 8-inch-diameter hollow-stem augers and were logged during drilling by a member of our staff. The approximate locations of the infiltration test borings (identified as I-1 and I-8) are indicated on the Infiltration Test Location Plan, enclosed as Plate 2 of this report.

Upon the completion of the infiltration borings, the bottom of each test boring was covered with 2± inches of clean ¾-inch gravel. A sufficient length of 3-inch-diameter perforated PVC casing was then placed into each test hole so that the PVC casing extended from the bottom of the test hole to the ground surface. Clean ¾-inch gravel was then installed in the annulus surrounding the PVC casing.

Geotechnical Conditions

Artificial fill soils were encountered beneath the pavements at most of the infiltration boring locations, extending to depths of 3 to 10½± below the existing site grades. The fill soils generally consist of medium dense silty fine sands, silty fine to medium sands, and silty fine to coarse sands with varying amount of fine gravel content. The fill soils possess a disturbed mottled appearance and some metal debris resulting in their classification as artificial fill. It should be noted that a concrete slab was encountered at a depth of 7± feet at Infiltration Boring No. I-4. Refusal conditions were encountered at 7± feet due to the concrete slab. Native alluvial soils were encountered beneath the pavements or beneath the fill soils at all of the infiltration boring

locations, extending to at least the maximum depth explored of 12± feet below the existing site grades. The alluvial soils generally consist of medium dense silty sands and gravelly sands. The Boring Logs, which illustrate the conditions encountered at the boring locations, are included with this report.

Infiltration Testing

As previously mentioned, the infiltration testing was performed in general accordance with the guidelines published in Riverside County – Low Impact Development BMP Design Handbook – Section 2.3 of Appendix A, which apply to San Bernardino County.

Pre-soaking

In accordance with the county infiltration standards for sandy soils, all infiltration test borings were pre-soaked 2 hours prior to the infiltration testing or until all of the water had percolated through the test holes. The pre-soaking process consisted of filling test borings by inverting a full 5-gallon bottle of clear water supported over each hole so that the water flow into the hole holds constant at a level at least 5 times the hole's radius above the gravel at the bottom of each hole. Pre-soaking was completed after all of the water had percolated through the test holes.

Infiltration Testing

Following the pre-soaking process of the infiltration test borings, SCG performed the infiltration testing. Each test hole (with exception of I-4) was filled with water to a depth of at least 5 times the hole's radius above the gravel at the bottom of the test holes. In accordance with the Riverside County guidelines, since "sandy soils" were encountered at the bottom of both of the infiltration test borings (where 6 inches of water infiltrated into the surrounding soils for two consecutive 25-minute readings), readings were taken at 10-minute intervals for a total of 1 hour at each test location. After each reading, water was added to the borings so that the depth of the water was at least 5 times the radius of the hole. The water level readings are presented on the spreadsheets enclosed with this report. The infiltration rates for each of the timed intervals are also tabulated on the spreadsheets.

The infiltration rates from the test are tabulated in inches per hour. In accordance with the typically accepted practice, it is recommended that the most conservative reading from the latter part of the infiltration tests be used as the design infiltration rate. The rates are summarized below:

Infiltration Test No.	Depth (feet)	Soil Description	Infiltration Rate (inches/hour)
I-1	12	Silty fine to medium Sand	10.0
I-2	12	Silty fine to medium Sand	12.5
I-3	12	fine to medium Sandy Silt	1.2
I-4	7	Gravelly fine to coarse Sand, trace Silt	Not Tested
I-5	12	Silty fine to coarse Sand	4.6
I-6	12	Silty fine to medium Sand, trace coarse Sand	2.5
I-7	12	Silty fine to medium Sand	10.3
I-8	12	Silty fine to medium Sand, trace coarse Sand	12.7

Laboratory Testing

Moisture Content

The moisture contents for the recovered soil samples within the borings were determined in accordance with ASTM D-2216 and are expressed as a percentage of the dry weight. These test results are presented on the Boring Logs.

Grain Size Analysis

The grain size distribution of selected soils collected from the base of each infiltration test boring have been determined using a range of wire mesh screens. These tests were performed in general accordance with ASTM D-422 and/or ASTM D-1140. The weight of the portion of the sample retained on each screen is recorded and the percentage finer or coarser of the total weight is calculated. The results of these tests are presented on Plates C-1 and C-8 of this report.

Design Recommendations

Seven (7) infiltration tests were performed at the subject site. As noted above, the infiltration rates at these locations vary from 1.2 to 12.7 inches per hour. The major factors affecting the difference in infiltration rate at these borings is the presence of silt in the soils at the test depths. Based on the infiltration test results, we recommend the following infiltration rates:

Infiltration System	Location	Infiltration Rate (in/hr)
"A"	Southwest	10.0
"B"	South-Central	1.0
"C"	East	2.5
"D"	Southeast	10.0

We recommend that a representative from the geotechnical engineer be on-site during the construction of the proposed infiltration system to identify the soil classification at the base of the system. It should be confirmed that the soils at the base of the proposed infiltration system correspond with those presented in this report to ensure that the performance of the system will be consistent with the rate reported herein.

The design of the storm water infiltration system should be performed by the project civil engineer, in accordance with the City of Rancho Cucamonga and/or County of San Bernardino guidelines. It is recommended that the system be constructed so as to facilitate removal of silt and clay, or other deleterious materials from any water that may enter the system. The presence of such materials would decrease the effective infiltration rate. **It is recommended that the project civil engineer apply an appropriate factor of safety. The infiltration rate recommended above is based on the assumption that only clean water will be introduced to the subsurface profile. Any fines, debris, or organic materials could significantly impact the infiltration rate.** It should be noted that the recommended infiltration rates are based on infiltration testing at eight (8) discrete locations and that the overall infiltration rate of the proposed infiltration system could vary considerably.

Infiltration Rate Considerations

The infiltration rates presented herein was determined in accordance with the San Bernardino County guidelines and are considered valid only for the time and place of the actual test. Varying subsurface conditions will exist in other areas of the site, which could alter the recommended infiltration rates presented above. The infiltration rates will decline over time between maintenance cycles as silt or clay particles accumulate on the BMP surface. The infiltration rate is highly dependent upon a number of factors, including density, silt and clay content, grainsize distribution throughout the range of particle sizes, and particle shape. Small changes in these factors can cause large changes in the infiltration rates.

Infiltration rates are based on unsaturated flow. As water is introduced into soils by infiltration, the soils become saturated and the wetting front advances from the unsaturated zone to the saturated zone. Once the soils become saturated, infiltration rates become zero, and water can only move through soils by hydraulic conductivity at a rate determined by pressure head and soil permeability. Changes in soil moisture content will affect the infiltration rate. Infiltration rates should be expected to decrease until the soils become saturated. Soil permeability values will then govern groundwater movement. Permeability values may be on the order of 10 to 20 times less than infiltration rates. The system designer should incorporate adequate factors of safety and allow for overflow design into appropriate traditional storm drain systems, which would transport storm water off-site.

Construction Considerations

The infiltration rates presented in this report are specific to the tested locations and tested depths. Infiltration rates can be significantly reduced if the soils are exposed to excessive disturbance or compaction during construction. Compaction of the soils at the bottom of the infiltration system can significantly reduce the infiltration ability of the basins. Therefore, the subgrade soils within proposed infiltration system areas should not be over-excavated, undercut or compacted in any

significant manner. **It is recommended that a note to this effect be added to the project plans and/or specifications.**

We recommend that a representative from the geotechnical engineer be on-site during the construction of the proposed infiltration systems to identify the soil classification at the base of each system. It should be confirmed that the soils at the base of the proposed infiltration systems correspond with those presented in this report to ensure that the performance of the systems will be consistent with the rates reported herein.

We recommend that scrapers and other rubber-tired heavy equipment not be operated on the basin bottom, or at levels lower than 2 feet above the bottom of the system, particularly within basins. As such, the bottom 24 inches of the infiltration systems should be excavated with non-rubber-tired equipment, such as excavators.

Basin Maintenance

The proposed project may include infiltration basins. Water flowing into these basins will carry some level of sediment. Wind-blown sediments and erosion of the basin side walls will also contribute to sediment deposition at the bottom of the basin. This layer has the potential to significantly reduce the infiltration rate of the basin subgrade soils. Therefore, a formal basin maintenance program should be established to ensure that these silt and clay deposits are removed from the basin on a regular basis. Appropriate vegetation on the basin sidewalls and bottom may reduce erosion and sediment deposition.

Basin maintenance should also include measures to prevent animal burrows, and to repair any burrows or damage caused by such. Animal burrows in the basin sidewalls can significantly increase the risk of erosion and piping failures.

Location of Infiltration Systems

The use of on-site storm water infiltration systems carries a risk of creating adverse geotechnical conditions. Increasing the moisture content of the soil can cause the soil to lose internal shear strength and increase its compressibility, resulting in a change in the designed engineering properties. Overlying structures and pavements in the infiltration area could potentially be damaged due to saturation of the subgrade soils. **The proposed infiltration systems for this site should be located at least 25 feet away from any structures, including retaining walls.** Even with this provision of locating the infiltration system at least 25 feet from the building(s), it is possible that infiltrating water into the subsurface soils could have an adverse effect on the proposed or existing structures. It should also be noted that utility trenches which happen to collect storm water can also serve as conduits to transmit storm water toward the structure, depending on the slope of the utility trench. Therefore, consideration should also be given to the proposed locations of underground utilities which may pass near the proposed infiltration system.

The infiltration system designer should also give special consideration to the effect that the proposed infiltration systems may have on nearby subterranean structures, open excavations, or descending slopes. In particular, infiltration systems should not be located near the crest of descending slopes, particularly where the slopes are comprised of granular soils. Such systems

will require specialized design and analysis to evaluate the potential for slope instability, piping failures and other phenomena that typically apply to earthen dam design. This type of analysis is beyond the scope of this infiltration test report, but these factors should be considered by the infiltration system designer when locating the infiltration systems.

General Comments

This report has been prepared as an instrument of service for use by the client in order to aid in the evaluation of this property and to assist the architects and engineers in the design and preparation of the project plans and specifications. This report may be provided to the contractor(s) and other design consultants to disclose information relative to the project. However, this report is not intended to be utilized as a specification in and of itself, without appropriate interpretation by the project architect, structural engineer, and/or civil engineer. The design of the proposed storm water infiltration system is the responsibility of the civil engineer. The role of the geotechnical engineer is limited to determination of infiltration rate only. By using the design infiltration rate contained herein, the civil engineer agrees to indemnify, defend, and hold harmless the geotechnical engineer for all aspects of the design and performance of the proposed storm water infiltration system. The reproduction and distribution of this report must be authorized by the client and Southern California Geotechnical, Inc. Furthermore, any reliance on this report by an unauthorized third party is at such party's sole risk, and we accept no responsibility for damage or loss which may occur.

The analysis of this site was based on a subsurface profile interpolated from limited discrete soil samples. While the materials encountered in the project area are considered to be representative of the total area, some variations should be expected between boring locations and testing depths. If the conditions encountered during construction vary significantly from those detailed herein, we should be contacted immediately to determine if the conditions alter the recommendations contained herein.

This report has been based on assumed or provided characteristics of the proposed development. It is recommended that the owner, client, architect, structural engineer, and civil engineer carefully review these assumptions to ensure that they are consistent with the characteristics of the proposed development. If discrepancies exist, they should be brought to our attention to verify that they do not affect the conclusions and recommendations contained herein. We also recommend that the project plans and specifications be submitted to our office for review to verify that our recommendations have been correctly interpreted. The analysis, conclusions, and recommendations contained within this report have been promulgated in accordance with generally accepted professional geotechnical engineering practice. No other warranty is implied or expressed.

Closure

We sincerely appreciate the opportunity to be of service on this project. We look forward to providing additional consulting services during the course of the project. If we may be of further assistance in any manner, please contact our office.

Respectfully Submitted,

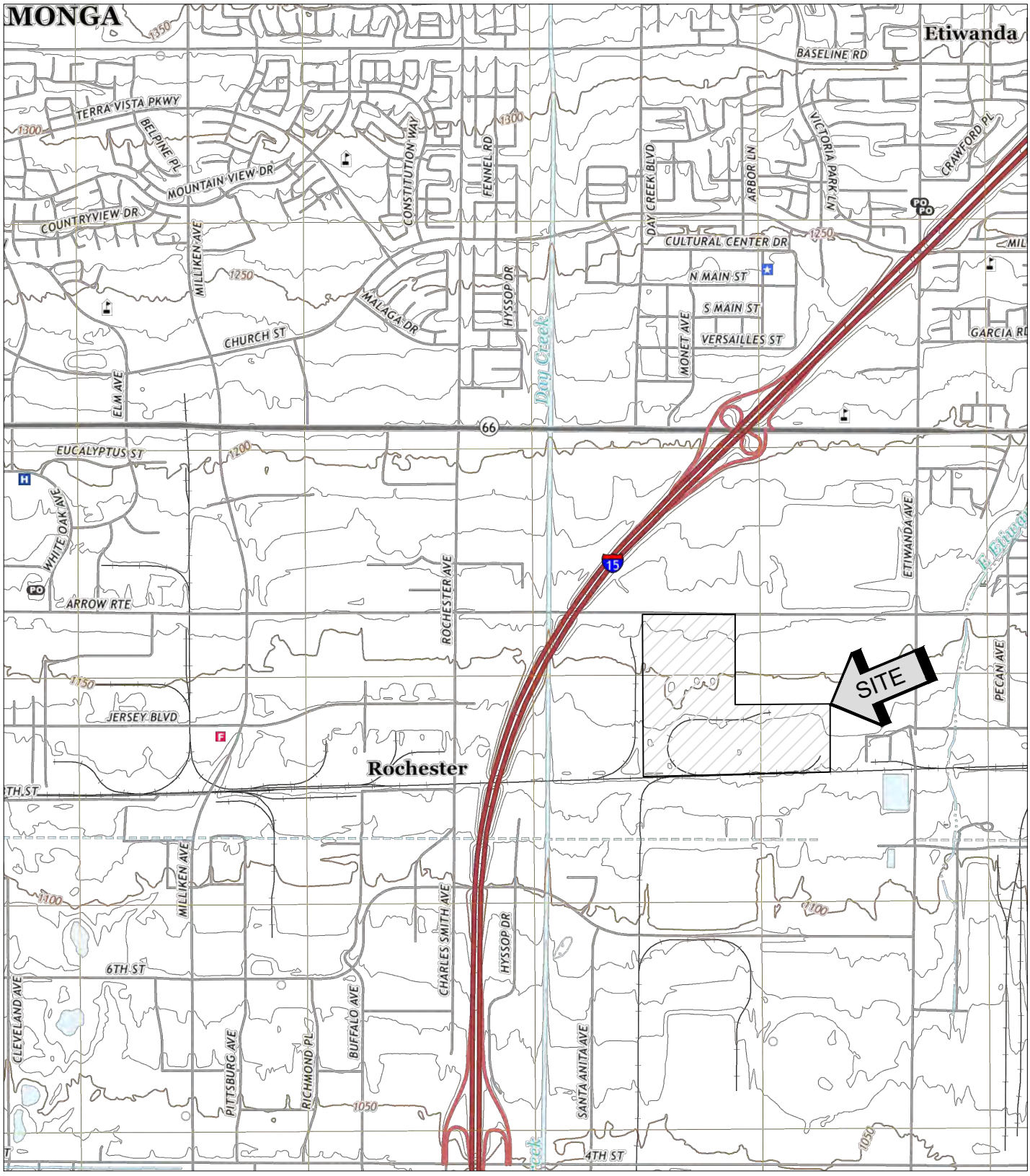
SOUTHERN CALIFORNIA GEOTECHNICAL, INC.

Daryl Kas, CEG 2467
Senior Geologist

Gregory K. Mitchell, GE 2364
Principal Engineer

Distribution: (1) Addressee

Enclosures: Plate 1 - Site Location Map
Plate 2 - Infiltration Test Location Plan
Boring Log Legend and Logs (10 pages)
Infiltration Test Results Spreadsheets (7 pages)
Grain Size Distribution Graphs (8 pages)



SOURCE: USGS TOPOGRAPHIC MAP OF THE GUASTI QUADRANGLE, SAN BERNARDINO COUNTY, CALIFORNIA, 2018.

SITE LOCATION MAP

PROPOSED WAREHOUSE DEVELOPMENT

RANCHO CUCAMONGA, CALIFORNIA

SCALE: 1" = 2000'	
DRAWN: RB CHKD: GKM	
SCG PROJECT 21G209-2	
PLATE 1	

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL



NORTH

SoCalGeo

GEOTECHNICAL LEGEND

⊕ APPROXIMATE INFILTRATION LOCATION

NOTE: AERIAL PHOTO PROVIDED BY GOOGLE EARTH.

INFILTRATION TEST LOCATION PLAN

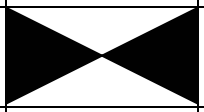
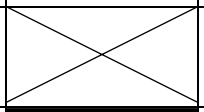
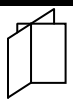
PROPOSED WAREHOUSE DEVELOPMENT

RANCHO CUCAMONGA, CALIFORNIA

SCALE: 1" = 250'	
DRAWN: DRK CHKD: GKM	
SCG PROJECT 21G209-2	
PLATE 2	

SOUTHERN CALIFORNIA GEOTECHNICAL

BORING LOG LEGEND

SAMPLE TYPE	GRAPHICAL SYMBOL	SAMPLE DESCRIPTION
AUGER		SAMPLE COLLECTED FROM AUGER CUTTINGS, NO FIELD MEASUREMENT OF SOIL STRENGTH. (DISTURBED)
CORE		ROCK CORE SAMPLE: TYPICALLY TAKEN WITH A DIAMOND-TIPPED CORE BARREL. TYPICALLY USED ONLY IN HIGHLY CONSOLIDATED BEDROCK.
GRAB		SOIL SAMPLE TAKEN WITH NO SPECIALIZED EQUIPMENT, SUCH AS FROM A STOCKPILE OR THE GROUND SURFACE. (DISTURBED)
CS		CALIFORNIA SAMPLER: 2-1/2 INCH I.D. SPLIT BARREL SAMPLER, LINED WITH 1-INCH HIGH BRASS RINGS. DRIVEN WITH SPT HAMMER. (RELATIVELY UNDISTURBED)
NSR		NO RECOVERY: THE SAMPLING ATTEMPT DID NOT RESULT IN RECOVERY OF ANY SIGNIFICANT SOIL OR ROCK MATERIAL.
SPT		STANDARD PENETRATION TEST: SAMPLER IS A 1.4 INCH INSIDE DIAMETER SPLIT BARREL, DRIVEN 18 INCHES WITH THE SPT HAMMER. (DISTURBED)
SH		SHELBY TUBE: TAKEN WITH A THIN WALL SAMPLE TUBE, PUSHED INTO THE SOIL AND THEN EXTRACTED. (UNDISTURBED)
VANE		VANE SHEAR TEST: SOIL STRENGTH OBTAINED USING A 4 BLADED SHEAR DEVICE. TYPICALLY USED IN SOFT CLAYS-NO SAMPLE RECOVERED.

COLUMN DESCRIPTIONS

DEPTH: Distance in feet below the ground surface.

SAMPLE: Sample Type as depicted above.

BLOW COUNT: Number of blows required to advance the sampler 12 inches using a 140 lb hammer with a 30-inch drop. 50/3" indicates penetration refusal (>50 blows) at 3 inches. WH indicates that the weight of the hammer was sufficient to push the sampler 6 inches or more.

POCKET PEN.: Approximate shear strength of a cohesive soil sample as measured by pocket penetrometer.

GRAPHIC LOG: Graphic Soil Symbol as depicted on the following page.

DRY DENSITY: Dry density of an undisturbed or relatively undisturbed sample in lbs/ft^3.

MOISTURE CONTENT: Moisture content of a soil sample, expressed as a percentage of the dry weight.

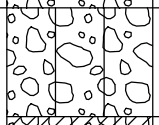
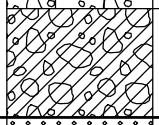
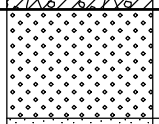
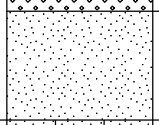
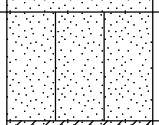
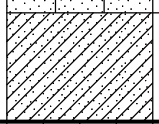
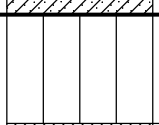
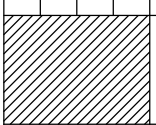
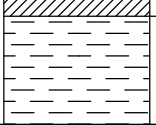
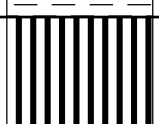
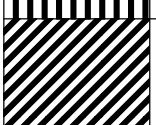
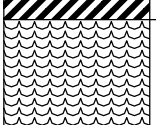
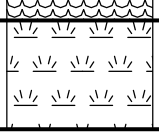
LIQUID LIMIT: The moisture content above which a soil behaves as a liquid.

PLASTIC LIMIT: The moisture content above which a soil behaves as a plastic.

PASSING #200 SIEVE: The percentage of the sample finer than the #200 standard sieve.

UNCONFINED SHEAR: The shear strength of a cohesive soil sample, as measured in the unconfined state.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. I-1

JOB NO.: 21G209-2
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH:
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		18			FILL: Brown Silty fine Sand, trace medium to coarse Sand, trace fine Gravel, medium dense-damp		4					
		13			FILL: Brown fine Sand, trace Silt, trace medium to coarse Sand, trace fine Gravel, medium dense-damp		5					
5		15			@ 6 feet, trace metal fragments		5					
		11			@ 8½ feet, no metal fragments		5					
10		12			ALLUVIUM: Brown SIlty fine to medium Sand, medium dense-damp		5					
					Boring Terminated at 12'							

TBL 21G209-2.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-1

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. I-2

JOB NO.: 21G209-2
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH:
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		41			FILL: Brown Silty fine to coarse Sand, mottled, trace fine Gravel, dense-damp		12					
5		75/9"			FILL: Brown Gravelly fine to coarse Sand, mottled, little Silt, very dense-damp		8					
		50/3"										@ 6 feet, no recovery
		14			ALLUVIUM: Brown Silty fine to medium Sand, medium dense-damp		9					
10		10					8					
					Boring Terminated at 12'							

TBL 21G209-2.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-2**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. I-3

JOB NO.: 21G209-2
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH:
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		7			FILL: Brown Silty fine Sand, trace medium Sand, loose-damp		12					
		28			ALLUVIUM: Brown Gray Gravelly fine to coarse Sand, occasional Cobbles, trace Silt, medium dense-dry		1					
5		10			Brown Silty fine to coarse Sand, trace fine Gravel, medium dense-damp		5					
		14			Light Brown Silty fine Sand, trace medium Sand, medium dense-damp		7					
10		19			Light Brown fine to medium Sandy Silt, medium dense-moist		16					
					Boring Terminated at 12'							

TBL 21G209-2.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-3**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. I-4

JOB NO.: 21G209-2
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH:
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					8½± inches Portland Cement Concrete with rebar							
		77/11"			FILL: Gray Gravelly fine to coarse Sand, trace Silt, very dense-damp to moist		11					
		87/11"					4					
5												
		80/10"			@ 6 feet, no recovery							
					Refusal at 7' due to Concrete							

TBL 21G209-2.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-4

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. I-5

JOB NO.: 21G209-2
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH:
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					ALLUVIUM: Brown Silty fine Sand, trace medium Sand, loose to medium dense-damp							
		13					5					
5												
		8					8					
10												
		11			Brown Silty fine to coarse Sand, medium dense-damp		6					
					Boring Terminated at 12'							

TBL 21G209-2.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-5

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. I-6

JOB NO.: 21G209-2
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH:
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					ALLUVIUM: Brown Silty fine Sand, trace medium to coarse Sand, medium dense-damp							
		10					5					
5												
		14					6					
10					Brown Silty fine to medium Sand, trace coarse Sand, medium dense-damp							
		28					5					
					Boring Terminated at 12'							

TBL 21G209-2.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-6

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. I-7

JOB NO.: 21G209-2
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH:
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
5		22			FILL: Brown Silty fine Sand, trace medium to coarse Sand, trace fine Gravel, medium dense-damp		6					
10		20			ALLUVIUM:Brown fine to coarse Sand, trace Silt, trace to little fine to coarse Gravel, medium dense-damp		3					
		15			Light Brown Silty fine to medium Sand, trace calcareous veining, medium dense-moist		13					
					Boring Terminated at 12'							

TBL 21G209-2.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG

PLATE B-7

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. I-8

JOB NO.: 21G209-2
PROJECT: Proposed Warehouse Development
LOCATION: Rancho Cucamonga, CA

DRILLING DATE: 9/14/21
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Ryan Bremer

WATER DEPTH: Dry
CAVE DEPTH:
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
5		8			FILL: Brown Silty fine to medium Sand, trace Silt, trace coarse Sand, loose-damp		9					
					ALLUVIUM: Brown fine to medium Sand, trace Silt, trace coarse Sand, medium dense-damp		7					
10		16										
		19			Brown Silty fine to medium Sand, trace coarse Sand, medium dense-damp		5					
					Boring Terminated at 12'							

TBL 21G209-2.GPJ SOCALGEO.GDT 10/15/21

TEST BORING LOG **PLATE B-8**

INFILTRATION CALCULATIONS

Project Name	Proposed Warehouse Development
Project Location	Rancho Cucamonga, California
Project Number	21G209-2
Engineer	Sam Bergeland

Test Hole Radius	4	(in)
Test Depth	12.20	(ft)

Infiltration Test Hole	I-1

Soil Criteria Test

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (in)	Did 6 inches of water seep away in less than 25 minutes?	Sandy Soils or Non-Sandy Soils?
1	Initial	11:08 AM	25.00	10.50	24.00	YES	SANDY SOILS
	Final	11:33 AM		12.50			
2	Initial	11:33 AM	25.00	10.50	24.00	YES	SANDY SOILS
	Final	11:58 AM		12.50			

Test Data

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (ft)	Average Head Height (ft)	Infiltration Rate Q (in/hr)
1	Initial	12:01 PM	10.00	10.50	1.30	1.05	12.82
	Final	12:11 PM		11.80			
2	Initial	12:11 PM	10.00	10.50	1.27	1.07	12.37
	Final	12:21 PM		11.77			
3	Initial	12:21 PM	10.00	10.50	1.17	1.12	10.95
	Final	12:31 PM		11.67			
4	Initial	12:31 PM	10.00	10.50	1.13	1.14	10.42
	Final	12:41 PM		11.63			
5	Initial	12:41 PM	10.00	10.50	1.11	1.15	10.16
	Final	12:51 PM		11.61			
6	Initial	12:51 PM	10.00	10.50	1.10	1.15	10.03
	Final	1:01 PM		11.60			

Per County Standards, Infiltration Rate calculated as follows:

$$Q = \frac{\Delta H(60r)}{\Delta t(r + 2H_{avg})}$$

Where:

Q = Infiltration Rate (in inches per hour)
ΔH = Change in Height (Water Level) over the time interval
r = Test Hole (Borehole) Radius
Δt = Time Interval
H_{avg} = Average Head Height over the time interval

INFILTRATION CALCULATIONS

Project Name	Proposed Warehouse Development
Project Location	Rancho Cucamonga, California
Project Number	21G209-2
Engineer	Sam Bergeland

Test Hole Radius	4	(in)
Test Depth	12.25	(ft)

Infiltration Test Hole	I-2

Soil Criteria Test

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (in)	Did 6 inches of water seep away in less than 25 minutes?	Sandy Soils or Non-Sandy Soils?
1	Initial	4:00 PM	25.00	10.80	24.00	YES	SANDY SOILS
	Final	4:25 PM		12.80			
2	Initial	4:25 PM	25.00	10.80	24.00	YES	SANDY SOILS
	Final	4:50 PM		12.80			

Test Data

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (ft)	Average Head Height (ft)	Infiltration Rate Q (in/hr)
1	Initial	4:52 PM	10.00	10.80	1.19	0.86	13.98
	Final	5:02 PM		11.99			
2	Initial	5:02 PM	10.00	10.80	1.19	0.86	13.98
	Final	5:12 PM		11.99			
3	Initial	5:12 PM	10.00	10.80	1.15	0.88	13.25
	Final	5:22 PM		11.95			
4	Initial	5:22 PM	10.00	10.80	1.16	0.87	13.43
	Final	5:32 PM		11.96			
5	Initial	5:32 PM	10.00	10.80	1.14	0.88	13.07
	Final	5:42 PM		11.94			
6	Initial	5:42 PM	10.00	10.80	1.11	0.90	12.55
	Final	5:52 PM		11.91			

Per County Standards, Infiltration Rate calculated as follows:

$$Q = \frac{\Delta H(60r)}{\Delta t(r + 2H_{avg})}$$

Where:

- Q = Infiltration Rate (in inches per hour)
- ΔH = Change in Height (Water Level) over the time interval
- r = Test Hole (Borehole) Radius
- Δt = Time Interval
- H_{avg} = Average Head Height over the time interval

INFILTRATION CALCULATIONS

Project Name	Proposed Warehouse Development
Project Location	Rancho Cucamonga, California
Project Number	21G209-2
Engineer	Sam Bergeland

Test Hole Radius	4	(in)
Test Depth	12.40	(ft)

Infiltration Test Hole	I-3

Soil Criteria Test

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (in)	Did 6 inches of water seep away in less than 25 minutes?	Sandy Soils or Non-Sandy Soils?
1	Initial	10:05 AM	25.00	10.70	8.40	YES	SANDY SOILS
	Final	10:30 AM		11.40			
2	Initial	10:30 AM	25.00	10.70	6.12	YES	SANDY SOILS
	Final	10:55 AM		11.21			

Test Data

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (ft)	Average Head Height (ft)	Infiltration Rate Q (in/hr)
1	Initial	11:57 AM	10.00	10.70	0.29	1.56	2.02
	Final	12:07 PM		10.99			
2	Initial	12:07 PM	10.00	10.70	0.23	1.59	1.58
	Final	12:17 PM		10.93			
3	Initial	12:17 PM	10.00	10.70	0.20	1.60	1.36
	Final	12:27 PM		10.90			
4	Initial	12:27 PM	10.00	10.70	0.19	1.61	1.29
	Final	12:37 PM		10.89			
5	Initial	12:37 PM	10.00	10.70	0.19	1.61	1.29
	Final	12:47 PM		10.89			
6	Initial	12:47 PM	10.00	10.70	0.18	1.61	1.22
	Final	12:57 PM		10.88			

Per County Standards, Infiltration Rate calculated as follows:

$$Q = \frac{\Delta H(60r)}{\Delta t(r + 2H_{avg})}$$

Where:

Q = Infiltration Rate (in inches per hour)
ΔH = Change in Height (Water Level) over the time interval
r = Test Hole (Borehole) Radius
Δt = Time Interval
H_{avg} = Average Head Height over the time interval

INFILTRATION CALCULATIONS

Project Name	Proposed Warehouse Development
Project Location	Rancho Cucamonga, California
Project Number	21G209-2
Engineer	Sam Bergeland

Test Hole Radius	4	(in)
Test Depth	12.50	(ft)

Infiltration Test Hole	I-5

Soil Criteria Test

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (in)	Did 6 inches of water seep away in less than 25 minutes?	Sandy Soils or Non-Sandy Soils?
1	Initial	1:51 PM	25.00	10.50	21.60	YES	SANDY SOILS
	Final	2:16 PM		12.30			
2	Initial	2:16 PM	25.00	10.50	21.60	YES	SANDY SOILS
	Final	2:41 PM		12.30			

Test Data

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (ft)	Average Head Height (ft)	Infiltration Rate Q (in/hr)
1	Initial	2:46 PM	10.00	10.50	0.79	1.61	5.35
	Final	2:56 PM		11.29			
2	Initial	2:56 PM	10.00	10.50	0.78	1.61	5.27
	Final	3:06 PM		11.28			
3	Initial	3:06 PM	10.00	10.50	0.76	1.62	5.10
	Final	3:16 PM		11.26			
4	Initial	3:16 PM	10.00	10.50	0.72	1.64	4.78
	Final	3:26 PM		11.22			
5	Initial	3:26 PM	10.00	10.50	0.72	1.64	4.78
	Final	3:36 PM		11.22			
6	Initial	3:36 PM	10.00	10.50	0.70	1.65	4.62
	Final	3:46 PM		11.20			

Per County Standards, Infiltration Rate calculated as follows:

$$Q = \frac{\Delta H(60r)}{\Delta t(r + 2H_{avg})}$$

Where:

- Q = Infiltration Rate (in inches per hour)
- ΔH = Change in Height (Water Level) over the time interval
- r = Test Hole (Borehole) Radius
- Δt = Time Interval
- H_{avg} = Average Head Height over the time interval

INFILTRATION CALCULATIONS

Project Name	Proposed Warehouse Development
Project Location	Rancho Cucamonga, California
Project Number	21G209-2
Engineer	Sam Bergeland

Test Hole Radius	4	(in)
Test Depth	12.50	(ft)

Infiltration Test Hole	I-6

Soil Criteria Test

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (in)	Did 6 inches of water seep away in less than 25 minutes?	Sandy Soils or Non-Sandy Soils?
1	Initial	1:51 PM	25.00	10.50	15.60	YES	SANDY SOILS
	Final	2:16 PM		11.80			
2	Initial	2:16 PM	25.00	10.50	12.24	YES	SANDY SOILS
	Final	2:41 PM		11.52			

Test Data

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (ft)	Average Head Height (ft)	Infiltration Rate Q (in/hr)
1	Initial	2:46 PM	10.00	10.50	0.53	1.74	3.34
	Final	2:56 PM		11.03			
2	Initial	2:56 PM	10.00	10.50	0.47	1.77	2.92
	Final	3:06 PM		10.97			
3	Initial	3:06 PM	10.00	10.50	0.44	1.78	2.71
	Final	3:16 PM		10.94			
4	Initial	3:16 PM	10.00	10.50	0.41	1.80	2.51
	Final	3:26 PM		10.91			
5	Initial	3:26 PM	10.00	10.50	0.42	1.79	2.58
	Final	3:36 PM		10.92			
6	Initial	3:36 PM	10.00	10.50	0.41	1.80	2.51
	Final	3:46 PM		10.91			

Per County Standards, Infiltration Rate calculated as follows:

$$Q = \frac{\Delta H(60r)}{\Delta t(r + 2H_{avg})}$$

Where:

Q = Infiltration Rate (in inches per hour)
ΔH = Change in Height (Water Level) over the time interval
r = Test Hole (Borehole) Radius
Δt = Time Interval
H_{avg} = Average Head Height over the time interval

INFILTRATION CALCULATIONS

Project Name	Proposed Warehouse Development
Project Location	Rancho Cucamonga, California
Project Number	21G209-2
Engineer	Sam Bergeland

Test Hole Radius	4	(in)
Test Depth	12.40	(ft)

Infiltration Test Hole: I-7

Soil Criteria Test

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (in)	Did 6 inches of water seep away in less than 25 minutes?	Sandy Soils or Non-Sandy Soils?
1	Initial	7:40 AM	25.00	10.40	21.96	YES	SANDY SOILS
	Final	8:05 AM		12.23			
2	Initial	8:05 AM	25.00	10.40	20.88	YES	SANDY SOILS
	Final	8:30 AM		12.14			

Test Data

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (ft)	Average Head Height (ft)	Infiltration Rate Q (in/hr)
1	Initial	8:31 AM	10.00	10.40	1.59	1.21	13.91
	Final	8:41 AM		11.99			
2	Initial	8:41 AM	10.00	10.40	1.54	1.23	13.23
	Final	8:51 AM		11.94			
3	Initial	8:51 AM	10.00	10.40	1.42	1.29	11.70
	Final	9:01 AM		11.82			
4	Initial	9:01 AM	10.00	10.40	1.35	1.33	10.86
	Final	9:11 AM		11.75			
5	Initial	9:11 AM	10.00	10.40	1.33	1.34	10.63
	Final	9:21 AM		11.73			
6	Initial	9:21 AM	10.00	10.40	1.30	1.35	10.29
	Final	9:31 AM		11.70			

Per County Standards, Infiltration Rate calculated as follows:

$$Q = \frac{\Delta H(60r)}{\Delta t(r + 2H_{avg})}$$

Where:

- Q = Infiltration Rate (in inches per hour)
- ΔH = Change in Height (Water Level) over the time interval
- r = Test Hole (Borehole) Radius
- Δt = Time Interval
- H_{avg} = Average Head Height over the time interval

INFILTRATION CALCULATIONS

Project Name	Proposed Warehouse Development
Project Location	Rancho Cucamonga, California
Project Number	21G209-2
Engineer	Sam Bergeland

Test Hole Radius	4	(in)
Test Depth	12.40	(ft)

Infiltration Test Hole	I-8

Soil Criteria Test

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (in)	Did 6 inches of water seep away in less than 25 minutes?	Sandy Soils or Non-Sandy Soils?
1	Initial	9:30 AM	25.00	10.40	22.20	YES	SANDY SOILS
	Final	9:55 AM		12.25			
2	Initial	9:55 AM	25.00	10.40	20.16	YES	SANDY SOILS
	Final	10:20 AM		12.08			

Test Data

Interval Number		Time	Time Interval (min)	Water Depth (ft)	Change in Water Level (ft)	Average Head Height (ft)	Infiltration Rate Q (in/hr)
1	Initial	10:21 AM	10.00	10.40	1.59	1.21	13.91
	Final	10:31 AM		11.99			
2	Initial	10:31 AM	10.00	10.40	1.55	1.23	13.37
	Final	10:41 AM		11.95			
3	Initial	10:41 AM	10.00	10.40	1.54	1.23	13.23
	Final	10:51 AM		11.94			
4	Initial	10:51 AM	10.00	10.40	1.51	1.25	12.84
	Final	11:01 AM		11.91			
5	Initial	11:01 AM	10.00	10.40	1.50	1.25	12.71
	Final	11:11 AM		11.90			
6	Initial	11:11 AM	10.00	10.40	1.50	1.25	12.71
	Final	11:21 AM		11.90			

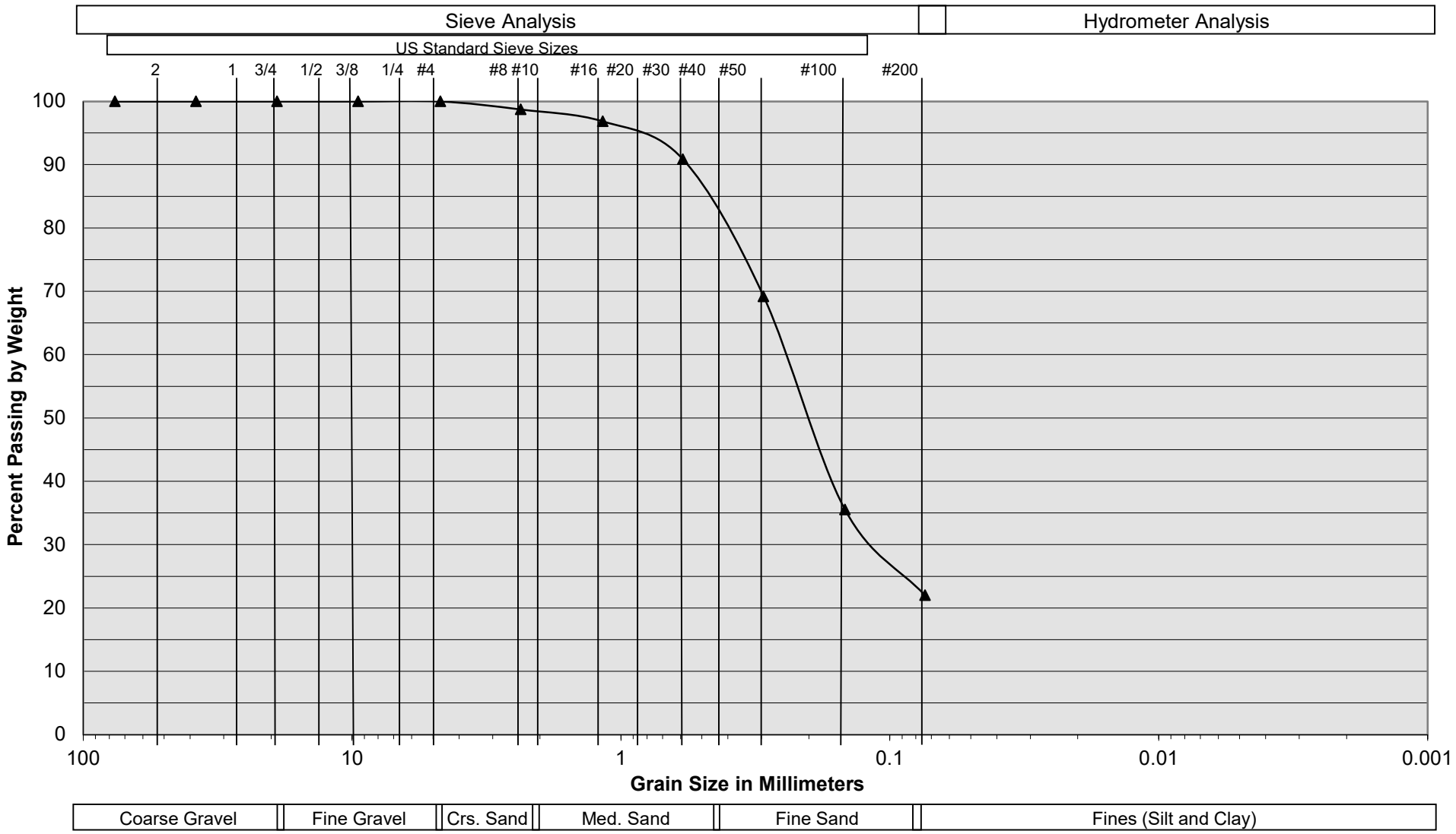
Per County Standards, Infiltration Rate calculated as follows:

$$Q = \frac{\Delta H(60r)}{\Delta t(r + 2H_{avg})}$$

Where:

Q = Infiltration Rate (in inches per hour)
ΔH = Change in Height (Water Level) over the time interval
r = Test Hole (Borehole) Radius
Δt = Time Interval
H_{avg} = Average Head Height over the time interval

Grain Size Distribution

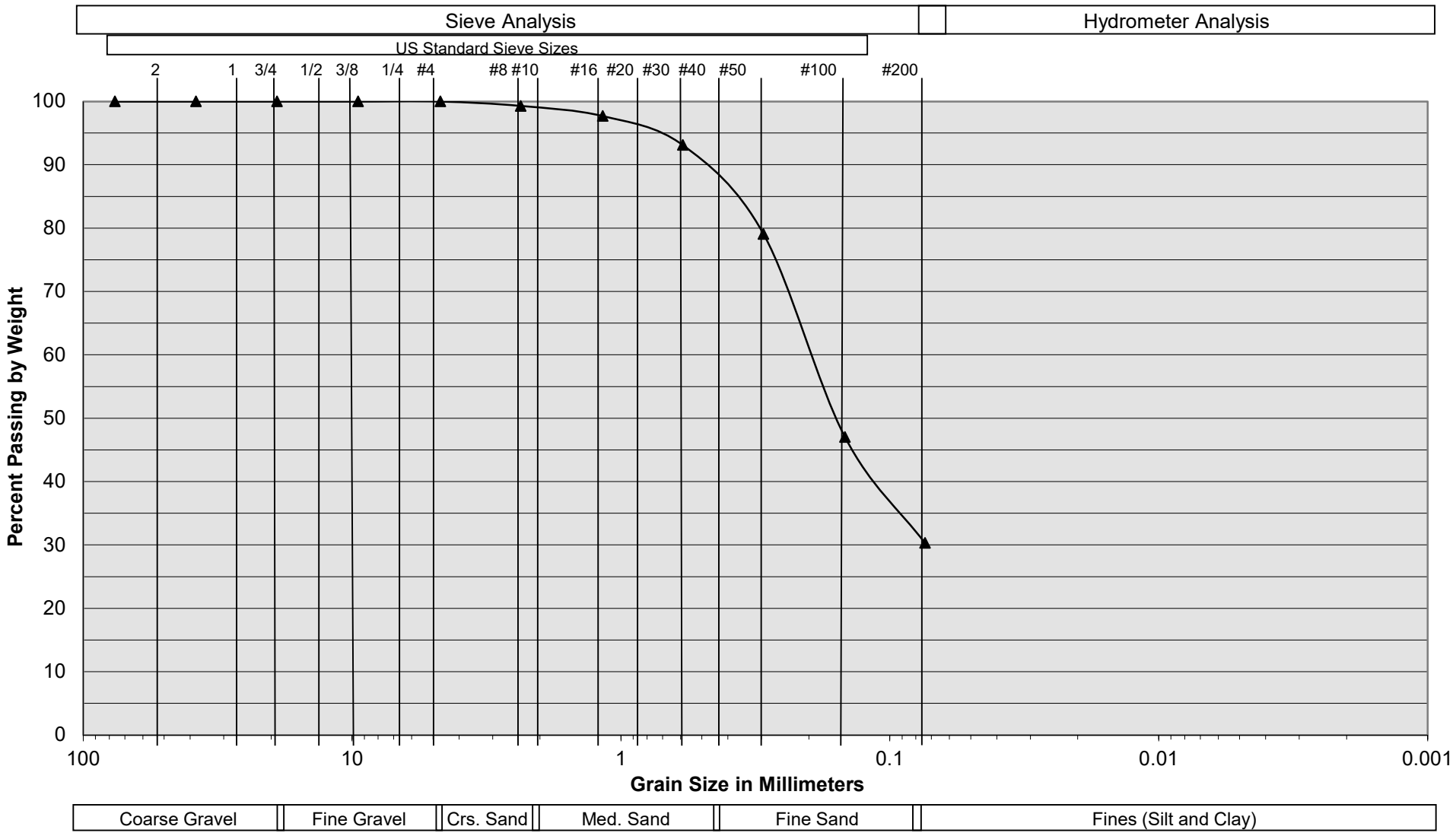


Sample Description	I-1 @ 10.5 feet
Soil Classification	Brown Silty fine to medium Sand

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-2
PLATE C- 1

SoCalGeo
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A California Corporation

Grain Size Distribution

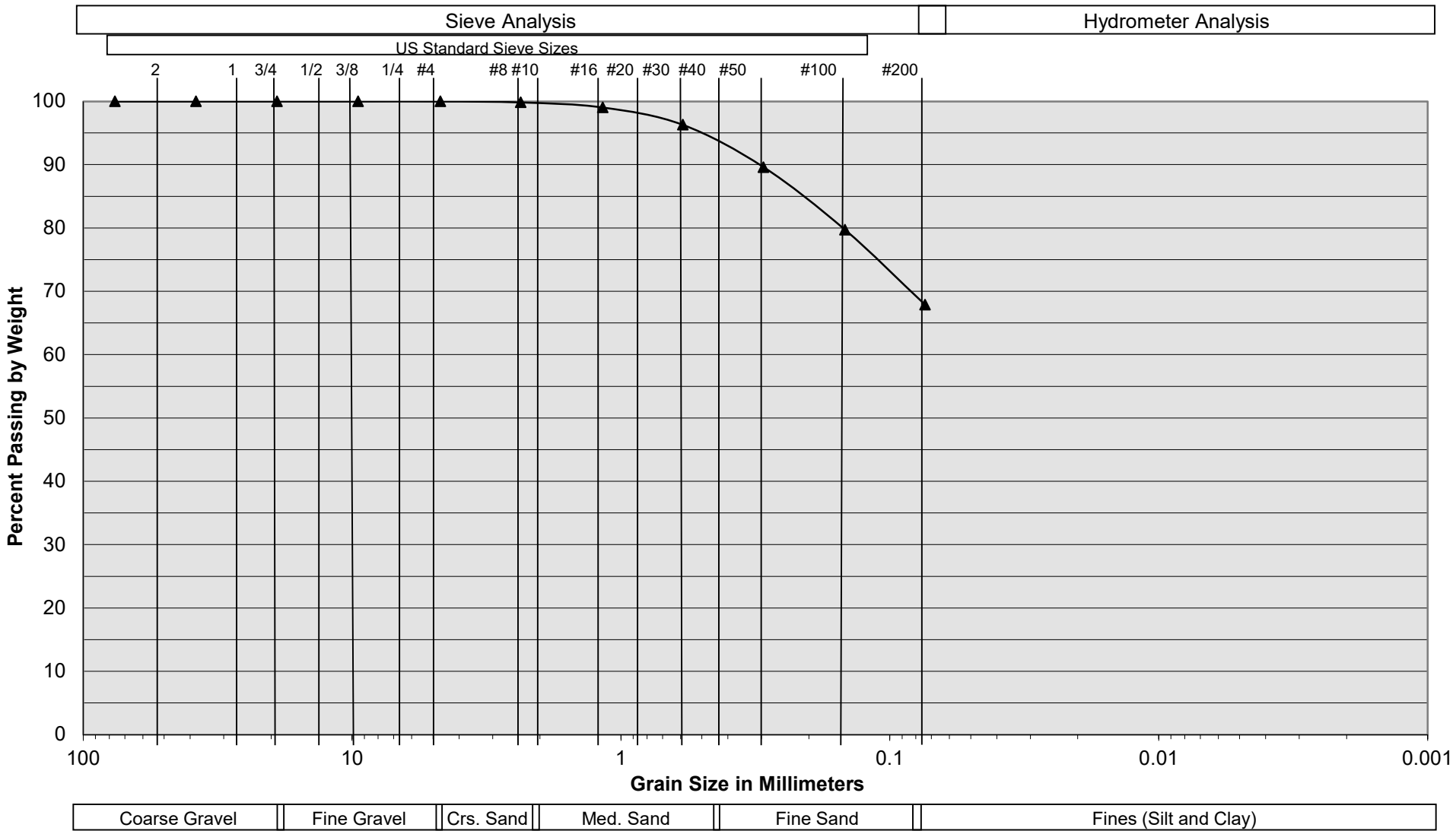


Sample Description	I-2 @ 10.5 feet
Soil Classification	Brown Silty fine to medium Sand

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-2
PLATE C- 2

SoCalGeo
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A California Corporation

Grain Size Distribution

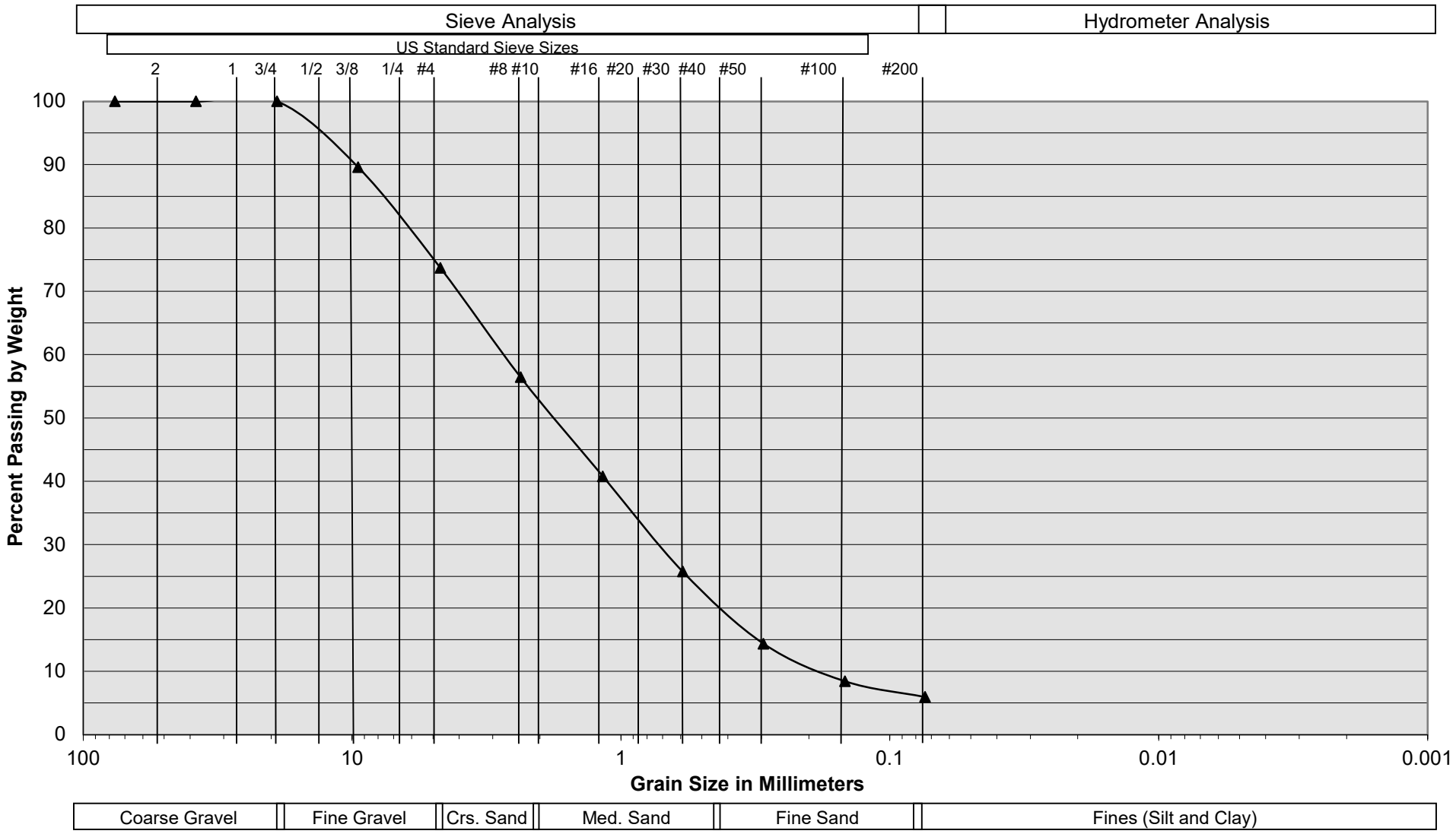


Sample Description	I-3 @ 10.5 feet
Soil Classification	Light Brown fine to medium Sandy Silt

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209
PLATE C- 3

SoCalGeo
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Grain Size Distribution

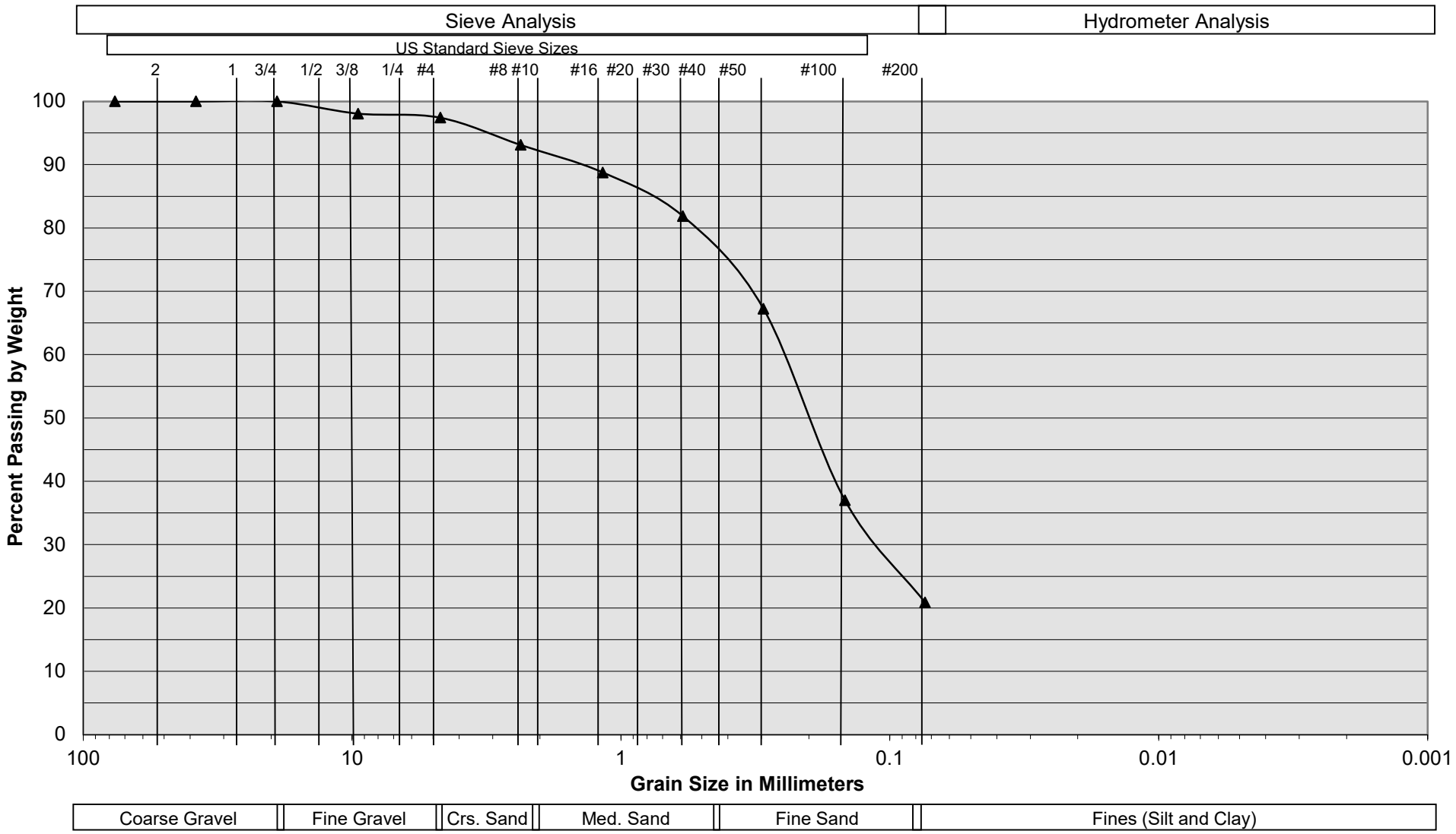


Sample Description	I-4 @ 3.5 feet
Soil Classification	Gray Gravelly fine to coarse Sand, trace Silt

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209-2
PLATE C- 4

SoCalGeo
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A California Corporation

Grain Size Distribution

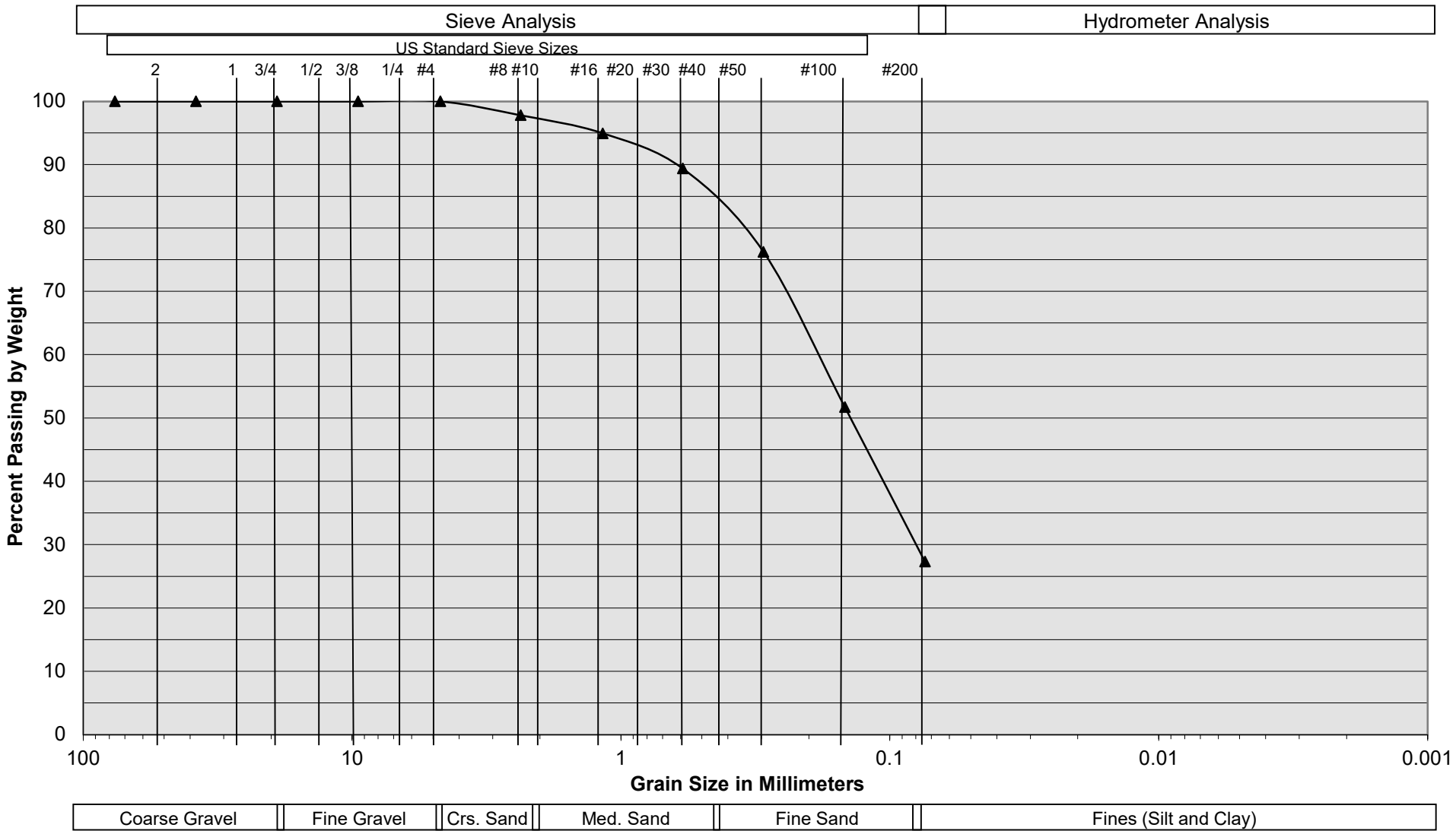


Sample Description	I-5 @ 10.5 feet
Soil Classification	Brown Silty fine to coarse Sand

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209
PLATE C- 5

SoCalGeo
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Grain Size Distribution

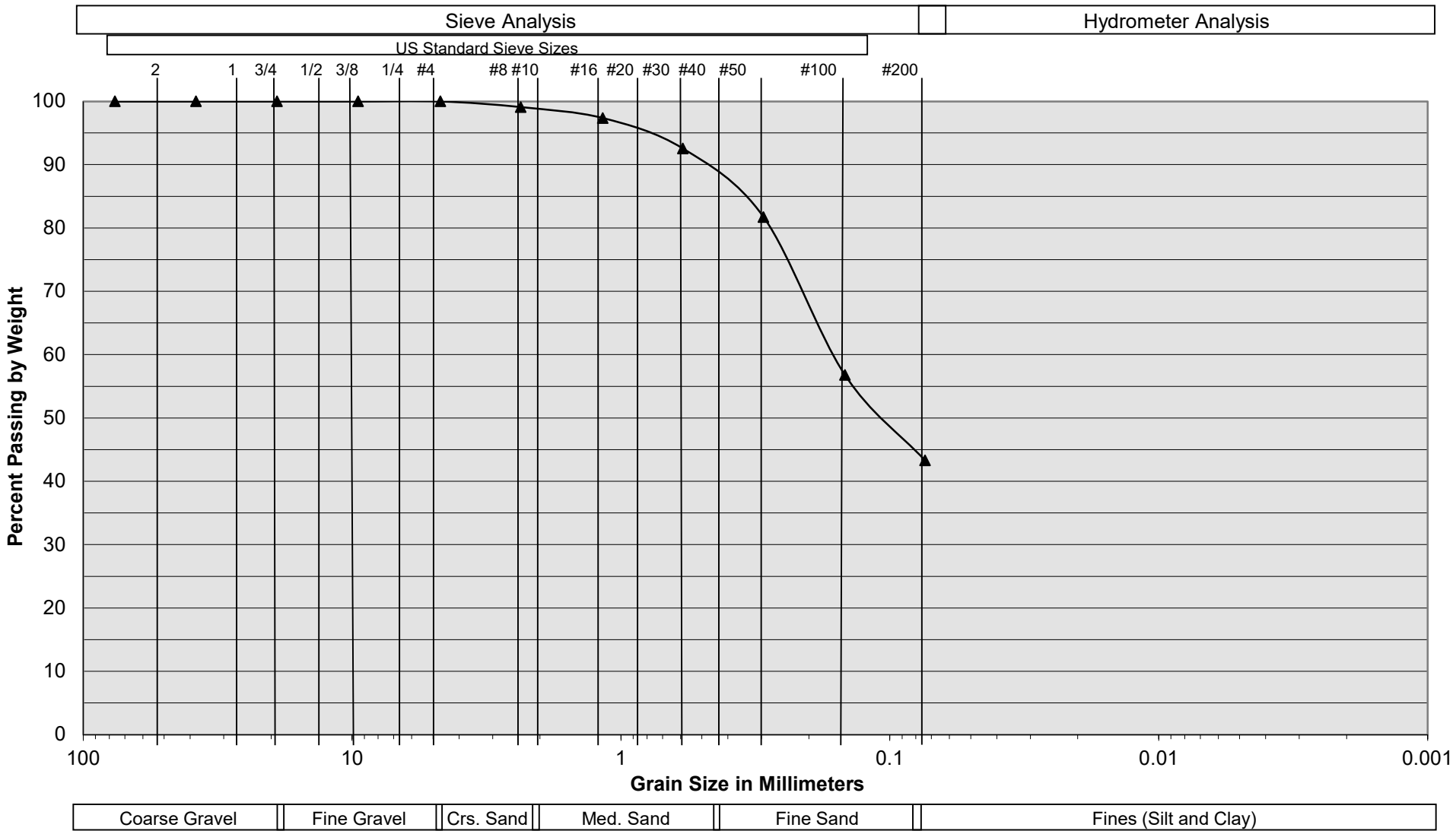


Sample Description	I-6 @ 10.5 feet
Soil Classification	Brown Silty fine to medium Sand, trace coarse Sand

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209
PLATE C- 6

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Grain Size Distribution

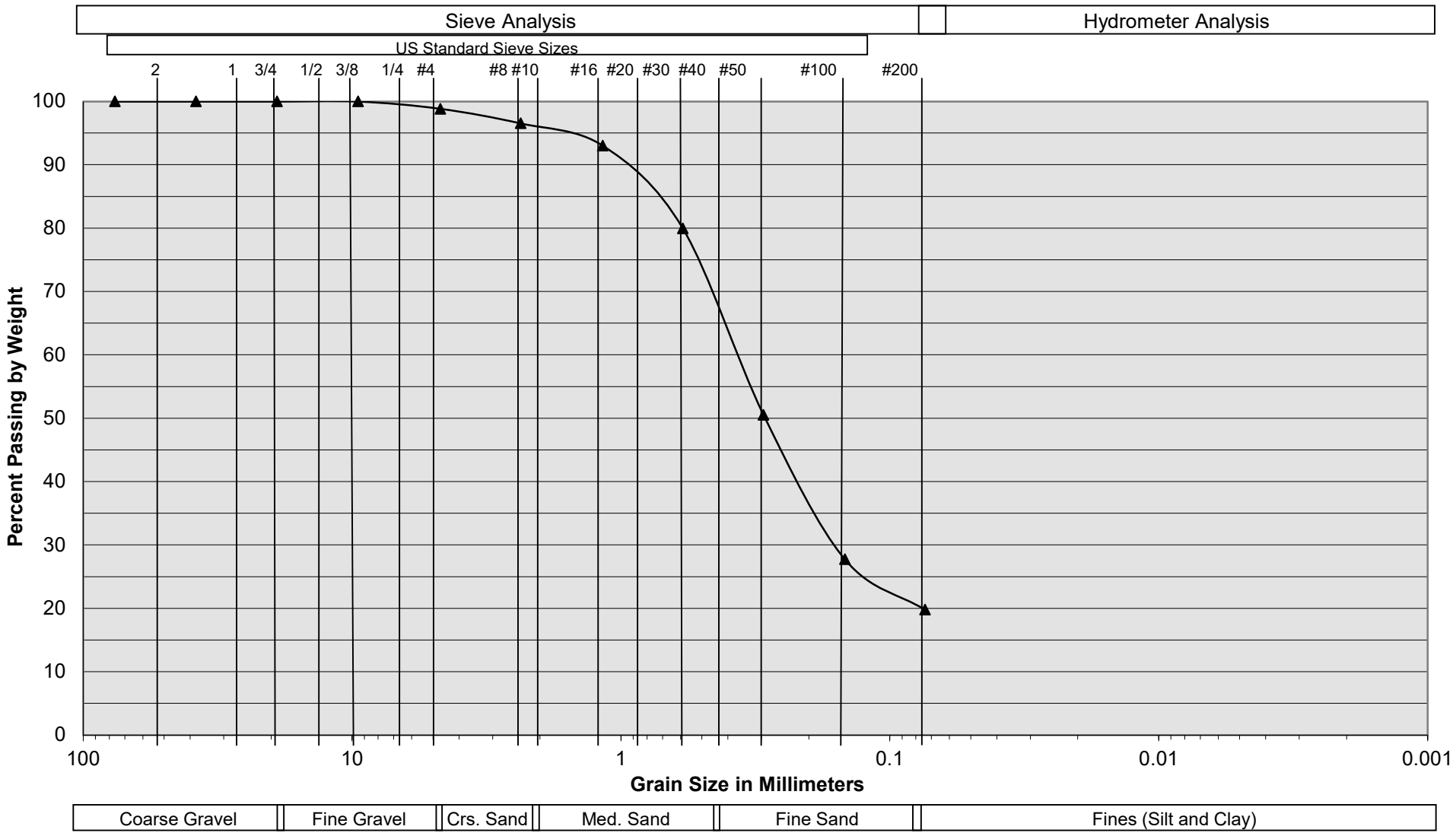


Sample Description	I-7 @ 10.5 feet
Soil Classification	Light Brown Silty fine to medium Sand

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209
PLATE C- 7

SoCalGeo
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Grain Size Distribution

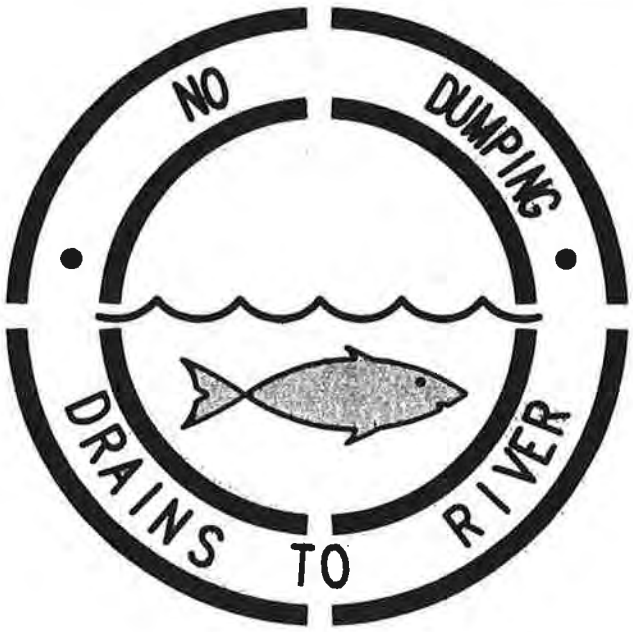


Sample Description	I-8 @ 10.5 feet
Soil Classification	Brown Silty fine to medium Sand, trace coarse Sand

Proposed Warehouse Development
Rancho Cucamonga, CA
Project No. 21G209
PLATE C- 8

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Attachment G
BMP Maintenance Material



SAMPLE STENCIL TO BE USED NEAR GRATE AND CURB OPENING INLETS

SYMBOL TO BE 24" IN DIAMETER

Thienes Engineering
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

SAMPLE CATCH BASIN STENCIL
PER BMP SD-13

Drain Inlet Insert MP-52

General Description

Drain inlet inserts, also known as catch basin, drop inlet or curb inlet inserts, are used to remove pollutants at the point of entry to the storm drain system. There are a multitude of inserts of various shapes and configurations including baffles, baskets, boxes, fabrics, sorbent media, screens, and skimmers. The effectiveness of drain inlet inserts depends on their design, application, loading, and frequency of maintenance to remove accumulated sediment, trash, and debris.

Inspection / Maintenance Considerations

Routine inspection and maintenance is necessary to maintain functionality of drain inlet inserts and to prevent re-suspension and discharge of accumulated pollutants. Maintenance activities vary depending on the type of drain inlet insert being implemented; refer to the manufacturer's recommendations for more information.

Advanced BMPs Covered



Maintenance Concerns

- *Sediment, Trash, and Debris Accumulations*
- *Pollutant Re-suspension and Discharge*

Targeted Constituents*

Sediment	✓
Nutrients	✓
Trash	✓
Metals	✓
Bacteria	
Oil and Grease	✓
Organics	✓

**Removal Effectiveness varies for different manufacturer designs. See New Development and Redevelopment Handbook-Section 5 for more information.*

CASQA
CALIFORNIA STORMWATER QUALITY ASSOCIATION®

Inspection Activities	Suggested Frequency
☐ Verify that stormwater enters the unit and does not leak around the perimeter.	After construction.
☐ Inspect for sediment, trash, and debris buildup and proper functioning.	At the beginning of the wet season and after significant storms
Maintenance Activities	**Suggested Frequency**
☐ Remove accumulated sediment, trash, and debris. ☐ Replace sorbent media.	At the beginning of the wet season and as necessary

References

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CONTECH®
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Bio Clean® Grate Inlet Filter
Operation & Maintenance Manual

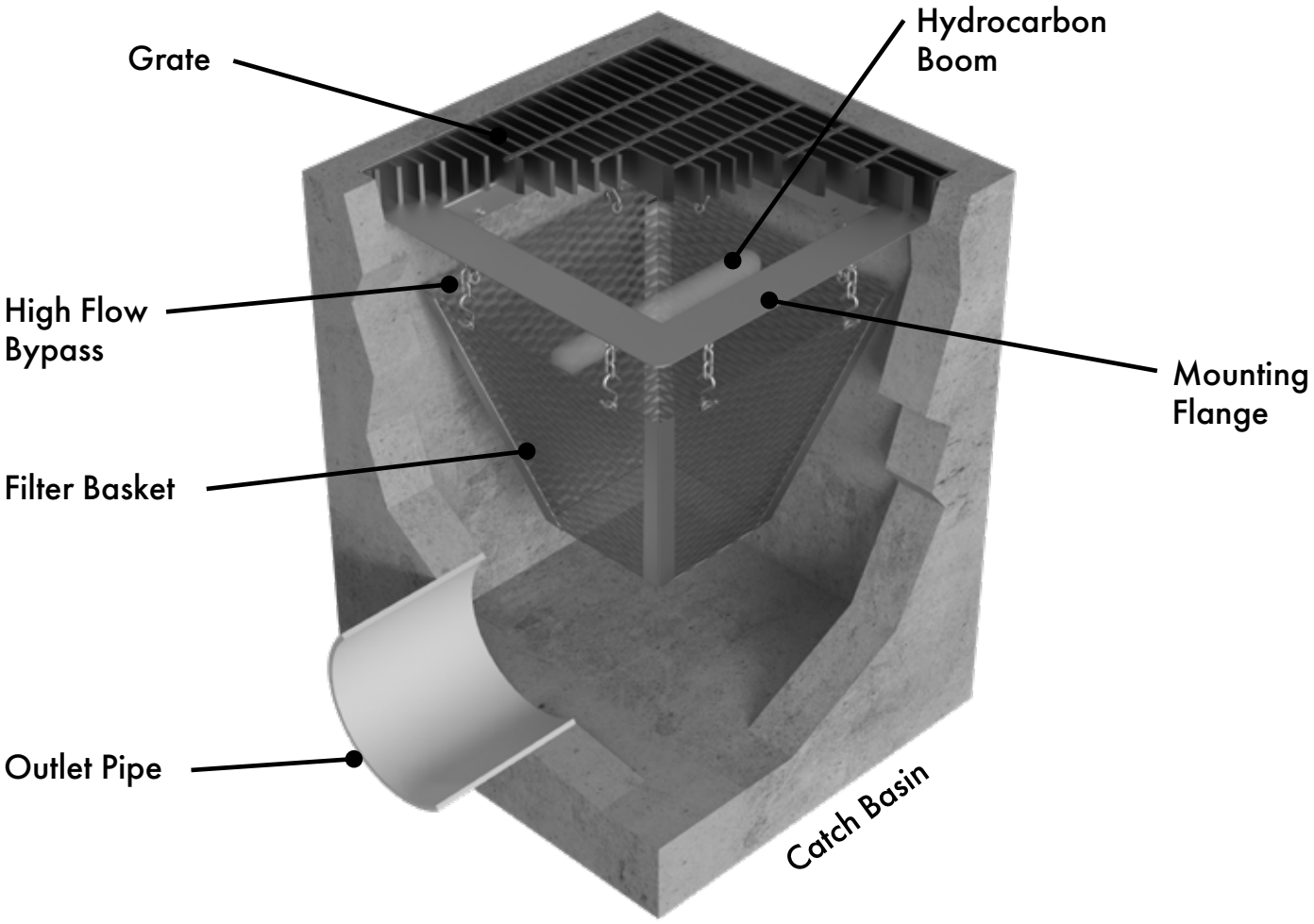


Bio Clean®

Operation & Maintenance

Contech's Bio Clean® Grate Inlet Filter is a stormwater device designed to remove high levels of trash, debris, sediments and hydrocarbons. The filter is available in several configurations including trash full capture, Kraken® membrane filter, and fabric filter variations. This manual covers maintenance procedures of the trash full capture and fabric filter configurations. A supplemental manual is available for the Kraken variation. The trash full capture filter is made of 100% stainless steel, while the fabric filter is made of a woven monofilament geotextile fabric. Both filters are available at various sizes and depths allowing them to fit in any grated catch basin inlet. The filters heavy duty construction allows for cleaning with any vacuum truck. The filter can also easily be cleaned by hand.

As with all stormwater BMPs, inspection and maintenance on the Grate Inlet Filter is necessary. Stormwater regulations require BMPs be inspected and maintained to ensure they are operating as designed to allow for effective pollutant removal and provide protection to receiving water bodies. It is recommended that inspections be performed multiple times during the first year to assess site-specific loading conditions. This is recommended because pollutant loading can vary greatly from site to site. Variables such as nearby soil erosion or construction sites, winter sanding of roads, amount of daily traffic and land use can increase pollutant loading on the system. The first year of inspections can be used to set inspection and maintenance intervals for subsequent years. Without appropriate maintenance, a BMP can exceed its storage capacity which can negatively affect its continued performance in removing and retaining captured pollutants.



System Diagram

Inspection Equipment

Following is a list of equipment to allow for simple and effective inspection of the Grate Inlet Filter:

- Contech Inspection Form (contained within this manual).
- Manhole hook or appropriate tools to remove access hatches and covers.
- Appropriate traffic control signage and procedures.
- Protective clothing and eye protection.
- Note: entering a confined space requires appropriate safety and certification. It is generally not required for routine inspections or maintenance of the system.



Inspection Steps

The core to any successful stormwater BMP maintenance program is routine inspections. The inspection steps required on the Grate Inlet Filter are quick and easy. As mentioned above, the first year should be seen as the maintenance interval establishment phase. During the first year, more frequent inspections should occur in order to gather loading data and maintenance requirements for that specific site. This information can be used to establish a base for long-term inspection and maintenance interval requirements.

The Grate Inlet Filter can be inspected though visual observation. All necessary pre-inspection steps must be carried out before inspection occurs, such as safety measures to protect the inspector and nearby pedestrians from any dangers associated with an open grated inlet. Once the grate has been safely removed, the inspection process can proceed:

- Prepare the inspection form by writing in the necessary information including project name, location, date & time, unit number and other info (see inspection form).
- Observe the filter with the grate removed.
- Look for any out of the ordinary obstructions on the grate or in the filter and its bypass. Write down any observations on the inspection form.
- Through observation and/or digital photographs estimate the amount of trash, foliage and sediment accumulated inside the filter basket. Record this information on the inspection form.
- Observe the condition and color of the hydrocarbon boom. Record this information on the inspection form.
- Finalize inspection report for analysis by the maintenance manager to determine if maintenance is required.

Maintenance Indicators

Based upon observations made during inspection, maintenance of the system may be required based on the following indicators:

- Missing or damaged internal components.
- Obstructions in the filter basket and its bypass.
- Excessive accumulation of trash, foliage and sediment in the filter basket. Maintenance is required when the basket is greater than half-full.
- The following chart shows the 50% and 100% storage capacity of each filter height:

Basket Model	Height[1] (inches)	Top Width (inches)	Top Length (inches)	Bottom Width (inches)	Bottom Length (inches)	50% Storage Capacity (CF)	100% Storage Capacity (CF)
BIO-GRATE-FULL/ FABRIC-12-12-12	6.00	10.00	10.00	8.31	8.31	0.15	0.30
BIO-GRATE-FULL/ FABRIC-18-18-12	6.00	15.00	15.00	12.50	12.50	0.33	0.66
BIO-GRATE-FULL/ FABRIC-24-24-12	6.00	20.00	20.00	16.69	16.69	0.59	1.18
BIO-GRATE-FULL/ FABRIC-24-24-24	18.00	20.00	20.00	10.00	10.00	1.22	2.44
BIO-GRATE-FULL/ FABRIC-24-40-12	6.00	20.00	30.00	16.69	25.00	0.88	1.76
BIO-GRATE-FULL/ FABRIC-24-40-24	18.00	20.00	30.00	10.00	15.00	1.82	3.64
BIO-GRATE-FULL/ FABRIC-36-36-24	18.00	30.00	30.00	15.00	15.00	2.73	5.46
BIO-GRATE-FULL/ FABRIC-24-40-24	18.00	20.00	30.00	10.00	15.00	1.82	3.64
BIO-GRATE-FULL/ FABRIC-36-36-24	18.00	30.00	30.00	15.00	15.00	2.73	5.46

[1] Refers to basket height, total system height is equal to basket height plus 6 inches for bypass.

Maintenance Equipment

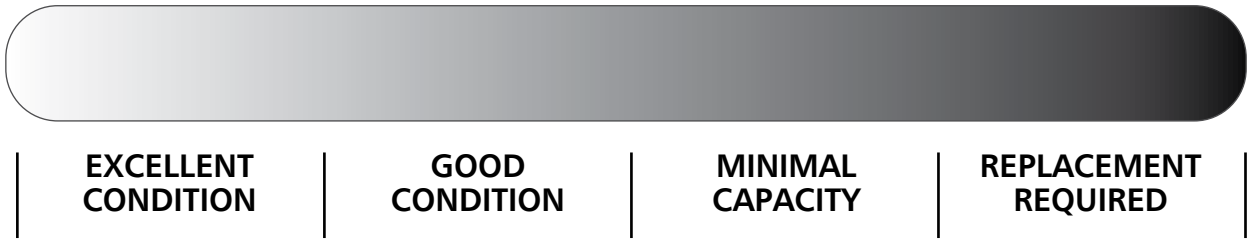
It is recommended that a vacuum truck be utilized to minimize the time required to maintain the Curb Inlet Filter, though it can easily be cleaned by hand:

- Contech Maintenance Form (contained in O&M Manual).
- Manhole hook or appropriate tools to remove the grate.
- Appropriate safety signage and procedures.
- Protective clothing and eye protection.
- Note: entering a confined space requires appropriate safety and certification. It is generally not required for routine maintenance of the system. Small or large vacuum truck (with pressure washer attachment preferred).

Maintenance Procedures

It is recommended that maintenance occurs at least two days after the most recent rain event to allow debris and sediments to dry out. Maintaining the system while flows are still entering it will increase the time and complexity required for maintenance. Cleaning of the Grate Inlet Filter can be performed utilizing a vacuum truck. Once all safety measures have been set up, cleaning of the Grate Inlet Filter can proceed as followed:

- Remove grate (traffic control and safety measures to be completed prior)
- Using an extension on a vacuum truck, position the hose over the opened catch basin. Insert the vacuum hose down into the filter basket and suck out trash, foliage and sediment. A pressure wash is recommended and will assist in spraying off any debris stuck on the side or bottom of the filter basket. Power wash off the filter basket sides and bottom.
- Next, remove the hydrocarbon boom that is attached to the inside of the filter basket. The hydrocarbon boom is fastened to rails on two opposite sides of the basket (vertical rails). Assess the color and condition of the boom using the following information in the next bullet point. If replacement is required, install and fasten on a new hydrocarbon boom. Booms can be ordered directly from the manufacturer.
- The following is a replacement indication color chart for the hydrocarbon booms:

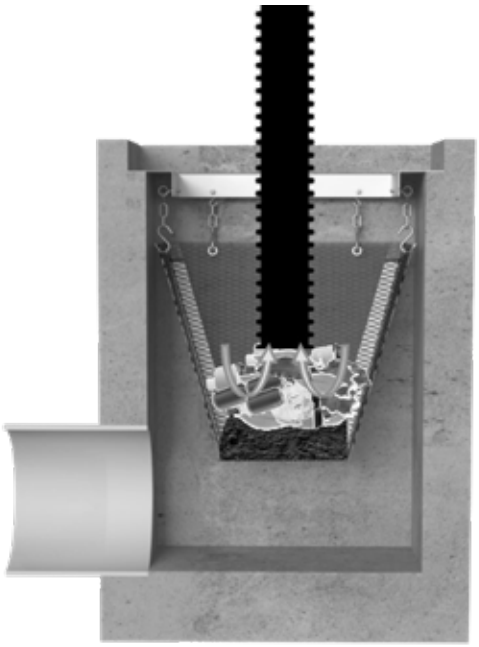


- The last step is to replace the grate and remove all traffic control.
- All removed debris and pollutants shall be disposed of following local and state requirements.
- Disposal requirements for recovered pollutants may vary depending on local guidelines. In most areas the sediment, once dewatered, can be disposed of in a sanitary landfill. It is not anticipated that the sediment would be classified as hazardous waste.
- In the case of damaged components, replacement parts can be ordered from the manufacturer. Hydrocarbon booms can also be ordered directly from the manufacturer as previously noted.

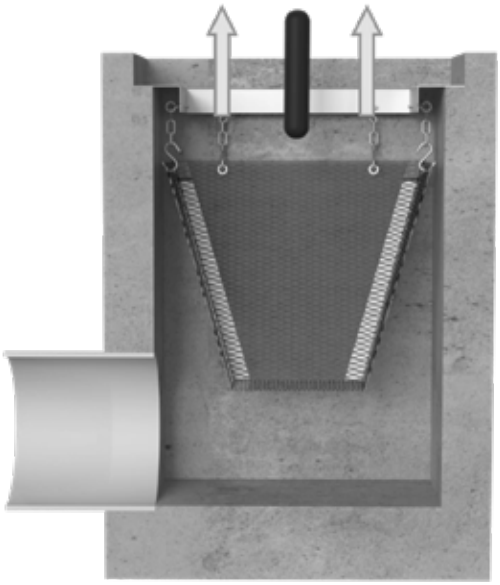
Maintenance Sequence



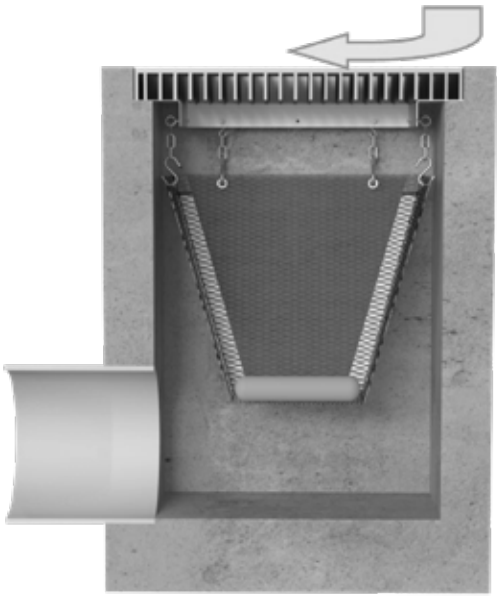
1. Remove grate and set up vacuum truck to clean the filter basket.



2. Insert the vacuum hose down into the filter basket and suck out debris. Use a pressure washer to assist in vacuum removal. Pressure wash off screens.



3. Remove the hydrocarbon boom that is attached to the inside of the filter basket. The hydrocarbon boom is fastened to rails on two opposite sides of the basket (vertical rails). Assess the color and condition of the boom using the information in the chart above. If replacement is required, install and fasten on a new hydrocarbon boom.



4. Close up and replace the grate and remove all traffic control. All removed debris and pollutants shall be disposed of following local and state requirements.

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Inspection and Maintenance Report
Catch Basin Only

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Inspector Name _____ Date ____ / ____ / _____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

Site Map #	GPS Coordinates of Insert	Catch Basin Size	Evidence of Illicit Discharge?	Trash Accumulation	Foliage Accumulation	Sediment Accumulation	Signs of Structural Damage?	Functioning Properly or Maintenance Needed?
1	Lat: Long:							
2	Lat: Long:							
3	Lat: Long:							
4	Lat: Long:							
5	Lat: Long:							
6	Lat: Long:							
7	Lat: Long:							
8	Lat: Long:							
10	Lat: Long:							
11	Lat: Long:							
12	Lat: Long:							
Comments:								



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Bio Clean® Curb Inlet Filter
Operation & Maintenance Manual

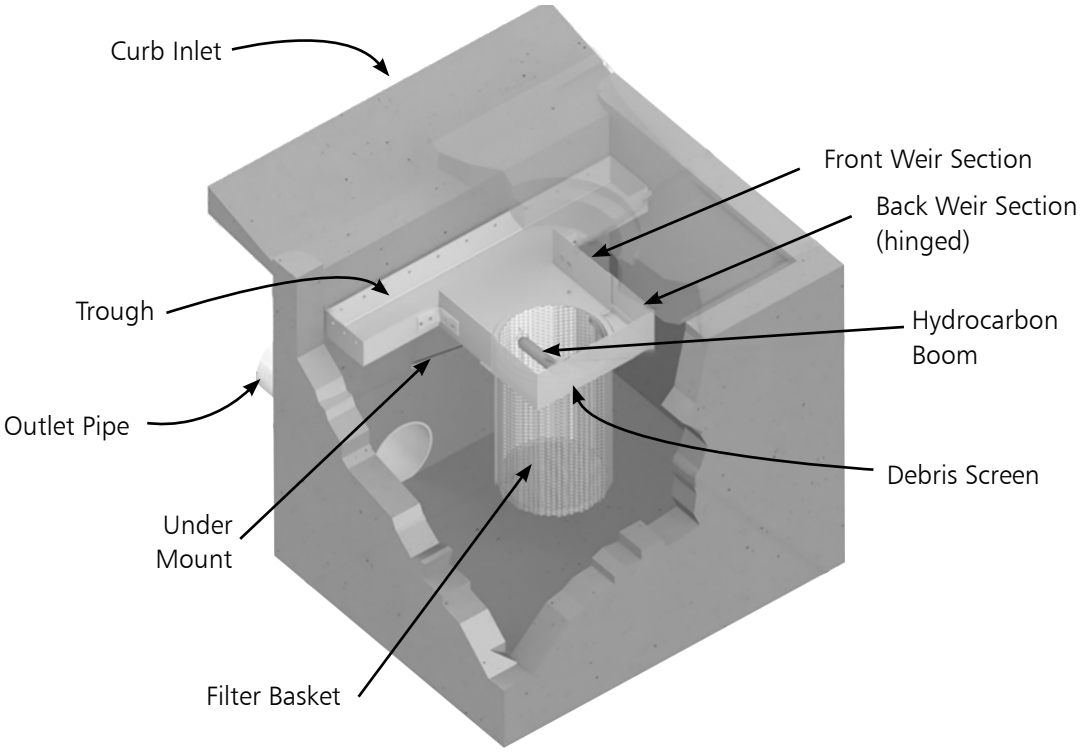


Bio Clean®

Operation & Maintenance

Contech's Bio Clean® Curb Inlet Filter is a stormwater device designed to remove high levels of trash, debris, sediments and hydrocarbons. The filter is available in several configurations including trash full capture,filter fabric, and Kraken membrane filter variations. This manual covers maintenance procedures of the trash full capture and filter fabric configurations. A supplemental manual is available for the Kraken variations. The innovative trough & weir system is mounted along the curb face and directs incoming stormwater toward the filter basket which is positioned "directly" under the manhole access opening regardless of its location in the catch basin. This innovative design allows the filter to be cleaned from finish surface without access into the catch basin, therefore drastically reducing maintenance time and eliminating confined space entry. The filter has a lifting handle allowing for the filter to be removed easily through the manhole. The weir also folds up to allow for unimpeded access into the basin for routine maintenance or pipe jetting.

As with all stormwater BMPs, inspection and maintenance on the Curb Inlet Filter is necessary. Stormwater regulations require BMPs be inspected and maintained to ensure they are operating as designed to allow for effective pollutant removal and provide protection to receiving water bodies. It is recommended that inspections be performed multiple times during the first year to assess site-specific loading conditions. This is recommended because pollutant loading can vary greatly from site to site. Variables such as nearby soil erosion or construction sites, winter sanding of roads, amount of daily traffic and land use can increase pollutant loading on the system. The first year of inspections can be used to set inspection and maintenance intervals for subsequent years. Without appropriate maintenance a BMP can exceed its storage capacity which can negatively affect its continued performance in removing and retaining captured pollutants.



Inspection Equipment

Following is a list of equipment to allow for simple and effective inspection of the Curb Inlet Filter:

- Contech Inspection Form (contained within this manual).
- Manhole hook or appropriate tools to remove access hatches and covers.
- Appropriate traffic control signage and procedures.
- Protective clothing and eye protection.
- Note: entering a confined space requires appropriate safety and certification. It is generally not required for routine inspections or maintenance of the system.



Inspection Steps

The core to any successful stormwater BMP maintenance program is routine inspections. The inspection steps required on the Curb Inlet Filter are quick and easy. As mentioned above the first year should be seen as the maintenance interval establishment phase. During the first year more frequent inspections should occur in order to gather loading data and maintenance requirements for that specific site. This information can be used to establish a base for long-term inspection and maintenance interval requirements.

The Curb Inlet Filter can be inspected though visual observation without entry into the catch basin. All necessary pre-inspection steps must be carried out before inspection occurs, such as safety measures to protect the inspector and nearby pedestrians from any dangers associated with an open access hatch or manhole. Once the manhole has been safely opened the inspection process can proceed:

- Prepare the inspection form by writing in the necessary information including project name, location, date & time, unit number and other info (see inspection form).
- Observe the inside of the catch basin through the manhole. If minimal light is available and vision into the unit is impaired utilize a flashlight to see inside the catch basin.
- Look for any out of the ordinary obstructions in the catch basin, trough, weir, filter basket, basin floor our outlet pipe. Write down any observations on the inspection form.
- Through observation and/or digital photographs estimate the amount of trash, foliage and sediment accumulated inside the filter basket. Record this information on the inspection form.
- Observe the condition and color of the hydrocarbon boom. Record this information on the inspection form.
- Finalize inspection report for analysis by the maintenance manager to determine if maintenance is required.

Maintenance Indicators

Based upon observations made during inspection, maintenance of the system may be required based on the following indicators:

- Missing or damaged internal components.
- Obstructions in the filter basket and its bypass.
- Excessive accumulation of trash, foliage and sediment in the filter basket. Maintenance is required when the basket is greater than half-full.
- The following chart shows the 50% and 100% storage capacity of each filter height:

Basket Model	Filter Basket Diameter (inches)	Filter Basket Height (inches)	50% Storage Capacity (CF)	100% Storage Capacity (CF)
BC-CURB-24	16	24	1.77	3.53
BC-CURB-12	16	12	0.88	1.77

Maintenance Equipment

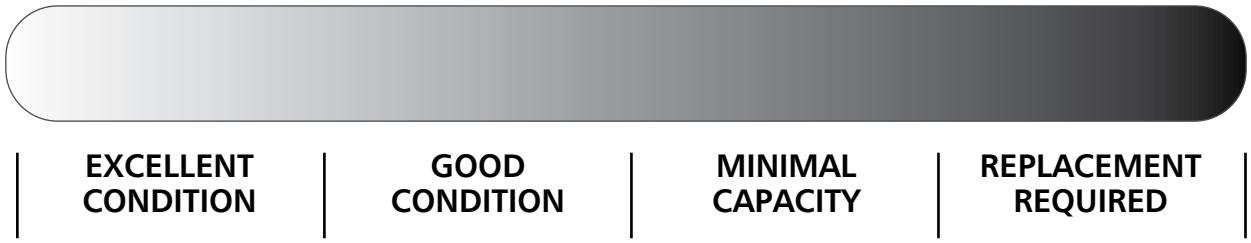
It is recommended that a vacuum truck be utilized to minimize the time required to maintain the Curb Inlet Filter though it can easily cleaned by hand:

- Contech Maintenance Form (contained in O&M Manual).
- Manhole hook or appropriate tools to access hatches and covers.
- Appropriate safety signage and procedures.
- Protective clothing and eye protection.
- Note: entering a confined space requires appropriate safety and certification. It is generally not required for routine maintenance of the system. Small or large vacuum truck (with pressure washer attachment preferred).

Maintenance Procedures

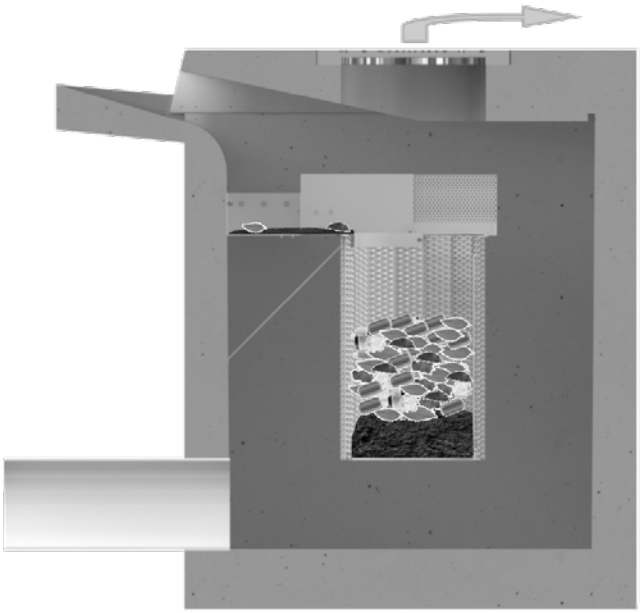
It is recommended that maintenance occurs at least two days after the most recent rain event to allow debris and sediments to dry out. Maintaining the system while flows are still entering it will increase the time and complexity required for maintenance. Cleaning of the Curb Inlet Filter can be performed from finish surface without entry into catch basin utilizing a vacuum truck. Some unique and custom configurations may create conditions which would require entry for some or all of the maintenance procedures. Once all safety measures have been set up cleaning of the Curb Inlet Filter can proceed as followed:

- Remove all manhole cover or access hatches (traffic control and safety measures to be completed prior).
- Using an extension on a vacuum truck position the hose over the opened manhole or hatch opening. Insert the vacuum hose down into the filter basket and suck out trash, foliage and sediment. A pressure wash is recommended and will assist in spraying of any debris stuck on the side or bottom of the filter basket. If the filter basket is full, trash, sediment, and debris will accumulate inside the trough and weir sections of the system. Once the filter basket is clean power wash the weir and trough pushing these debris into the filter basket (leave the hose in the filter basket during this process so entering debris will be sucked out). Power wash off the trough, weir, debris screen, and filter basket sides and bottom.
- Next remove the hydrocarbon boom that is attached to the inside of the filter basket. The hydrocarbon boom is fastened to rails on two opposite sides of the basket (vertical rails). Assess the color and condition of the boom using the following information in the next bullet point. If replacement is required install and fasten on a new hydrocarbon boom. Booms can be ordered directly from the manufacturer.
- Follow is a replacement indication color chart for the hydrocarbon booms:

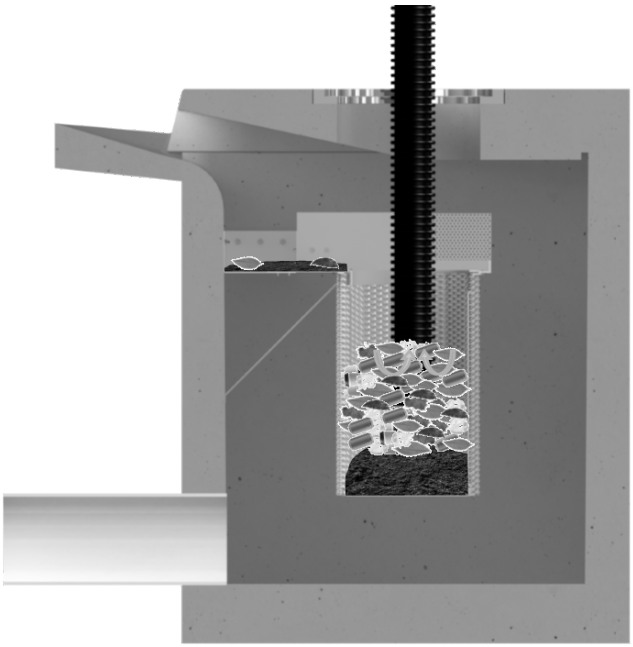


- The last step is to close up and replace the manhole or hatch and remove all traffic control.
- All removed debris and pollutants shall be disposed of following local and state requirements.
- Disposal requirements for recovered pollutants may vary depending on local guidelines. In most areas the sediment, once dewatered, can be disposed of in a sanitary landfill. It is not anticipated that the sediment would be classified as hazardous waste.
- In the case of damaged components, replacement parts can be ordered from the manufacturer. Hydrocarbon booms can also be ordered directly from the manufacturer as previously noted.

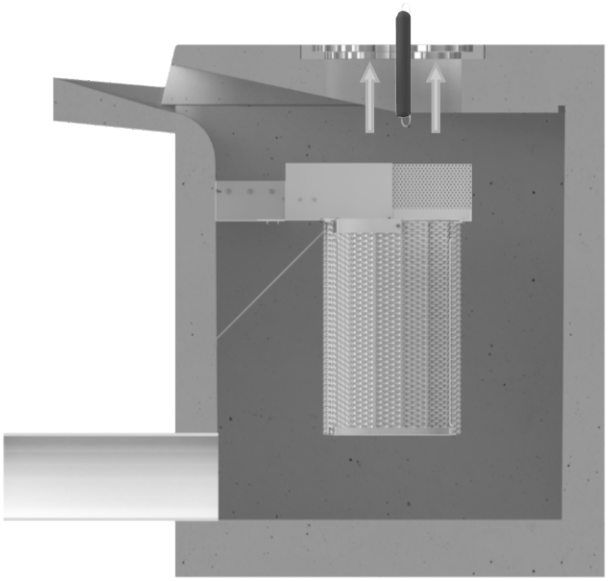
Maintenance Sequence



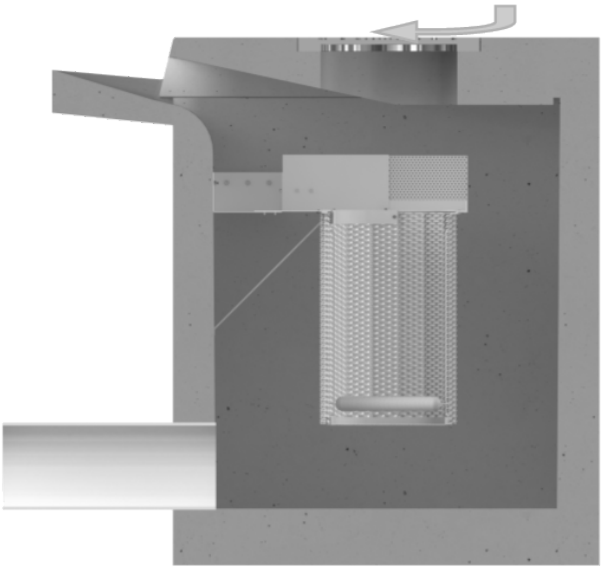
1. *Remove manhole cover and set up vacuum truck to clean the filter basket. Ensure all traffic control and safety measures are in place.*



2. *Insert the vacuum hose down into the filter basket and suck out debris. Use a pressure washer to assist in vacuum removal. Pressure wash off the weir and trough and vacuum out any remaining debris.*



3. *Remove the hydrocarbon boom that is attached to the inside of the filter basket. The hydrocarbon boom is fastened to rails on two opposite sides of the basket (vertical rails). Assess the color and condition of the boom using the following information in the next bullet point. If replacement is required install and fasten on a new hydrocarbon boom.*



4. *Close up and replace the manhole or hatch and remove all traffic control. All removed debris and pollutants shall be disposed of following local and state requirements.*

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Inspection and Maintenance Report
Catch Basin Only

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

For Office Use Only
(Reviewed By)
(Date)
Office personnel to complete section to the left.

Inspector Name _____ Date ____ / ____ / _____ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

Site Map #	GPS Coordinates of Insert	Catch Basin Size	Evidence of Illicit Discharge?	Trash Accumulation	Foliage Accumulation	Sediment Accumulation	Signs of Structural Damage?	Functioning Properly or Maintenance Needed?
1	Lat: Long:							
2	Lat: Long:							
3	Lat: Long:							
4	Lat: Long:							
5	Lat: Long:							
6	Lat: Long:							
7	Lat: Long:							
8	Lat: Long:							
10	Lat: Long:							
11	Lat: Long:							
12	Lat: Long:							
Comments:								



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Curb Inlet Filter Operation & Maintenance Manual 10/22

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Contech® CMP Detention & Infiltration Maintenance Guide



CONTECH®
CMP DETENTION SYSTEMS

Maintenance

Underground storm water detention and retention systems should be inspected at regular intervals and maintained when necessary to ensure optimum performance. The rate at which the system collects pollutants will depend more heavily on site activities than the size or configuration of the system.

Inspection

Inspection is the key to effective maintenance and is easily performed. CONTECH recommends ongoing quarterly inspections of the accumulated sediment. Sediment deposition and transport may vary from year to year and quarterly inspections will help insure that systems are cleaned out at the appropriate time. Inspections should be performed more often in the winter months in climates where sanding operations may lead to rapid accumulations, or in equipment washdown areas. It is very useful to keep a record of each inspection. A sample inspection log is included for your use.

Systems should be cleaned when inspection reveals that accumulated sediment or trash is clogging the discharge orifice. CONTECH suggests that all systems be designed with an access/inspection manhole situated at or near the inlet and the outlet orifice. Should it be necessary to get inside the system to perform maintenance activities, all appropriate precautions regarding confined space entry and OSHA regulations should be followed.

Cleaning

Maintaining an underground detention or retention system is easiest when there is no flow entering the system. For this reason, it is a good idea to schedule the cleanout during dry weather.

Accumulated sediment and trash can typically be evacuated through the manhole over the outlet orifice. If maintenance is not performed as recommended, sediment and trash may accumulate in front of the outlet orifice. Manhole covers should be securely seated following cleaning activities.

Inspection & Maintenance Log Sample Template

_____" Diameter System			Location: Anywhere, USA		
Date	**Depth of Sediment**	**Accumulated Trash**	**Maintenance Performed**	**Maintenance Personnel**	**Comments**
12/01/10	2"	None	Removed Sediment	B. Johnson	Installed
03/01/11	1"	Some	Removed Sediment and Trash	B. Johnson	Swept parking lot
06/01/11	0"	None	None		
09/01/11	0"	Heavy	Removed Trash	S. Riley	
12/01/11	1"	None	Removed Sediment	S. Riley	
04/01/12	0"	None	None	S. Riley	
04/15/01	2	Some	Removed Sediment and Trash	ACE Environmental Services	

SAMPLE

CONTECH®
CMP DETENTION SYSTEMS

Support

Drawings and specifications are available at www.ContechES.com.

Site-specific support is available from our engineers.

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CONTECH®
ENGINEERED SOLUTIONS

Modular Wetlands® Linear
Operation & Maintenance Manual



MODULAR WETLANDS®

MODULAR WETLANDS® LINEAR OPERATION & MAINTENANCE MANUAL

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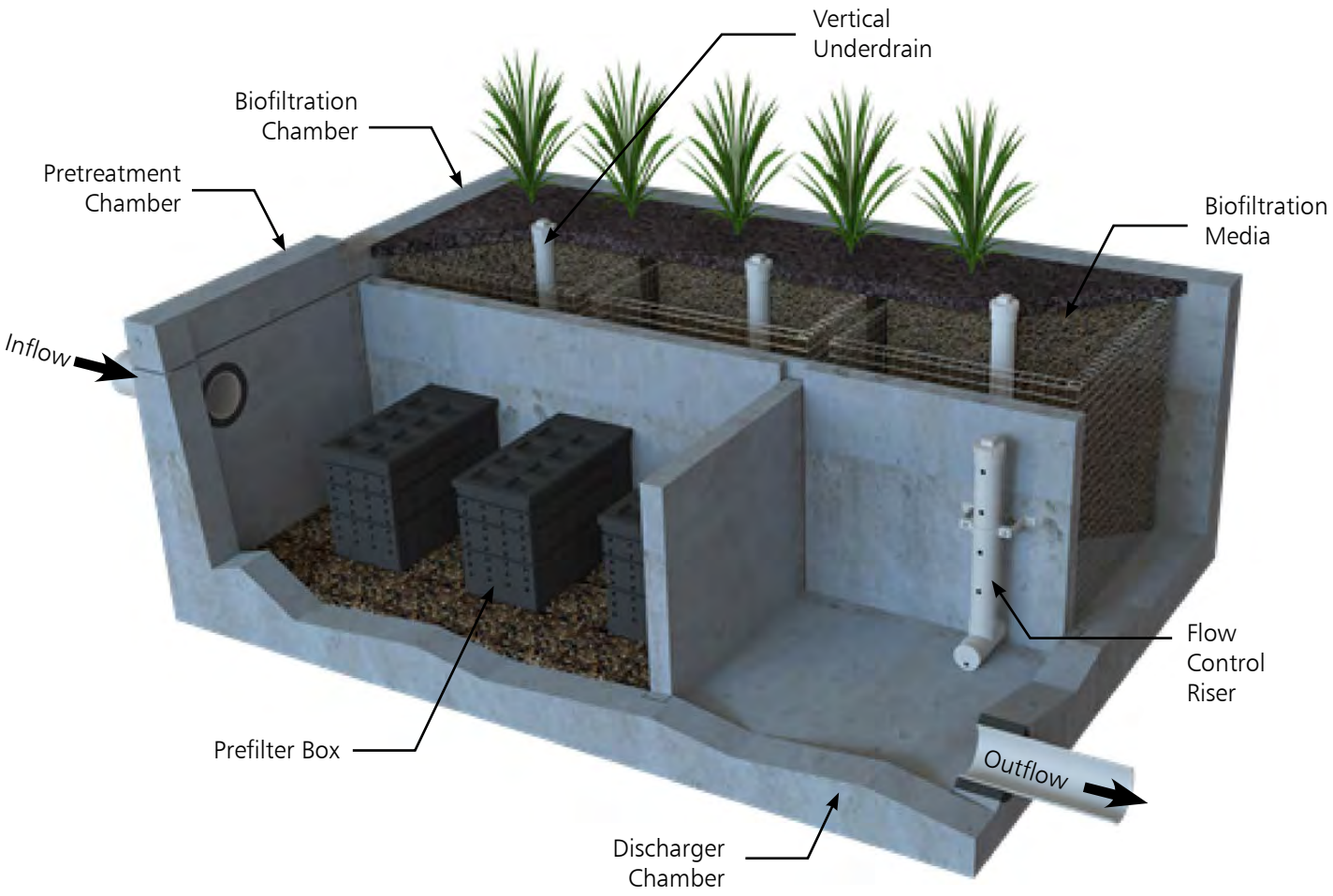
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OVERVIEW

The Modular Wetlands® Linear Biofilter is designed to remove high levels of trash, debris, sediments, nutrients, metals, and hydrocarbons. Its simple design allows for quick and easy installation. The system is housed in a standard precast structure and can be installed at various depths to meet site-specific conditions.

INTRODUCTION

This is the Modular Wetlands Linear Biofilter operation and maintenance manual. Before starting, read the instructions and equipment lists closely. It is important to follow all necessary safety procedures associated with state and local regulations. Some steps required confined space entry. Please contact Contech for more information on pre-authorized third party contractors who can provide installation services in your area. For a list of service providers in your area please visit: www.conteches.com/maintenance.



INSTRUCTIONS

INSPECTION SUMMARY

Stormwater regulations require BMPs be inspected and maintained to ensure they are operating as designed to allow for effective pollutant removal and provide protection to receiving water bodies. It is recommended that inspections be performed multiple times during the first year to assess the site specific loading conditions. The first year of inspections can be used to set inspection and maintenance intervals for subsequent years to ensure appropriate maintenance is provided.

- Inspect pre-treatment, biofiltration, and discharge chambers an average of once every six to twelve months. Varies based on site specific and local conditions.
- Average inspection time is approximately 15 minutes. Always ensure appropriate safety protocol and procedures are followed.

The following is a list of equipment required to allow for simple and effective inspection of the Modular Wetlands Linear:

- Modular Wetlands Linear Inspection Form
- Flashlight
- Manhole hook or appropriate tools to remove access hatches and covers
- Appropriate traffic control signage and procedures
- Measuring pole and/or tape measure
- Protective clothing and eye protection
- 7/16" open or closed ended wrench
- Large permanent black marker (initial inspections only - first year)

Note: entering a confined space requires appropriate safety and certification. It is generally not required for routine inspections of the system

INSPECTION AND MAINTENANCE NOTES

1. Following maintenance and/or inspection, it is recommended that the maintenance operator prepare a maintenance/inspection record. The record should include any maintenance activities performed, amount and description of debris collected, and condition of the system and its various filter mechanisms.
2. The owner should keep maintenance/inspection record(s) for a minimum of five years from the date of maintenance. These records should be made available to the governing municipality for inspection upon request at any time.
3. Transport all debris, trash, organics, and sediments to approved facility for disposal in accordance with local and state requirements.
4. Entry into chambers may require confined space training based on state and local regulations.
5. No fertilizer shall be used in the biofiltration chamber.
6. Irrigation should be provided as recommended by manufacturer and/or landscape architect. Amount of irrigation required is dependent on plant species. Some plants may not require irrigation after initial establishment.

INSPECTION PROCESS

1. Prepare the inspection form by writing in the necessary information including project name, location, date & time, unit number and other information (see inspection form).
2. Observe the inside of the system through the access covers. If minimal light is available and vision into the unit is impaired, utilize a flashlight to see inside the system and all of its chambers.
3. Look for any out of the ordinary obstructions in the inflow pipe, pre-treatment chamber, biofiltration chamber, discharge chamber or outflow pipe. Write down any observations on the inspection form.
4. Through observation and/or digital photographs, estimate the amount of trash, debris accumulated in the pre-treatment chamber. Utilizing a tape measure or measuring stick, estimate the amount of sediment in this chamber. Record this depth on the inspection form.
5. Through visual observation, inspect the condition of the pre-filter cartridges. Look for excessive build-up of sediment on the cartridges, any build-up on the tops of the cartridges, or clogging of the holes. Record this information on the inspection form. The prefilter cartridges can be further inspected by removing the cartridge tops and assessing the color of the BioMediaGREEN filter cubes (requires entry into pre-treatment chamber - see notes previous notes regarding confined space entry). Record the color of the material. New material is a light green color. As the media becomes clogged, it will turn darker in color, eventually becoming dark brown or black. The closer to black the media is the higher percentage that the media is exhausted and is in need of replacement.



6. The biofiltration chamber is generally maintenance-free due to the system's advanced pre-treatment chamber. For units which have open planters with vegetation, it is recommended that the vegetation be inspected. Look for any plants that are dead or showing signs of disease or other negative stressors. Record the general health of the plants on the inspection form and indicate through visual observation or digital photographs if trimming of the vegetation is required.
7. The discharge chamber houses the orifice control structure, drain down filter (only in California - older models), and is connected to the outflow pipe. It is important to check to ensure the orifice is in proper operating conditions and free of any obstructions. It is also important to assess the condition of the drain down filter media which utilizes a block form of the BioMediaGREEN. Assess in the same manner as the cubes in the pre-filter cartridge as mentioned above. Generally, the discharge chamber will be clean and free of debris. Inspect the water marks on the side walls. If possible, inspect the discharge chamber during a rain event to assess the amount of flow leaving the system while it is at 100% capacity (pre-treatment chamber water level at peak HGL - top of bypass weir). The water level of the flowing water should be compared to the watermark level on the side walls, which is an indicator of the highest discharge rate the system achieved when initially installed. Record on the form if there is any difference in level from the watermark in inches.

NOTE: During the first few storms, the water level in the outflow chamber should be observed and a 6" long horizontal watermark line drawn (using a large permanent marker) at the water level in the discharge chamber while the system is operating at 100% capacity. The diagram below illustrates where the line should be drawn. This line is a reference point for future inspections of the system.

Water level in the discharge chamber is a function of flow rate and pipe size. Observation of the water level during the first few months of operation can be used as a benchmark level for future inspections. The initial mark and all future observations shall be made when the system is at 100% capacity (water level at maximum level in the pre-treatment chamber). If future water levels are below this mark when the system is at 100% capacity, this is an indicator that maintenance to the pre-filter cartridges may be needed.

8. Finalize the inspection report for analysis by the maintenance manager to determine if maintenance is required.





MAINTENANCE INDICATORS

Based upon the observations made during inspection, maintenance of the system may be required based on the following indicators:

- Missing or damaged internal components or cartridges
- Obstructions in the system or its inlet and/or outlet pipes
- Excessive accumulation of floatables in the pretreatment chamber in which the length and width of the chamber is fully impacted more than 18". See photo below.
- Excessive accumulation of sediment in the pretreatment chamber of more than 6" in depth.
- Excessive accumulation of sediment on the BioMediaGREEN media housed within the pretreatment cartridges. The following chart shows photos of the condition of the BioMediaGREEN contained within the pre-filter cartridges. When media is more than 85% clogged, replacement is required.
- Excessive accumulation of sediment on the BioMediaGREEN media housed within the pretreatment cartridges. When media is more than 85% clogged, replacement is required. The darker the BioMediaGREEN, the more clogged it is and in need of replacement.





INSPECTION PROCESS

- Excessive accumulation of sediment on the BioMediaGREEN media housed within the drain down filter (California only - older models). The following photos show the condition of the BioMediaGREEN contained within the drain down filter. When media is more than 85% clogged, replacement is required.





- Overgrown vegetation.



- Water level in the discharge chamber during 100% operating capacity (pretreatment chamber water level at max height) is lower than the water mark by 20%.

MAINTENANCE SUMMARY

The time has come to maintain your Modular Wetlands® Linear. All necessary pre-maintenance steps must be carried out before maintenance occurs. Once traffic control has been set up per local and state regulations and access covers have been safely opened, the maintenance process can begin. It should be noted that some maintenance activities require confined space entry. All confined space requirements must be strictly followed before entry into the system. In addition, the following is recommended:

- Prepare the maintenance form by writing in the necessary information including project name, location, date & time, unit number and other info (see maintenance form).
- Set up all appropriate safety and cleaning equipment.
- Ensure traffic control is set up and properly positioned.
- Prepared pre-checks (OSHA, safety, confined space entry) are performed.

The following is a list of equipment to required for maintenance of the Modular Wetlands® Linear:

- Modular Wetlands Linear Maintenance Form
- Manhole hook or appropriate tools to access hatches and covers
- Protective clothing, flashlight, and eye protection
- 7/16" open or closed ended wrench
- Vacuum assisted truck with pressure washer
- Replacement BioMediaGREEN for pre-filter cartridges if required (order from one of Contech's Maintenance Team members at https://www.conteches.com/maintenance).

MAINTENANCE | PRETREATMENT CHAMBER

1. Remove access cover over pre-treatment chamber and position vacuum truck accordingly.
2. With a pressure washer, spray down pollutants accumulated on walls and pre-filter cartridges.
3. Vacuum out pre-treatment chamber and remove all accumulated pollutants including trash, debris, and sediments. Be sure to vacuum the floor until the pervious pavers are visible and clean.
4. If pre-filter cartridges require media replacement, continue to step 5. If not, replace access cover and move to step 11.









MAINTENANCE | PREFILTER CARTRIDGES

5. After successfully cleaning out the pre-treatment chamber (previous page) enter the pre-treatment chamber.
6. Unscrew the two bolts (circles shown below) holding the lid on each cartridge filter and remove lid.





7. Place the vacuum hose over each individual media filter to suck out filter media.



8. Once filter media has been sucked out, use a pressure washer to spray down the inside of the cartridge and it's media cages. Remove cleaned media cages and place to the side. Once removed, the vacuum hose can be inserted into the cartridge to vacuum out any remaining material near the bottom of the cartridge.
9. Reinstall media cages and fill with new media from the manufacturer or outside supplier. Manufacturer will provide specification of media and sources to purchase. Utilize the manufacture-provided refilling tray and place on top of the cartridge. Fill the tray with new bulk media and shake down into place. Using your hands, lightly compact the media into each filter cage. Once the cages are full, remove the refilling tray and replace the cartridge top, ensuring bolts are properly tightened.







10. Exit the pre-treatment chamber. Replace access hatch or manhole cover.

MAINTENANCE | BIOFILTRATION CHAMBER

11. In general, the biofiltration chamber is maintenance-free with the exception of maintaining the vegetation. The Modular Wetlands Linear utilizes vegetation similar to surrounding landscape areas, therefore trim vegetation to match surrounding vegetation. If any plants have died, replace them with new ones.



12. Each vertical under drain on the biofiltration chamber has a removable (threaded cap) that can be taken off to check any blockages or root growth. Once removed, a jetting attachment can be used to clean out the under drain and orifice riser.
13. As with all biofilter systems, at some point the biofiltration media (WetlandMedia) will need to be replaced. Either because of physical clogging of sorptive exhaustion of the media ion exchange capacity (to remove dissolved metals and phosphorous). The general life of this media is 10 to 20 years based on site specific conditions and pollutant loading. Utilize the vacuum truck to vacuum out the media by placing the hose into the chamber. Once all the media is removed use the power washer to spray down all the netting on the outer metal cage. Inspect the netting for any damage or holes. If the netting is damaged it can be repaired or replaced with guidance by the manufacturer.
14. Contact one of Contech's Maintenance Team members at https://www.conteches.com/maintenance to order new WetlandMedia. The quantity of media needed can be determined by providing the model number and unit depth. Media will be provided in super sacks for easy installation. Each sack will weigh between 1000 and 2000 lbs. A lifting apparatus (backhoe, boom truck, or other) is recommended to position the super sack over the biofiltration chamber. Fill the media cages up to the same level as the old media. Replant with vegetation.





MAINTENANCE | DISCHARGE CHAMBER

15. Remove access hatch or manhole cover over discharge chamber.
16. Enter chamber to gain access to the drain down filter. Unlock the locking mechanism and lift up drain down filter housing to remove used BioMediaGREEN filter block as shown below. *NOTE: Drain down filter is only found on units installed in California prior to 2023. If no drain down filter is present, skip steps 16 and 17.*





17. Insert a new BioMediaGREEN filter block and lock drain down filter housing back in place.
18. Replace access hatch or manhole cover over discharge chamber.

NOTES

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Inspection Report
Modular Wetlands Linear

Project Name _____

Project Address _____
(city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ___/___/___ Time _____ AM / PM

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

For Office Use Only
(Reviewed By)
(Date) Office personnel to complete section to the left.

Inspection Checklist

Modular Wetland System Type (Curb, Grate or UG Vault): _____ Size (22', 14' or etc.): _____

Structural Integrity:	**Yes**	**No**	**Comments**
Damage to pre-treatment access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Damage to discharge chamber access cover (manhole cover/grate) or cannot be opened using normal lifting pressure?			
Does the MWS unit show signs of structural deterioration (cracks in the wall, damage to frame)?			
Is the inlet/outlet pipe or drain down pipe damaged or otherwise not functioning properly?			
Working Condition:			
Is there evidence of illicit discharge or excessive oil, grease, or other automobile fluids entering and clogging the unit?			
Is there standing water in inappropriate areas after a dry period?			
Is the filter insert (if applicable) at capacity and/or is there an accumulation of debris/trash on the shelf system?			
Does the depth of sediment/trash/debris suggest a blockage of the inflow pipe, bypass or cartridge filter? If yes, specify which one in the comments section. Note depth of accumulation in in pre-treatment chamber.			Depth:
Does the cartridge filter media need replacement in pre-treatment chamber and/or discharge chamber?			Chamber:
Any signs of improper functioning in the discharge chamber? Note issues in comments section.			
Other Inspection Items:			
Is there an accumulation of sediment/trash/debris in the wetland media (if applicable)?			
Is it evident that the plants are alive and healthy (if applicable)? Please note Plant Information below.			
Is there a septic or foul odor coming from inside the system?			

Waste:	**Yes**	**No**
Sediment / Silt / Clay		
Trash / Bags / Bottles		
Green Waste / Leaves / Foliage		

Recommended Maintenance	
No Cleaning Needed	
Schedule Maintenance as Planned	
Needs Immediate Maintenance	

Plant Information	
Damage to Plants	
Plant Replacement	
Plant Trimming	

Additional Notes: _____

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Cleaning and Maintenance Report
Modular Wetlands Linear

Project Name _____

Project Address _____ (city) (Zip Code)

Owner / Management Company _____

Contact _____ Phone ( ) –

Inspector Name _____ Date ____/____/____ Time _____ AM / PM

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(Reviewed By)
(Date)
Office personnel to complete section to the left.

Type of Inspection ☐ Routine ☐ Follow Up ☐ Complaint ☐ Storm Storm Event in Last 72-hours? ☐ No ☐ Yes

Weather Condition _____ Additional Notes _____

Site Map #	GPS Coordinates of Insert	Manufacturer / Description / Sizing	Trash Accumulation	Foliage Accumulation	Sediment Accumulation	Total Debris Accumulation	Condition of Media 25/50/75/100 (will be changed @ 75%)	Operational Per Manufactures' Specifications (If not, why?)
	Lat: Long:	MWS Catch Basins						
		MWS Sedimentation Basin						
		Media Filter Condition						
		Plant Condition						
		Drain Down Media Condition						
		Discharge Chamber Condition						
		Drain Down Pipe Condition						
		Inlet and Outlet Pipe Condition						

Comments:



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SUPPORT

DRAWINGS AND SPECIFICATIONS ARE AVAILABLE AT WWW.CONTECHES.COM

Modular Wetlands Maintenance Guide 1/2023

Attachment H
Conditions of Approval

Attachment I
Class V Injection Well Registration

Attachment J
Activity Restrictions

Activity Restrictions

It is the responsibility of the owner to prohibit:

- Vehicle washing, maintenance or repair outside of designated areas
- Hosing down paved areas
- Disposal of animal waste not in appropriate locations
- Use of chemicals, pesticides, toxins, etc. on paved or landscape areas
- Dumping of any waste into drainage facilities
- Blowing or sweeping of debris (leaf litter, grass clippings, litter, etc.) into drainage facilities.
- Discharge of fertilizer or pesticides to drainage facilities
- Keeping dumpsters lids open
- Washing kitchen wastes or kitchen equipment to storm water drainage features
- The owner will inform employees, contractors, etc. that spills are to be swept or vacuumed
- Connections of pool/spa drains to streets or storm drains.
- Discharges of paint or masonry wastes to streets or storm drains

Attachment K
Subsurface Investigation Report (excerpt)

Subsurface Investigation Report

12451 Arrow Route
Rancho Cucamonga, California

April 7 2023

Prepared for:

BTC III Arrow Route CC LP

Prepared by:
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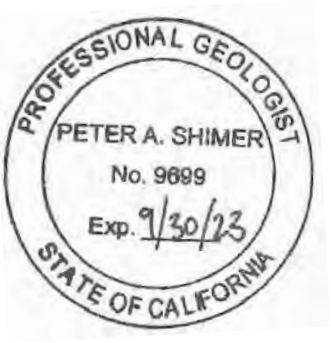
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Subsurface Investigation Report
Former Commercial Metals Company Facility
12451 Arrow Route
Rancho Cucamonga, California

April 7, 2023

Prepared By:



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Executive Summary

Roux Associates, Inc. (Roux), on behalf of BTC III Arrow Route CC LP (BTC, CLIENT), has prepared this *Subsurface Investigation Report* (Report) for the 95-acre Former Commercial Metals Company (CMC) facility located at 12451 Arrow Route, Rancho Cucamonga, California (Site; Figure 1). The Site was formerly owned and occupied by CMC and included an inactive rebar fabrication facility and inactive steel mill. The Site is comprised of four parcels (Parcels 1 through 4; Figure 2), which were historically used as follows:

- Parcel 1 was formerly used as an equipment yard, slag material storage, and steel billets storage and had no permanent structures;
- Parcel 2 was formerly developed with a melt shop, warehouse and maintenance building, an old bag house, and a guard shack;
- Parcel 3 was formerly developed with a new bag house, the main office, a parts warehouse, a roll mill, and a bundling station; and
- Parcel 4 was formerly developed with an office and a fabrication shop that included a vehicle wash area.

The Site was acquired by CLIENT in December 2021 and as of the date of this Report was being cleared of all structures in preparation for industrial redevelopment (Figure 3).

Ramboll US Consulting, Inc. (Ramboll) conducted a Phase I Environmental Site Assessment (ESA) and a Phase II Subsurface Investigation of the Site (Ramboll, 2021b and 2021a) in late 2020 and early 2021 on behalf of the former owner. The stated objectives of Ramboll's Phase II investigation were to evaluate: (1) soil and soil vapor conditions across the Site; (2) the extent of subsurface slag, a byproduct of the steel manufacturing process; and (3) subsurface conditions near current and former features such as underground storage tanks (USTs), cooling towers, and storage areas for slag, steel billet, scrap metal and rebar.

Ramboll's key findings included the following:

- Lead was detected in shallow soil samples above the Department of Toxic Substance Control (DTSC) screening level (SL) for Commercial/Industrial Soil (320 milligrams per kilogram [mg/kg] at the time of the Ramboll investigation[1]) in initial borings and in step-out borings near the former warehouse and maintenance buildings (Parcels 2 and 3);
- Total petroleum hydrocarbon (TPH) concentrations in the diesel range ("diesel range organics" or "DRO") in shallow soil samples exceeded the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs; 560 mg/kg) in borings at the southeast corner of Parcel 3 and the western portion of Parcel 2;

[1] The DTSC SL for lead in soil has been updated from 320 mg/kg to 500 mg/kg per the Human Health Risk Assessment (HHRA) Note Number 3, updated in May 2022 by the DTSC Human and Ecological Risk Office (HERO). ht ps://dtsc.ca.gov/wp-content/uploads/sites/31/2022/02/HHRA-Note-3-June2020-Revised-May2022A.pdf

- Volatile organic compounds (VOCs), primarily tetrachloroethene (PCE), were detected in shallow soil vapor at concentrations exceeding the DTSC SL for a commercial/industrial scenario using an at enuation factor of 0.03 (67 micrograms per cubic meter [$\mu g/m^3$]) in the southeastern portion of the Site at Parcel 3; and

- Slag, an operational byproduct containing metals, was found in shallow soils across the western, and southwestern portions of the Site at Parcels 1, 2, and 4.

As part of due diligence prior to Site acquisition by BTC, Roux conducted a Phase I ESA in September 2021 (Roux, 2021) and identified the following Recognized Environmental Conditions (RECs):

- TPH and metals impacts to shallow soil at Parcels 2 and 3, and PCE impacts to shallow soil vapor at Parcel 3, as identified by Ramboll;
- Rail spurs at Parcels 2 and 3;
- An existing 12,000 gallon dual-compartment diesel and gasoline underground storage tank (UST) at Parcel 3;
- A former chemical storage area northwest of the former melt shop on Parcel 2;
- A wash rack in the northern portion of Parcel 2, which had not been previously assessed;
- An inactive former on-Site UST, which historical records suggested had been removed from the Site;
- An inactive subsurface clarifier and aboveground oil recovery system in Parcel 4; and
- Slag materials in soils along the western portion of the Site.

In order to address the RECs and build on Ramboll's data, Roux conducted a Subsurface Investigation in two mobilizations: the first in November 2021 and the second in March 2022 (Figures 4 through 7). Mobilization 1 was implemented to confirm Site environmental conditions prior to BTC's ownership and Mobilization 2 was implemented after BTC became owner to delineate VOC impacts to shallow soil and soil vapor at Parcel 3.

The results of Mobilization 1 confirmed that:

- Soil samples collected along rail spurs at Parcels 2 and 3 indicated that one boring location had PCB concentrations greater than the SLs and one boring location had a SVOC constituent (benzo(a)pyrene) concentration greater than the SL;

- Target chemical concentrations in soil and soil vapor samples at an existing UST, a former chemical storage area, a wash rack, and former USTs were less than commercial/industrial RSLs or SLs;

- Pesticide and herbicide concentrations across the Site were less than the commercial/industrial RSLs or SLs;

- Shallow soils (less than 5 feet bgs) in limited areas near the southern portion of the Site (Parcels 2 and 3) contained DRO and metals concentrations exceeding the commercial/industrial RSLs or SLs; and

- PCE and benzene concentrations in soil vapor samples in portions of Parcel 3 exceeded the conservative SLs.

The results of Mobilization 2 confirmed that:

- VOCs in soil are not present at concentrations above USEPA RSLs or DTSC SLs; and
- PCE concentrations in soil vapor at Parcel 3 were detected within a limited area and significantly decrease with depth, and are laterally and vertically defined.

Based on the results of the Subsurface Investigation, Roux recommends:

1. Evaluation of soil vapor extraction (SVE) as a remedial alternative for shallow VOC impacts to Parcel 3.[2]
2. Additional, limited sampling along the rail spur to delineate the extent of PCB impacts.[3]
3. Additional evaluation of the physical distribution and chemical composition of slag materials in the western portions of the Site.[4]
4. Additional shallow soil sampling to define the limits of metals and DRO impacts to shallow soils at Parcels 2 and 3, and SVOC impacts at Parcel 3.

[2] On July 15, 2022, Roux conducted an SVE pilot, which was documented in a, Soil Vapor Extraction Pilot Test Technical Memorandum, dated October 4, 2022.

[3] A shallow soil investigation in the area of identified polychlorinated biphenyls (PCBs) was conducted in November 2022, which was documented in a *Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls, Southeastern Corner of Parcel 3*, dated April 7, 2023.

[4] A focused slag investigation was conducted between September and October 2022, which was documented in a *Slag Investigation Technical Memorandum*, dated April 7, 2023.

1. Introduction

Roux Associates, Inc. (Roux), on behalf of BTC III Arrow Route CC LP (BTC, CLIENT), has prepared this *Subsurface Investigation Report* (Report) for the former Commercial Metals Company (CMC) facility located at 12451 Arrow Route, Rancho Cucamonga, California (Site; Figure 1). The Site was formerly owned and occupied by CMC and included an inactive rebar fabrication facility and inactive steel mill (Figure 2). BTC purchased the Site in December 2021. Demolition of Site structures to facilitate industrial redevelopment began in June 2022 and is anticipated to be completed by mid-2023. A conceptual industrial development plan, which is subject to change, is shown on Figure 3.

Ramboll US Consulting, Inc. (Ramboll) conducted a Phase I Environmental Site Assessment (ESA) and Phase II subsurface investigation on behalf of CMC (the former owner) in 2020 and 2021 (Ramboll, 2021a and 2021b). Ramboll's Site-wide Phase II investigation was intended to assess soil and soil vapor conditions as part of CMC's shut down of operations (Ramboll, 2021b). The Phase II investigation evaluated point-source features of concern, including former underground storage tanks (USTs), clarifiers, cooling towers, chemical storage areas, and former remediation areas. Ramboll evaluated the extent and presence of buried slag by implementing unbiased, Site-wide grid sampling in areas that had not previously been sampled.

As part of due diligence prior to Site acquisition by BTC, Roux conducted a Phase I ESA in September 2021 (Roux, 2021), which identified the six (6) Recognized Environmental Conditions (RECs). In order to assess the identified RECs, Roux conducted a Subsurface Investigation in two mobilizations: the first in October and November 2021 and the second in March 2022 (Figures 4 through 7). The Subsurface Investigation was conducted to evaluate Site conditions relative to intended industrial redevelopment.

1.1 Objectives

The objectives of the Subsurface Investigation were to:

- Evaluate total petroleum hydrocarbon (TPH) concentrations in the diesel range ("diesel range organics" or "DRO") and metals impacts to shallow soil at Parcels 2 and 3, and VOC impacts (primarily tetrachloroethene [PCE]) to shallow soil vapor at Parcel 3, as identified by Ramboll;
- Evaluate shallow soils in the area of former rail spurs at Parcels 2 and 3;
- Evaluate soil and soil vapor at a then-existing[5] 12,000 gallon dual-compartment diesel and gasoline underground storage tank (UST) at Parcel 3;
- Evaluate soil and soil vapor at a former chemical storage area northwest of the former melt shop on Parcel 2;
- Evaluate soil and soil vapor at a wash rack in the northern portion of Parcel 2;

[5] The UST was removed by December 12, 2022 in accordance with permits from the San Bernardino County Fire Protection District (SBCFPD) and Rancho Cucamonga Fire Protection District (RCFPD). Soil sampling was conducted per the permits and showed no indication of hydrocarbon-related impacts; case closure will be requested from the SBCFPD and RCFPD.

- Evaluate soil in the vicinity of an inactive subsurface clarifier and aboveground oil recovery system in Parcel 4; and

- Evaluate soil and soil vapor at an inactive former on-Site UST at Parcel 3, which historical records suggested had been removed from the Site.

The subsurface investigation was completed in two mobilizations; Mobilization 1 was conducted from October to November 2021 and Mobilization 2 was conducted in March 2022. The results of the Subsurface Investigation are presented herein.

1.2 Report Organization

The remaining sections of this Report are organized as follows:

- Section 2 presents general background information, including Site description, Site history, Site geology and hydrogeology, and a summary of previous environmental investigations;
- Section 3 describes the Subsurface Investigation activities;
- Section 4 provides a summary of results and discussion;
- Section 5 summarizes the findings of the investigation and provides conclusions;
- Section 6 presents Roux's recommendations for the Site;
- Section 7 provides a list of references used in this Report.

2. General Background

2.1 Site Information and History

The Site consists of approximately 95 acres of land bounded by Arrow Route to the north and the Atchison Topeka and Santa Fe Railroad (Railroad) to the south and is accessible via Arrow Route and Juneberry Drive. The nearest surface water feature to the Site is Day Creek, approximately 0.24-mile to the west.

The Site was formerly occupied by several related entities: CMC, an inactive steel mill; CMC Rebar, a limited rebar manufacturing facility; and Phoenix Industries, a slag processing facility (slag is an inert byproduct of steel production). The Site operated as a steel mill from the 1950s until 2019 when milling operations were phased out. BTC purchased the property in 2021. The Site is currently vacant and is undergoing demolition in preparation for industrial redevelopment. The Site is generally flat with a stormwater retention basin located along the southern boundary of Parcel 3.

The main address for the Site is 12451 Arrow Route, Rancho Cucamonga, San Bernardino County, California. Additional street addresses historically used at the Site include: 12343, 12353, 12455, and 12459-B Arrow Route. The Site consists of four parcels (Parcels 1 through 4), which are described below and shown on Figure 2:

- Parcel 1 is located in the western portion of the Site and was not historically developed with any permanent structures. CMC utilized the northern portion of Parcel 1 as an equipment boneyard and the southern portion for storage of steel billets. At the time of Roux's Phase I ESA, the majority of Parcel 1 was vacant with some equipment storage in the northern portion and processed slag storage in its central portion.

- Parcel 2 is located in the central and southern portions of the Site. The northern area of Parcel 2 was partially occupied by Phoenix Industries for storage of scrap metal for processing and steel slag that was produced on-Site. On-Site operations consisted of mechanical crushing and sorting of steel slag for off-Site use as aggregate material. No chemical processing of steel slag was conducted on-Site, and no permanent structures were located at this area. The southern portion of Parcel 2 was occupied by the CMC steel mill. The steel mill's primary processing building (melt shop) was previously equipped with an electric arc furnace (EAF) for melting of scrap metal.

- Parcel 3 is located in the eastern portion of the Site. The northern area of Parcel 3 was occupied by CMC's main office building, a fueling station, and a vacant area used for rebar storage. The southern portion of Parcel 3 was developed with the former milling and rolling building.

- Parcel 4 is located in the northern portion of the Site and was occupied by CMC Rebar, which operated a small rebar fabrication facility. An office and fabrication building were located at the northwestern portion of the parcel, which included a maintenance area and a vehicle wash area with an oil collection trench and clarifier. The southern and eastern portions of the parcel were used for parking and rebar storage.

The Site was developed for agricultural use (row crops) from at least 1938 until 1954. A small structure was added to the southeastern corner of the Site in 1953, in the approximate present-day location of an existing groundwater well and water tower. By 1959, the eastern portion of Parcel 3 was developed with the milling and rolling improvements, paved parking areas, outdoor storage yard, office building, water tower, and

multiple rail spurs. The remaining parcels continued to be used for agricultural purposes through at least 1973. By 1975, Parcel 2 and the southern portion of Parcel 1 were graded and likely used for storage of raw, finished, or used materials. The northern portion of the Site remained agricultural until the 1980s when Parcel 4 was developed with the fabrication building. By 1985, agricultural operations had ceased, and the Site was primarily developed for industrial use. The current office building and melt shop at Parcel 2 were added by 1990. Major operations from the 1980s through 2019 included receiving of steel scrap, melting of steel scrap, production and fabrication of rebar, and processing of steel slag.

2.2. Site Geology & Hydrogeology

2.2.1 Site Geology

The Site is located roughly 5 miles to the south of the San Gabriel Mountain Ranges. The Site is underlain by the Chino Subbasin. The Chino Subbasin is bound by geological features such as the Rialto Fault to the east, the Jurupa Mountains to the South, the San Jose Fault to the northwest, and the Cucamonga Fault to the north. Regional source rocks consist of consolidated and semi-consolidated Quaternary fluvial and marine deposits. Depositional facies are primarily alluvium, lake, playa, and terrace deposits. Regional soils are mostly gravelly loamy sands (California Department of Conservation, 2010 Geologic Map).

According to Ramboll's 2021 Phase II Subsurface Investigation Report (Ramboll, 2021a), soil on-Site generally consists of sands and gravel in the upper 5 feet below ground surface (bgs), followed by lenses of sand and silts. This was confirmed during Roux's subsurface investigation conducted in 2021 and 2022.

Lithologic conditions observed by Ramboll and Roux at each parcel are as follows:

- Parcel 1–- Sand with gravel and/or slag to 5 feet bgs (slag was observed to 7.7 feet bgs by Ramboll in some locations), sand and sand with silt to 18 feet bgs, sandy silt to 25 feet bgs
- Parcel 2 – Sand with gravel and/or slag to 5 feet bgs (slag was observed to 10 feet bgs by Ramboll in some locations), sand and sand with silt to 12 feet bgs, silty sand and sand layering to 30 feet bgs
- Parcel 3 – Sand or silty sand to 29 feet bgs and dense silty layer from 29 to 34 feet bgs
- Parcel 4 – Sand and silty sand layers to 5 feet bgs, and sand to 25 feet bgs

Soil boring logs from Roux's Subsurface Investigation are provided in Appendix A.

2.2.2 Site Hydrogeology

The Site is situated along the northeastern portion of the Chino Subbasin within the Upper Santa Ana Valley Groundwater Basin. The Chino Subbasin is bounded on the north by the San Gabriel Mountains (California's Groundwater Bulletin 118, 2004). Nearest tributaries to the Site drain from north to south from the San Gabriel mountains. The nearest surface water feature to the Site is Day Creek, a concrete lined stormwater drainage channel, approximately 0.24-miles to the west.

Based on monitoring well information from the Etiwanda Generating Station (P. Hamilton, 2010) groundwater is estimated at a depth of 430 feet bgs. Ramboll's Phase II Report notes that historical well drillers logs from a well installed at the southeastern corner of the Site to 728 feet bgs in 1956, had depth

to water at 378 feet bgs (Ramboll, 2021a). During Site investigations by Ramboll and Roux, groundwater was not encountered to the maximum depth drilled of 35 feet bgs.

2.3 Key Previous Environmental Investigations

Environmental investigations have been conducted at the Site by various consultants starting in 1987. Some investigations and on-Site environmental work have warranted regulatory agency oversight from the Department of Toxic Substance Control (DTSC); the Santa Ana Regional Water Quality Control Board (SA-RWQCB), or the County of San Bernardino Environmental Management Group. Ramboll's Phase I ESA provided summaries of selected previous Site investigations, as follows (corresponding reports provided in Appendix D of Ramboll's Phase I ESA):

- 1988 Clean Closure Verification (Parcel 4), Slag Trench Remediation Area;
- 1990 Remediation of Lead Contaminated Soil at Southwest Corner of the Site (Parcel 1);
- 1993 UST Removals (Parcel 3);
- 1994 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Preliminary Assessment (PA; Parcels 1, 2, and 3);
- 2001 Preliminary Endangerment Assessment (Parcel 4), Slag Trench Remediation Area;
- 2002 Baghouse Dust Commingled with Slag Stockpile Remediation (Parcels 1 and 2);
- 2006 UST Closure (Parcel 3);
- 2007 Remediation of Soils Impacted with Heavy Metals North of Pad 16 (Parcel 2);
- 2011 UST Removal (Parcel 2); and
- 2014 UST Removal (Parcel 4).

Additional details can be found in the referenced documents and will be included in Roux's forthcoming Preliminary Environmental Assessment Equivalent (PEA-E) Report to be finalized by May 2023.

2.3.1 Phase II Subsurface Investigation Report (Ramboll, 2021a)

Ramboll's Phase II investigation was performed between December 2020 and February 2021, as CMC was shutting down steel mill operations, and was intended to establish "current" soil and soil vapor conditions in preparation for Site closure (Ramboll, 2021a). The Phase II investigation evaluated point-source features of concern, including former USTs, clarifiers, cooling towers, chemical storage areas, and former remediation areas, as well as the extent and presence of buried slag in areas that had not previously been assessed through unbiased, Site-wide grid sampling. Ramboll's figures are included in Appendix B.

Ramboll collected soil and soil vapor samples from 104 borings drilled throughout the Site to depths ranging from 5 to 35 feet bgs. Soil samples were collected and analyzed for metals, VOCs, and TPH at most locations, with select samples also analyzed for hexavalent chromium and/or PCBs. Soil vapor samples were collected at 26 locations and analyzed for VOCs. Ramboll reported that TPH in the diesel range ("diesel range organics" or "DRO"), lead, cadmium, and zinc concentrations were greater than their respective screening levels (SLs) in soil; and chloroform and tetrachloroethene (PCE) concentrations exceeded their respective SLs in soil vapor.

More specifically, Ramboll's key findings included the following:

- Lead concentrations in shallow soil samples exceeded the DTSC SL for Commercial/Industrial Soil (320 milligrams per kilogram [mg/kg] at the time of the Ramboll investigation[6]) in initial borings and in step-out borings near the warehouse and maintenance buildings at Parcel 2 and in the southeast corner of Parcel 3 (Figure 6 in Appendix B);

- DRO concentrations in shallow soil samples exceeded the United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL; 560 mg/kg) in initial borings and in step-out borings in the western boundary of Parcel 2 and the southeast corner of Parcel 3 (Figure 6 in Appendix B);

- PCE and benzene were detected in shallow soil vapor at concentrations exceeding the DTSC SL for a commercial/industrial scenario using an at enuation factor of 0.03 (67 and 14 micrograms per cubic meter [$\mu g/m^3$], respectively) at shallow depths in the western portion of the roll mill and in the area of the parts warehouse at Parcel 3 (Figure 6 in Appendix B). Detections of PCE ranged from 10 to 100,000 $\mu g/m^3$ and benzene detections ranged from 29 to 220 $\mu g/m^3$; and

- Slag was observed in several borings at depths ranging from 0 to 10 feet bgs, primarily on the western portions of the Site.

Ramboll concluded that the investigations did not suggest that on-Site operations had adversely affected groundwater, which was known to be occur at a depth over 400 feet bgs.

2.3.2 Phase I Environmental Site Assessment (Roux, 2021)

Prior to acquisition of the Site by BTC and as part of due diligence activities, Roux conducted a Phase I ESA of the Site in September 2021. The following RECs were identified:

- VOC impacts to soil vapor, and DRO and metals impacts to shallow soils, as identified by Ramboll. This included SL exceedances in soil vapor for chloroform (three locations), benzene (two locations), and PCE (six locations) and in soil for DRO, total cadmium, lead, and zinc.

- Rail spurs at Parcels 2 and 3 were installed by at least 1959. Railroad spurs represent environmental concerns due to potential historical application of oils containing PCBs, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical practice of using coal cinders for track fill material.

- A 12,000-gallon dual-compartment diesel and gasoline underground storage tank (UST) and former fueling station was located at Parcel 3, north of the main office building.

- A former chemical storage area was located northwest of the melt shop on Parcel 2. Moderate staining and cracks were observed, and this area was not previously assessed.

- A wash rack located in the northern portion of Parcel 2. This area was not previously assessed.

[6] The DTSC SL for lead in soil has been updated from 320 mg/kg to 500 mg/kg per the Human Health Risk Assessment (HHRA) Note Number 3, updated in May 2022 by the DTSC Human and Ecological Risk Office (HERO). ht ps://dtsc.ca.gov/wp-content/uploads/sites/31/2022/02/HHRA-Note-3-June2020-Revised-May2022A.pdf

- An inactive subsurface clarifier and aboveground oil recovery system in Parcel 4, which had not been previously assessed.

- Potential inactive on-Site USTs were identified in previous reports and regulatory agency records.

A number of historical RECs (hRECs) also were identified including areas of the Site formerly remediated for slag and lead impacts. Based on a review of historical environmental documents for the Site, Ramboll's investigation data, and RECs identified in the Phase I ESA, Roux recommended and conducted a Subsurface Investigation, as detailed in the following sections.

3. Subsurface Investigation Activities

The Subsurface Investigation was conducted in two mobilizations; the first from October to November 2021 and the second in March 2022. Mobilization 1 was performed prior to BTC's purchase of the Site and the scope of work was focused on confirming Site environmental conditions prior to BTC's ownership of the Site. Mobilization 2 was performed after BTC became owner and the scope of work targeted delineation of PCE impacts to shallow soil and soil vapor at Parcel 3. All activities performed and detailed in this Report were conducted under the supervision of a registered California Professional Geologist or a registered California Professional Engineer.

3.1 Pre-Field Activities

Prior to the start of field activities, Roux prepared a Site-specific HASP to ensure worker safety. In addition to containing information regarding Roux's standard safety practices, the HASP describes potential hazards relating to Site activities and provides the locations and contact information of nearby emergency services. The HASP was kept on-Site when fieldwork occurred and was reviewed and signed by Site workers during the daily tailgate health and safety meeting prior to work each day.

Before each mobilization began, Roux performed a Site visit to mark areas intended for intrusive work. Work areas were marked in white paint along the Site boundaries, and Underground Service Alert of Southern California was notified at least 2 business days prior to the start of intrusive field activities. A private geophysical services and utility locating firm, Atlas Geophysics (Atlas) of San Diego, California, performed a geophysical survey to assess the proposed boring locations prior to each round of drilling. Atlas utilized a variety of tools, including mini ground penetrating radar, to assess locations of buried utilities (i.e., natural gas, electric, water, sewer, telephone, fiber optic, etc.) or obstructions in the area of each boring. Atlas did not identify any subsurface utilities or structures during the geophysical survey that would interfere with the proposed sampling locations and no proposed boring locations were modified.

3.2 Subsurface Investigation Procedures

Investigation procedures, including drilling, soil sampling, soil vapor probe installation, and soil vapor sampling, were generally consistent between Mobilizations 1 and 2. Those procedures are described in this section, and the specific scopes of work for each mobilization are described in Section 3.3.

3.2.1 Drilling and Soil Sampling Procedures

In Mobilizations 1 and 2, soil borings were drilled at the Site by C-57 licensed drillers under the direction of Roux. Borings were drilled using a truck mounted Geoprobe direct-push drill rig. All soil borings were hand augured to 5 feet bgs to minimize the risk of damage to unmarked or unidentified subsurface utilities.

Each soil boring was logged using United Soil Classification System (USCS). Soils were field screened using a photoionization detector (PID) at regular intervals. PID readings and general observations regarding material color and odor encountered at each boring were noted on boring logs. Boring logs can be found in Appendix A.

In the top 5 feet, soil samples were collected directly from the hand auger bucket. Soil samples from deeper than 5 feet bgs were collected directly from acetate liners. All soil samples were collected in laboratory supplied containers and samples selected for VOC analysis were collected using USEPA Method 5035

TerraCore sampling kits. All soil samples were transported under proper chain-of-custody procedures to Enthalpy Analytical, LLC (Enthalpy) of Orange, California, a California state-certified analytical laboratory. Laboratory analytical methods that were used are described below:

- Title 22 metals by USEPA method 6010B;
- Lead by USEPA method 6010B;
- VOCs by USEPA method 8260B with 5035 extraction;
- TPH (Gasoline Range Organics [GRO; C6 to C10], DRO [C10 to C28], and Oil Range Organics [ORO; C28 to C44]) by USEPA method 8015B;
- PCBs by USEPA method 8082;
- OCPs by USEPA method 8081;
- SVOCs by USEPA method 8270C; and
- Chlorinated herbicides by USEPA method 8151.

Drilling equipment was decontaminated in a solution of laboratory-grade detergent and rinsed with distilled water prior to reuse.

3.2.2 Soil Vapor Probe Installation and Sampling Procedures

All soil vapor probes were constructed with new stainless-steel filter probe tip with a 1/4-inch push-to-connect fitting at ached to 1/4-inch-diameter Teflon tubing. The probes were constructed by first placing approximately 6 inches of #3 coarse-grained sand into the bot om of the borehole. The sampling tubing with the stainless-steel filter probe tip was then placed within the borehole with a length of PV. Additional sand was then placed in the borehole to create an approximately 1-foot sand pack interval around the vapor tip. Approximately 1 foot of dry granular bentonite was placed on top of the sand pack, followed by hydrated bentonite to the surface. The tubing was labeled with depth of placement and capped using a gas-tight valve set to the "off" position. Each probe was completed with a 6-inch-diameter traffic rated well box. The soil vapor probes were installed in general accordance with the DTSC and Los Angeles Regional Water Quality Control Board and San Francisco Regional Water Quality Control Board Advisory – Active Soil Gas Investigations (Soil Gas Advisory; DTSC, 2015).

Prior to purging or sampling, a minimum 60-second shut-in test at a vacuum of 100 inches of water column was performed at each probe to confirm that the above-ground lines and three-way valves were properly sealed. As a secondary test, a leak check compound (LCC), 1,1-difluoroethane (1,1-DFA), was utilized to check for leaks during sampling and was included among the laboratory analyte list for soil vapor. Upon successful completion of the shut-in test, three purge volumes were subsequently extracted from the sampling system.

Soil vapor samples were collected in 1-liter laboratory supplied batch-certified SUMMA® canisters at a flow with 200 milliliters per minute (mL/min) flow controllers. Upon collection, each sample was immediately labeled with a unique sample identifier. Soil vapor samples were then transported under proper chain-of-custody procedures to Enthalpy. Soil Vapor samples were analyzed for VOCs by USEPA Method TO-15.

Drilling equipment was either dedicated to the sampling location (i.e., it was not reused), or was cleaned in a solution of laboratory-grade detergent and rinsed with distilled water prior to reuse. Soil vapor sampling equipment was not re-used between sampling locations or depth intervals.

Soil vapor probe construction is shown on boring logs (Appendix A).

3.3 Subsurface Investigation – Mobilization 1 (November 2021)

Mobilization 1 was implemented from October 27 through November 8, 2021. The work was intended to address RECs identified in Roux's Phase I ESA and build upon the results of Ramboll's Phase II investigation. In order to accomplish the objectives of the investigation, Confluence Environmental (C-57 License #913194), of Rio Linda, California, was contracted to drill 95 soil borings at the Site under the direction of Roux. Borings were drilled to depths up to 15 feet bgs. Activities included:

- Investigation of the extent of shallow soil lead and DRO exceedances in the vicinity of Ramboll borings RSB-02, RSB-03, RSB-05, and RSB-57 (Figure 6 and 7).
    - 7 samples were collected from three step-out borings at depths of 1, 3, and 5 feet bgs in the vicinity of Ramboll boring RSB-02-W and analyzed for lead;
    - 7 samples were collected from five step-out borings at depths of 1 and 3 feet bgs in the vicinity of Ramboll boring RSB-57 and analyzed for lead;
    - 10 samples were collected from five step-out borings at depths of 1 and 3 feet bgs in the vicinity of Ramboll borings RSB-03-E and RSB-03-S and analyzed for TPH; and
    - 10 samples were collected from seven step-out borings at depths of 1, 3, and 5 feet bgs in the vicinity of Ramboll boring RSB-05 and analyzed for TPH.
- Investigation of shallow soils in the former rail spurs located on Site (borings RR-1 through RR-19, Figures 6 and 7). 38 soil samples were collected from 20 borings at depths of 0.5 and 1.5 feet bgs and analyzed for metals, TPH, VOCs, PCBs, OCPs, SVOCs, and chlorinated herbicides.
- Investigation of the extent of impacted soil vapor in the areas where Ramboll reported elevated concentrations of benzene and PCE (in the vicinity of Ramboll borings RSB-28, RSB-29, RSB-30, RSB-38, RSB-53, RSB-54, RSB-60, and RSB-61, Figures 5 and 7). Soil vapor probes were installed at depths of 5, 10, and 15 feet bgs at 40 locations and samples were analyzed for VOCs. See Table 1 and Appendix A for soil vapor probe construction details.
- Collection of shallow soil samples on the east side of the existing underground storage tank and dispenser at Parcel 3 (boring SB-4, Figure 7). Two samples were collected at 1 and 3 feet and analyzed for TPH.
- Collection of shallow soil samples in the vicinity of the four former diesel USTs at Parcel 3 which were removed in 1993 (borings SB-2 and SB-3, Figures 6 and 7). Four soil samples were collected at depths of 1 and 3 feet bgs in 2 borings and analyzed for metals, VOCs, and TPH.
- Collection of shallow soil samples in the drum storage area adjacent to the former 300-gallon diesel fuel UST on Parcel 2 (boring SB-1, Figure 6). Two soil samples were collected at depths of 1 and 3 feet bgs in 1 boring and analyzed for metals, VOCs, and TPH.

- Collection of shallow soil samples in the vicinity of the vehicle wash rack located in the northern portion of Parcel 2 (borings RSB-70-W and RSB-70-E, Figure 5). 6 soil samples were collected at depths of 1, 3, and 5 feet bgs in 2 borings and analyzed for metals, VOCs, and TPH.

- Collection of shallow soil samples in the vicinity of the former subsurface clarifier and aboveground oil recovery system in Parcel 4 (boring RSB-58-S and RSB-58-W, Figure 5). 6 soil samples were collected at depths of 1, 3, and 5 feet bgs in 2 borings and analyzed for metals, VOCs, and TPH.

All Ramboll and Roux sample locations are shown on Figures 4 through 7, and soil and soil vapor sampling are summarized in the following sections. Refer to Table 1 for sampling rationale and soil vapor probe construction details for the Subsurface Investigation.

3.4 Subsurface Investigation – Mobilization 2 (March 2022)

Mobilization 2 was implemented in March 2022 after BTC became owner to further delineate the extent of VOC impacted soil and soil vapor at Parcel 3 (Figure 7). From March 2 through March 4, 2022, Cascade Drilling and Technical Services (Cascade; C-57 License #1058336), of Santa Ana, California, drilled 34 soil borings at the Site under the direction of Roux.

- Borings were drilled to depths between 15 and 35 feet bgs.

- Soil samples were collected at depths of 5, 15, and 35 feet bgs.

- Soil vapor probes were installed at the same locations and depths as soil samples.

- A total of 63 soil samples were collected and analyzed for VOCs by USEPA method 8260B.

- A total of 63 soil vapor samples were collected and analyzed for VOCs by USEPA Method TO-15.

All sample depths and laboratory analyses are summarized in Table 1. Soil vapor samples were collected on March 7 and 8, 2022, following a 48-hour equilibration period.

3.5 Soil Observations

Soil lithology observed during the Subsurface Investigation was generally consistent with previous investigations. PID screening measurements of soil samples collected ranged from 0.0 to 10.9 parts per million by volume (ppmv) above ambient background. No odor or staining was observed in soil samples. Groundwater was not encountered in this investigation to the maximum depth explored of 35 feet bgs. Slag was observed in some borings placed at the western portion of the Site during drilling. Soil boring logs are provided in Appendix A.

3.6 Investigation Derived Waste

Investigation derived waste (IDW) from Site activities included soils cuttings, concrete/asphalt, coring water, and decontamination water. IDW was stored in 55-gallon drums. Ten drums containing soil and seven drums containing rinsate water were generated and staged within the mobile maintenance warehouse at the southern portion of Parcel 3. Drums were labeled and clearly marked with “pending analysis” labels. Roux collected samples to profile the soil drums and decontamination rinseate. The drums were transported as

non-hazardous waste to Soil Safe in Adelanto, California (soil) and Crosby & Overton in Long Beach, California (water) on October 20, 2022, under proper manifest (Appendix C).

4. Subsurface Investigation Results

This section presents a summary of the findings of Roux's Subsurface Investigation. Results for detected analytes in soil and soil vapor are provided in Tables 2 through 9. Data for select Ramboll boring locations within areas investigated by Roux are also included. Analytical laboratory reports are provided in Appendix D.

4.1 Screening Levels

Soil analytical results were compared to the following soil screening levels:

- USEPA RSLs, dated May 2022 (USEPA, 2022);
- DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3 Screening Levels (DTSC SLs), dated May 2022 (DTSC, 2022);[7]
- DTSC HERO HHRA Note Number 11 Southern California Ambient Arsenic Screening Level (DTSC, 2020);
- Kearney Foundation Special Report, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, Background Concentrations of Trace and Major Elements in California Soil (Kearney, 1996)

Soil vapor analytical results were compared to soil vapor screening levels (SVSLs) which were calculated by applying an at enuation factor (AF) of 0.03 to the USEPA Industrial Indoor Air RSLs and DTSC Industrial Indoor Air SLs, in accordance with the February 2023 DTSC Supplemental Guidance: Screening and Evaluating Vapor Intrusion (Final Draft Supplemental Guidance; DTSC, 2023).

4.2 Analytical Results

4.2.1 Lead and TPH Delineation in Soil (Parcels 2 and 3)

In 2020 and 2021, Ramboll collected soil samples in a sitewide grid to evaluate the extent of slag material at the Site (RSB-01 through RSB-24; Figure 4). Lead or TPH impacts were identified in a subset of those samples (RSB-02, RSB-03, and RSB-05). Lead impacts were also identified in Ramboll boring RSB-57, which was installed east of the former mobile maintenance building on Parcel 3. Step-out samples were subsequently collected and analyzed but delineation was not completed. Based on those results, Roux collected additional step-out samples to delineate lead impacts around borings RSB-02-W and RSB-57, and TPH impacts around borings RSB-03 and RSB-05.

- **Borings RSB-02-R1 through R3:** Ramboll boring RSB-02-W had reported lead concentrations of 92.4 mg/kg, 2,040 mg/kg, and 5.0 mg/kg at depths of 1, 3, and 5 feet bgs, respectively. In order to delineate lead impacts, Roux collected seven soil samples from 3 borings placed around RSB-02-W. Roux collected soil samples at depths of 1 and 3 feet bgs in all borings with an additional sample

[7] Although the DTSC SLs for TPH in the aromatic medium carbon range (C9-C16) and aromatic high carbon range (C17-C32) both overlap the DRO analysis carbon range (C10-C28), the aromatic medium SL was lower (500 mg/kg). Thus, it is more conservative and protective of future site users to screen DRO results against the TPH aromatic medium carbon range SL. The TPH aromatic high carbon range SL was used to screen the ORO results.

collected at 5 feet bgs in boring RSB-02-R2 (Figure 8 and Table 2). All samples were analyzed for total lead and reported concentrations ranged between 5.9 mg/kg and 1,700 mg/kg. The sample collected at a depth of 3 feet bgs in the boring placed to the west of Ramboll boring RSB-02-W (RSB-02-R2-3) had a total lead concentration of 1,700 mg/kg, which exceeded the DTSC Commercial/Industrial Soil SL of 500 mg/kg. Based on data collected to date in this area, lead impacts at RSB-02-W occur primarily at 3 feet bgs, and were delineated to the north, south, and east, but not to the west.

- **Borings RSB-57-R1 through R5:** Ramboll borings RSB-57, RSB-57-W, and RSB-57-S had reported lead concentrations of 918 mg/kg, 692 mg/kg, and 775 mg/kg, respectively at a depth of 1 foot bgs. In all three borings lead concentrations in samples collected from 3 and 5 feet bgs were below the DTSC Commercial/Industrial Soil SL of 500 mg/kg. In order to delineate lead impacts, Roux collected seven soil samples from 5 borings at a depth of 1 foot bgs; additionally, 3 foot samples were collected from two borings (RSB-57-R4 and RSB-57-R5). All samples were analyzed for total lead and reported concentrations ranged between 7.4 mg/kg (RSB-57-R1-1) and 2,300 mg/kg (RSB-57-R4-3); see Figure 9 and Table 2. Lead concentrations in two samples collected from boring RSB-57-R4 at 1 foot bgs (780 mg/kg) and 3 feet bgs (2,300 mg/kg) exceeded the DTSC Commercial/Industrial Soil SL of 500 mg/kg (RSB-57-R4-1 and RSB-57-R4-3). Based on data collected to date in this area, lead impacts at RSB-57 primarily occur at 1 foot bgs and need to be further delineated at boring RSB-57-R4.

- **Borings RSB-03-R1 through R5:** Ramboll borings RSB-03, RSB-03-S, and RSB-03-E had reported TPH concentrations in the in diesel range (also referred to as "DRO") of 9,230 mg/kg, 811 mg/kg, and 4,500 mg/kg, respectively, at a depth of 1 foot bgs. In all three borings, DRO concentrations in samples collected from 3 feet bgs were below 10 mg/kg, which is also below the DTSC Commercial/Industrial Soil SL of 500 mg/kg. In order to delineate DRO impacts, Roux collected 10 soil samples from 5 borings at depths of 1 and 3 feet bgs and analyzed all the 1-foot samples for the full TPH carbon chain range and the 3 foot samples for DRO only (Figure 10 and Table 4). Nine of 10 soil samples had reported DRO concentrations above the DTSC Commercial/Industrial Soil SL of 500 mg/kg, with a maximum concentration of 5,700 mg/kg reported for the 1-foot bgs sample collected from boring RSB-03-R1 . All reported TPH concentrations in the gasoline range were less than the reporting limit and all TPH concentrations in the oil range were below the DTSC Commercial/Industrial Soil SL of 18,000 mg/kg. Based on data collected to date in this area, DRO impacts need to be further delineated to the south and west of boring RSB-03.

- **Borings RSB-05-R1 through R7:** Ramboll borings RSB-05, RSB-05-SSW, RSB-05-S2, RSB-05-SSE, and RSB-05-S had reported DRO concentrations that exceeded the DTSC Commercial/Industrial Soil SL of 500 mg/kg at 0.5 and/or 1 foot bgs. Additionally, the DRO concentration from a sample collected at 3 feet bgs in boring RSB-05-S also exceeded 500 mg/kg. In order to delineate DRO impacts, Roux collected 10 soil samples from 7 borings. Samples were collected from 1 foot bgs in all 7 boring locations; a sample from 3 feet bgs was collected at boring locations RSB-05-R1 through R3. Roux analyzed all of the 1-foot bgs samples for the full TPH carbon chain range and the 3 feet bgs samples for DRO only (Figure 11 and Table 4). Four of 10 soil samples had reported DRO concentrations above the DTSC Commercial/Industrial Soil SL of 500 mg/kg, with a maximum concentration of 3,100 mg/kg reported for the 1-foot bgs sample collected from boring RSB-05-R6-1. TPH concentrations in the gasoline range were less than the reporting limit and all TPH concentrations in the oil range were below the DTSC Commercial/Industrial Soil SL of 18,000 mg/kg. Based on data

collected to date in this area, DRO impacts need to be further delineated to the east and west of boring RSB-05.

Based on the results presented above, lead and TPH impacts identified by Ramboll appear to be limited in aerial extent and depth. Further delineation during a future Data Gap Investigation and/or hot spot removal with confirmation soil sampling during redevelopment activities may be appropriate.

4.2.2 Rail Spur (Parcels 2 and 3)

Roux's Phase I ESA identified the lack of sampling along the railroad rail spurs as a REC. Specifically, the Phase I ESA noted that rail spurs have been in place on-Site at Parcels 2 and 3 since at least 1959. Due to the historical application of oils containing PCBs, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material, the on-Site rail spurs were considered a REC in the context of the Phase I ESA. To address this REC, shallow soil samples were collected from 19 borings (RR-1 through RR-19) placed along the rail spurs that encircle the southern half of Parcels 2 and all of 3 (Figure 12). Samples were collected from each boring at depths of 0.5 and 1.5 feet bgs and were analyzed for metals, VOCs, TPH, PCBs, OCPs, SVOCs, and chlorinated herbicides. Analytical results are summarized below.

- **Metals:** Arsenic concentrations exceeded the DTSC Commercial/Industrial Soil SL of 0.36 mg/kg in all samples but one (RR-16-.5), but all were less than the California Upper Confidence Limit background concentration of 12 mg/kg, with the exception of three samples (RR-12-.5, RR-12-1.5, and RR-14-.5), which were between 13 and 15 mg/kg. No other metals exceeded their respective DTSC SLs and/or USEPA RSLs (Table 2). Total chromium concentrations varied with a maximum concentration of 1,100 mg/kg in soil sample RR-3-0.5; total chromium does not have a corresponding DTSC Commercial/Industrial SL or USEPA RSL.

- **VOCs:** Four VOC constituents were detected in 18 of 28 rail spur soil samples. All VOC concentrations were less than their respective DTSC Commercial/Industrial SLs and/or USEPA RSLs (Table 3).

- **TPH:** DRO and ORO were detected in 30 of 38 rail spur soil samples. Concentrations of DRO ranged from 15 to 2,700 mg/kg and 12 samples exceeded the DTSC Commercial/Industrial SL of 500 mg/kg. ORO detections ranged from 22 to 3,200 mg/kg, but were less than the Commercial/Industrial DTSC SL of 18,000 mg/kg (Table 4).

- **Polychlorinated Biphenyls (PCBs):** 24 rail spur soil samples were analyzed for PCBs, and Aroclor-1242 and Aroclor-1260 were the only two PCBs detected. Specifically, samples RR-3-0.5 and RR-3-1.5 had reported Aroclor-1242 concentrations of 130 and 170 mg/kg, respectively, which exceeded the USEPA RSL and DTSC Commercial/Industrial SL of 0.95 and 0.58 mg/kg, respectively. Aroclor-1260 was reported in soil samples RR-7-1.5, RR-9-0.5, and RR-9-1.5 at concentrations of 0.13, 0.22, and 0.32 mg/kg, below the USEPA Commercial/Industrial RSL of 0.99 mg/kg and the DTSC SL of 0.60 mg/kg (Table 5).

- **Organochlorine Pesticides (OCPs):** One OCP, endrin ketone, was detected in one of 24 rail spur soil samples at 11 micrograms per kilogram (µg/kg) (RR-7-0.5; Table 6). There are no established screening levels for this compound.

- **Semi-Volatile Organic Compounds (SVOCs):** SVOCs were detected above laboratory reporting limits in 10 of 24 rail spur soil samples at 0.5 and 1.5 feet bgs. Only one detection, benzo(a)pyrene in RR-12-1.5 (1,800 µg/kg), exceeded the DTSC Commercial/Industrial SL of 1,300 µg/kg (Table 7).

- **Chlorinated Herbicides:** Three of 24 rail spur soil samples contained detections of pentachlorophenol (PCP) above laboratory reporting limits. PCP ranged from 10.2 µg/kg wet (RR-12-1.5) to 52.6 µg/kg wet (RR-4-0.5), less than their respective USEPA Commercial/Industrial RSLs and DTSC SLs. No other chlorinated herbicides were detected (Table 8).

Based on the results presented above, PCBs in the area of boring RR-3 were further investigated in November 2022 and will be documented in a *Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls, Southeastern Corner of Parcel 3,* dated April 7, 2023. Further delineation of limited shallow areas with metals, DRO, and/or SVOC screening level exceedances will be presented in a future Data Gap Investigation. Depending on the results of these investigations, hot spot removal with confirmation soil sampling during redevelopment activities may be appropriate.

4.2.3 Former Vehicle Wash Area (Parcel 2)

Two shallow soil borings (RSB-70-E and RSB-70-W, Figure 5) were drilled east and west of a former vehicle wash area at Parcel 2 to screen for metals, VOCs, and TPH associated with former operations in this area. Six soil samples were collected from borings RSB-70-E and RSB-70-W at depths of 1, 3, and 5 feet bgs. 17 metals were detected above laboratory reporting limits; all concentrations were less than their respective screening criteria or background concentrations (Table 2). VOCs were not detected above laboratory reporting limits in any samples (Table 3). DRO and ORO were detected in 3 of the samples at concentrations less than DTSC Commercial/Industrial SLs (Table 4). No impacts were identified associated with former operations in the vicinity of the former vehicle wash area.

4.2.4 Former Drum Storage Area (Parcel 2)

One shallow boring (SB-1, Figure 6) was drilled in a former drum storage area in Parcel 2 to a depth of 3 feet bgs. Samples were collected at depths of 1 and 3 feet bgs, and analyzed for metals, VOCs, and TPH. Eleven metals were detected at concentrations less than their respective screening criteria or background concentrations (Table 2). ORO was detected at 820 mg/kg at 1-foot bgs, which is less than the DTSC Commercial/Industrial SL. The only VOC constituent detected was tert-butyl alcohol (TBA), for which there is no established screening level. No impacts associated with former operations in the vicinity of the former drum storage area were identified.

4.2.5 Open Top Clarifier (Parcel 3)

Soil and soil vapor samples were collected to delineate PCE and benzene impacts around Ramboll borings RSB-28 and RSB-29 at the north and south end of a former open top clarifier, at the southwestern portion of Parcel 3 (Figure 13). RSB-28 and -29 were initially installed and sampled by Ramboll to assess potential leaks/spills in the vicinity of the open top clarifier. Soil samples were collected at various depths up to 30 feet bgs, and analyzed for metals, VOCs, and TPH. Soil vapor samples were collected from 5 and 30 feet bgs for VOC analysis. No impacts to soil were identified by Ramboll; however, benzene was detected in shallow (5 foot bgs) soil vapor samples at concentrations that exceeded the DTSC Commercial/Industrial SL of 14 ug/m^3. No VOCs exceeded their respective SLs in the soil vapor samples collected at 30 feet bgs.

Soil

Nineteen soil samples were collected from 11 borings at depths of 5 and 15 feet bgs and analyzed for VOCs. No VOCs were detected above laboratory reporting limits (Table 3).

Soil Vapor

Thirty-one soil vapor samples were collected and analyzed for VOCs (including 4 duplicates) from 19 step-out boring locations around RSB-28 and RSB-29 at depths of 5 and 15 feet bgs. 20 VOCs were detected, however only benzene and PCE were detected above the USEPA and/or DTSC SVSLs (Table 9).

- **Benzene:** Benzene was detected in 23 soil vapor samples at concentrations ranging from 1.0 $\mu g/m^3$ (RSB-28-R7-15) to 190 $\mu g/m^3$ (RSB-28-R2-5). Of the 23 benzene detections, 11 exceeded the DTSC SVSL of 14 $\mu g/m^3$.

- **PCE**: PCE was detected in 29 soil vapor samples at concentrations ranging from 2.5 $\mu g/m^3$ (RSB-29-R6-5) to 250 $\mu g/m^3$ (RSB-28-R2-5). Of the 29 PCE detections, 12 exceeded the DTSC Commercial/Industrial SVSL of 67 $\mu g/m^3$.

Based on the results presented above, PCE and benzene impacts were delineated vertically and laterally in the area of Ramboll borings RSB-28 and RSB-29; refer to Figures 13, 16, and 17.

4.2.6 Mobile Maintenance Building (Parcel 3)

Soil and soil vapor samples were collected to delineate PCE impacts around Ramboll borings RSB-30 and RSB-60 inside the footprint of the former mobile maintenance building, at the southern portion of Parcel 3 (Figure 14). RSB-30 and -60 were initially installed and sampled by Ramboll to assess potential soil and soil vapor impacts in the vicinity of the mobile maintenance building. Soil samples were collected at various depths up to 15 feet bgs, and analyzed for VOCs. Soil vapor samples were collected from 5 and 15 feet bgs at boring RSB-30 and from 5 feet bgs at boring RSB-60; all soil vapor samples were analyzed for VOCs. No impacts to soil were identified by Ramboll; however, PCE concentrations in soil vapor exceeded the DTSC Commercial/Industrial SVSL of 67 $\mu g/m^3$ for all samples.

Soil

Eleven soil samples were collected at depths ranging from 5 to 35 feet bgs and analyzed for VOCs. TBA was the only VOC detected at 3 locations ranging in concentration from 8.1 $\mu g/kg$ (RSB-60-R8-15) to 19 $\mu g/kg$ (RSB-60-R5-5; Table 3). No screening levels are established for TBA.

Soil Vapor

Twenty-seven soil vapor samples were collected and analyzed for VOCs (including 2 duplicates) from 13 step-out locations at depths ranging from 5 to 35 feet bgs. 26 VOCs were detected in one or more samples, however only benzene, chloroform, PCE, and TCE were detected at concentrations exceeding the USEPA and/or DTSC Commercial/Industrial SVSLs (Table 9).

- **Benzene:** Benzene was detected in 20 soil vapor samples at concentrations ranging from 1.1 $\mu g/m^3$ (RSB-60-R4-5) to 29 $\mu g/m^3$ (RSB-60-R3-5). Of the 20 benzene detections, only one exceeded the DTSC SVSL of 14 $\mu g/m^3$.

- **Chloroform:** Chloroform was detected in 12 soil vapor samples at concentrations ranging from 2.6 μg/m^3 (RSB-60-R8-15) to 86 μg/m^3 (RSB-30-R6-35). Of the 12 chloroform detections, only three exceeded the USEPA SVSL of 18 μg/m^3.

- **PCE**: PCE was detected in all 27 soil vapor samples at concentrations ranging from 13 μg/m^3 (RSB-60-R6-15) to 680 μg/m^3 (RSB-30-R3-5). Of the 27 PCE detections, 22 exceeded the DTSC SVSL of 67 μg/m^3.

- **TCE**: TCE was detected in 25 soil vapor samples at concentrations ranging from 3.8 μg/m^3 (RSB-60-R1-5) to 550 μg/m^3 (RSB-30-R6-35). Of the 25 TCE detections, only four exceeded the USEPA SVSL of 100 μg/m^3.

Based on the results presented above, VOC impacts were delineated vertically and laterally in the area of Ramboll borings RSB-30 and RSB-60; refer to Figures 14, 16, 17, and 18.

4.2.7 ASTs South of Mobile Maintenance Building (Parcel 3)

Soil and soil vapor samples were collected from seven step-out borings to delineate PCE impacts identified in Ramboll boring RSB-38, drilled near the former ASTs south of the mobile maintenance building (Figure 14). Ramboll collected soil samples from boring RSB-38 at 1, 3, and 5 feet bgs and one soil vapor sample from 5 feet bgs; all soil and soil vapor samples were analyzed for VOCs. No impacts to soil were identified by Ramboll; however, the reported PCE concentrations in the 5-foot soil vapor sample exceeded the DTSC Commercial/Industrial SVSL of 67 μg/m^3.

Soil

Seven soil samples were collected at depths ranging from 5 to 15 feet bgs and analyzed for VOCs (Figure 14 and Table 3). The only analyte detected was TBA, which was detected in one boring at 5 and 15 feet bgs at concentrations of 8.6 μg/kg (RSB-38-R5-5) and 14 μg/kg (RSB-38-R5-15). No screening levels are established for TBA.

Soil Vapor

Twelve soil vapor samples were collected and analyzed for VOCs (including 1 duplicate) from 8 step-out locations around RSB-38 ranging in depth from 5 to 35 feet bgs. 16 VOC analytes were detected, with only chloroform, PCE, and TCE were detected at concentrations exceeding the USEPA and/or DTSC Commercial/Industrial SVSLs.

- **Chloroform:** Chloroform was detected in two soil vapor samples at concentrations of 8.0 μg/m^3 (RSB-38-R2-5) and 25 μg/m^3 (RSB-38-R7-35), the lat er of which exceeded the USEPA SVSL of 18 μg/m^3.

- **PCE**: PCE was detected in 12 soil vapor samples at concentrations ranging from 3.1 μg/m^3 (RSB-38-R4-15) to 1,000 μg/m^3 (RSB-38-15). Of the 11 PCE detections, four exceeded the DTSC SVSL of 67 μg/m^3.

- **TCE**: TCE was detected in four soil vapor samples at concentrations ranging from 1.8 μg/m^3 (RSB-38-15) to 270 μg/m^3 (RSB-38-R7-35). Of the four TCE detections, one exceeded the USEPA SVSL of 100 μg/m^3.

Based on the results presented above, VOC impacts were delineated vertically and laterally in the area of Ramboll boring RSB-38; refer to Figures 14, 16, 17, and 18.

4.2.8 Parts Warehouse (Parcel 3)

Soil and soil vapor samples were collected from 23 step-out borings to delineate PCE impacts around Ramboll borings RSB-53 and RSB-54 near the former Parts Warehouse in the northern portion of Parcel 3. . Ramboll collected soil samples from borings RSB-53 and RSB-54 at 1, 3, and 5 feet bgs and analyzed them for VOCs; PCE was detected at low concentrations in the 1- and 5-feet bgs samples from boring RSB-54. Ramboll also initially collected soil vapor samples from 5-feet bgs and analyzed them for VOCs; PCE at both locations exceeded the DTSC Commercial/Industrial SVSL of 67 μg/m^3. However, the reported PCE soil vapor concentration in the 5-foot probe at RSB-54 was 100,000 μg/m^3. Ramboll resampled the 5-foot probe at RSB-54 and the reported PCE concentration was 30,000 μg/m^3.

Based on the above, Ramboll installed multiple step-out borings at RSB-54 with soil vapor probes at 5, 15, and 35 feet bgs (15 probes total); all samples were analyzed for VOCs. Laboratory results showed detectable PCE in all vapor samples, with 14 of 15 above the DTSC SVSL of 67 μg/m^3.

Soil

Twenty-six soil samples were collected and analyzed for VOCs from the same depths as corresponding soil vapor probes. Depths for sample collection included 5, 15, and/or 35 feet bgs; all samples were analyzed for VOCs. Laboratory results only showed the VOC constituent TBA at 5 locations and at low concentrations (maximum was 23 μg/kg). There are no established screening levels for TBA.

Soil Vapor

Forty-four soil vapor samples (including 2 duplicates) were collected at depths of 5, 15, and/or 35 feet bgs and analyzed for VOCs. A total of 20 VOC analytes were reported, with PCE and TCE at concentrations exceeding the USEPA and/or DTSC Commercial/Industrial SVSLs.

- **PCE**: PCE was detected in 44 soil vapor samples at concentrations ranging from 2.2 μg/m^3 (RSB-54-E4-15) to 2,500 μg/m^3 (RSB-54-E1-15). Of the 44 PCE detections, 24 exceeded the DTSC SVSL of 67 μg/m^3.
- **TCE**: TCE was detected in 25 soil vapor samples at concentrations ranging from 2.4 μg/m^3 (RSB-54-SE-5) to 520 μg/m^3 (RSB-54-SE-35). Of the 25 TCE detections, two exceeded the USEPA SVSL of 100 μg/m^3.

Based on the results presented above, VOC impacts were delineated vertically and laterally in the area of Ramboll borings RSB-53 and RSB-54; refer to Figures 15, 16, 17, and 18.

4.2.9 Former 1993 UST Footprint (Parcel 3)

Two shallow soil borings (SB-2 and SB-3) were placed within the excavation footprint (east and west ends) at a former fuel UST , which had been removed in 1993 (Figure 6). The objective of the sampling was to evaluate the backfill for metals, VOCs, and TPH; therefore, soil samples were collected from depths of 1 and 3 feet bgs at each boring. 15 metals were detected above laboratory reporting limits, all concentrations were less than their respective screening criteria or background concentrations (Table 2). There were only two VOCs analytes detected, TBA and benzene, both at low concentrations. TBA does not have a screening

level, but the reported benzene concentration was below its respective USEPA RSL and DTSC SL (Table 3). DRO and ORO were detected in all four samples at concentrations less than the DTSC SLs (Table 4). Based on the above results, no impacts associated with the backfill material for the former 1993 UST were identified.

4.2.10 UST and Dispenser (Parcel 3)

One shallow soil boring (SB-4) was drilled within the tank pit and adjacent to a former 12,000 gallon dual-compartment diesel and gasoline UST, which has since been removed, but which was formerly located at the northwestern portion of Parcel 3. (Figure 7). The UST had a dispenser directly over top and the objective was to evaluate whether the dispenser and associated piping may have leaked. Soil samples were collected at 1 and 3 feet bgs and analyzed for TPH. Laboratory results did not show DRO or ORO at concentrations greater than the DTSC Commercial/Industrial SLs. Based on these results, no impacts associated with the UST and dispenser were identified.

4.2.11 Clarifier & Oil Recovery System South of Maintenance Shop (Parcel 4)

Two shallow soil borings (RSB-58-S and RSB-58-W) were drilled in the vicinity of an inactive subsurface clarifier and aboveground oil recovery system in Parcel 4 (Figure 5). Soil samples were collected from each boring at depths of 1, 3, and 5 feet bgs; all samples were analyzed for metals, VOCs, and TPH. 11 metals were detected at concentrations exceeding the laboratory reporting limits, but all concentrations were less than their respective screening criteria or background concentrations (Table 2). VOC concentrations were less than the laboratory reporting limits (Table 3). DRO and ORO were detected at 1-foot bgs in two sample locations at concentrations less than their respective DTSC Commercial/Industrial SLs (Table 4).

Based on these results, no impacts associated with the inactive clarifier and oil recovery system were identified.

4.3 Quality Control and Data Validation and Verification

4.3.1 Field Sample Collection Quality Control

Two trip blanks were included in each cooler containing VOC samples to confirm that cross-contamination did not occur during sample transportation. Samples were labeled TB-01 and TB-02 and were analyzed for VOCs. Neither sample contained detectable concentrations of any VOC analytes.

Four soil vapor duplicate samples and seven soil vapor duplicate samples were collected during the November 2021 and March 2022 investigations, respectively. Duplicate samples were collected at RSB-28-15, RSB-29-15, RSB-30-R1-15, RSB-38-15, RSB-28-R8-15, RSB-29-R4-5, RSB-30-R4-5, RSB-53-R13-15, RSB-54-NE-35, RSB-60-R5-5, and RSB-60-R5-15. All duplicate samples were within a 30% relative precent difference (RPD) from respective parent samples except for RSB-38-15-DUP for TCE, RSB-29-R4-5-DUP for acetone and isopropanol, RSB-30-R4-5-DUP and RSB-60-R5-5-DUP for acetone, RSB-54-NE-35-DUP for isopropanol and RSB-60-R5-15-DUP for acetone and 2-butanone. In each of these cases, the primary and duplicate sample detections were at trace concentrations or non-detect and the difference between the samples was less than one order of magnitude and the data can be considered reliable.

The leak check compound (LCC), 1,1-DFA, was detected in four soil vapor samples (RSB-54-S1-5, RSB-29-R5-5, RSB-38-R4-5, and RSB-60-R6-5). According to the Soil Gas Advisory, “If the concentration of the [liquid] leak check compound is greater than or equal to 10 times the reporting limit for the target analyte(s), then

corrective action is necessary" (DTSC, 2015). Detected concentrations of 1,1-DFA were less than the RL provided by the laboratory, except for RSB-60-R6-5 (1,100 µg/m^3). Therefore, the data for RSB-54-S1-5, RSB-29-R5-5, and RSB-38-R4-5, are usable for their intended purpose. However, data reported for RSB-60-R6-5 may not be reliable for its intended purpose.

The case narratives in some of the laboratory reports from Mobilization 1 noted that numerous samples required dilution due to the dark color of sample extracts for soils or elevated non-target analytes present in soil vapor samples. Roux discussed this with the laboratory and was told that the dark color is most likely due to organic material in the samples and non-target petroleum hydrocarbon compounds for soils and soil vapor, respectively. The laboratory also stated that when a dark color is observed in certain samples, the sample will be diluted as a precaution to not clog the laboratory equipment. A dark color in the sample extract was not observed with all contaminants. All samples having a dark sample extract or containing non-target compounds were reanalyzed to the method detection limit (MDL) and flagged accordingly. In some limited instances the revised reporting limits exceeded the screening levels, particularly for some of the soil vapor samples. However, this factor did not affect the results of the investigation.

4.3.2 Laboratory Quality Control Samples

Laboratory QC samples included matrix spikes and matrix spike duplicates (MS/MSD) to provide information to assess the precision and accuracy of the analysis of the target parameters within the environmental media collected at the Site. The MS portion of the sample is an aliquot of a sample that is spiked (by the laboratory) with a known concentration of the target analyte(s), which provides a measure of the method accuracy. The MSD portion of the sample is a laboratory split sample of the MS and is used to evaluate the precision of the analysis. Appendix D provides all laboratory reports including QC data.

4.3.3 Data Validation and Verification

A Stage 1 data validation was performed by Roux as defined by USEPA's *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use*, dated January 2009 (USEPA, 2009). Data validation was performed in accordance with the guidelines presented in and USEPA's *National Functional Guidelines for Inorganic Superfund Methods Data Review,* dated January 2017 (USEPA, 2017a) and USEPA's *National Functional Guidelines for Organic Superfund Methods Data Review*, dated January 2017 (USEPA, 2017b). Stage 1 validation includes verification based on "completeness and compliance checks of sample receipt conditions and only sample-related QC results."

Sample analyses were found generally compliant with the method requirements, and the sample data, with the possible exception of RSB-60-R6-5, were determined to be useable, with qualification of some sample results/detection limits as quantitatively estimated ("b" qualifier). Samples with high dilution and analyzed to the lab MDLs were flagged with a "J" qualifier. All data were considered useable for their intended purpose.

5. Summary and Conclusions

Roux implemented a Subsurface Investigation in two mobilizations at the Site to build on Ramboll's investigations and to address RECs identified by Roux in a Phase I ESA. The objectives of the investigations were met, and the bullet list below provides a summary of the investigation results.

- Metals, DRO, and SVOC (RR-12 only) concentrations in shallow soils at localized areas of the Site will require additional delineation and potential hot spot removal during redevelopment activities.

- VOC concentrations in soil across the Site were either non-detect or detected at concentrations less than their respective DTSC SLs or USEPA RSLs in all samples.

- Soil vapor analytical results indicate that PCE is elevated in a small portion of Parcel 3. PCE impacts have been delineated both vertically and laterally and are highest in concentration between 5 and 15 feet bgs, with significant at enuation at 35 feet bgs. A soil vapor extraction pilot test was implemented at the Site and is documented in a separate Technical Memorandum.

- Limited impacts from PCBs have been investigated and are documented in a separate Technical Memorandum.

- Physical distribution and chemical makeup of slag materials has been investigated and are documented in a separate Technical Memorandum.

6. Recommendations

Site data confirm that industrial redevelopment of the Site is feasible; however, additional environmental investigations and remedial evaluation will be necessary prior to initiation of Site development activities. Roux provides the following recommendations, some of which have been implemented, as summarized below:

1. Evaluation of soil vapor extraction (SVE) as a remedial alternative for shallow soil vapor VOC impacts to Parcel 3.

   An SVE pilot test was performed on July 15 and 16, 2022, to evaluate SVE as a potentially viable full-scale remedial technology for cleanup of VOCs (namely PCE and benzene) at Parcel 3. Roux prepared a SVE Pilot Test technical memorandum (TM), dated October 4, 2022, to document SVE pilot testing activities conducted on July 15 and 16, 2022 at the Site. The SVE Pilot Test TM provides the technical details, rationale, and results of the pilot testing activities conducted at the Site, including SVE well installation on June 24, 2022. Based on the results of the SVE pilot test, SVE was confirmed as an effective technology for remediation of VOC-impacted soil vapor at the Site.

2. Additional sampling at the rail spurs to delineate the extent of PCB impacts.

   A targeted shallow soil investigation was conducted on November 10, 2022, and targeted a small area of Parcel 3, near the southeastern corner of the Site, where shallow soil sampling showed PCBs at concentrations greater than screening levels along a former rail spur. Based on the results of PCB sampling, Roux concluded that PCB impacts at the Site do not appear to be significant and/or widespread. Roux prepared a TM, dated March 2, 2023, to document the targeted soil investigation procedures and findings.

3. Evaluation of slag materials along the western portion of the Site.

   Pothole and trenching investigation and sampling activities were conducted at the Site between September 14 and October 11, 2022. The slag investigations were performed to further assess the distribution, as well as the physical and chemical characteristics of subsurface slag at the Site. Based on the results of the slag investigation, the distribution and thickness of slag materials are well understood, as are the physical characteristics of slag and slag materials. Leachability analysis performed by Roux and Ramboll at locations with the highest concentrations of metals indicated that slag materials do not have a significant leaching potential, with only one location (Ramboll location RSB-02) exceeding STLC or TCLP limits. Roux prepared a Slag Investigation TM, dated March 24, 2023, to document the slag investigation procedures and findings.

4. Additional shallow soil sampling to define DRO and metals impacts at Parcels 2 and 3, and SVOC impacts at Parcel 3. The additional sampling will be presented in a forthcoming Data Gap Investigation Workplan and will define soils that may need to be removed from the Site or evaluated for potential on-Site treatment and reuse.

7. References

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Table 1
Sampling Analysis Plan
12451 Arrow Route, Rancho Cucamonga, California

Location	Current Borings	Boring Dates	Historical Borings	Scope of Work	Soil Sample Depth (feet bgs)	Analytical Suite	Soil Vapor Probe Depth (feet bgs)	Rationale
24 locations in a sitewide grid	RSB-01 to RSB-24	12/2020 - 02/2021	N/A	Each boring to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Evaluation of the extent of slag material at the site. Parcel 1 and 2 in the southwestern corner of the Site, including areas of adjacent neighboring properties, were remediated for lead impacts. This area received a NFA status from the RWQCB-SA on November 7, 1990. As a result of these activities, the Site is listed in the SLIC database with closed status.
3 locations N, S, and W of RSB-02-W	RSB-02-R1 to R3	11/2021	RSB-02-W	Delineation of lead impacts around RSB-02-W	1, 3, 5 (R2 only)	Lead	-	Delineation of shallow lead impacts in Parcel 2
5 locations N, S, and E of RSB-03-E and W and S of RSB-03-S	RSB-03-R1 to R5	11/2021	RSB-03-E and -S	Delineation of TPH impacts around RSB-03	1, 3	TPH	-	Delineation of shallow TPH impacts in Parcel 3
7 locations N, S, E, and W of RSB-05-S	RSB-05-R1 to R7	11/2021	RSB-05, -SCL, -S, -SSW, -S2, and -SSE	Delineation of TPH impacts around RSB-05	1, 3, 5 (R5 only)	TPH	-	Delineation of shallow TPH impacts in Parcel 2
Two borings (one at north end & one at south end) near open top clarifier in Parcel 3	RSB-28, RSB-29	12/1/2020	N/A	2 borings to 30 feet bgs, one on north end and one on south end. Vapor probes at 5 & 30 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10 14.5-15 19.5-20 24.5-25 29.5-30	Metals, VOCs & TPH	5, 30	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One soil vapor boring adjacent to RSB-28	RSB-28	12/2020	RSB-28	1 boring to 15 feet	NA	VOCs	15	Evaluate 15 foot sample at RSB-28 in Parcel 3
Three step-out soil vapor borings NW, NE, and SW of RSB-28	RSB-28-R1 to R3	11/2021	RSB-28	3 borings to 5 feet bgs	NA	VOCs	5	Delineate benzene and PCE impacts around RSB-28 in Parcel 3
Five step-out soil vapor borings N, S, E, and W of RSB-28	RSB-28-R4 to R8	3/2022	RSB-28	5 borings to 15 feet bgs	5, 15 (R8 only 15)	VOCs	5, 15 (R8 only 15)	Delineate benzene and PCE impacts around RSB-28 in Parcel 3
One soil vapor boring adjacent to RSB-29	RSB-29	12/2020	RSB-29	1 boring to 15 feet	NA	VOCs	15	Evaluate 15 foot sample at RSB-29
Three step-out soil vapor borings N, S, and W of RSB-29	RSB-29-R1 to R3	11/2021	RSB-29	3 borings to 5 feet bgs	NA	VOCs	5	Delineate benzene and PCE impacts around RSB-29 in Parcel 3
Six step-out soil vapor borings N, S, E, and W of RSB-29	RSB-29-R4 to R9	3/2022	RSB-29	6 borings to 15 feet bgs	5, 15 (R8 and R9 only 15)	VOCs	5, 15 (R8 and R9 only 15)	Delineate benzene and PCE impacts around RSB-29 in Parcel 3
Two borings within mobile maintenance building in Parcel 3	RSB-30, RSB-60	12/2020 - 1/2021	N/A	2 borings, one boring near drain to 15 feet bgs, one boring near broken asphalt to 5 feet bgs. Vapor probes at 5 & 15 feet bgs.	0.5-1 2.5-3 4.5-5 9.5-10	Metals, VOCs & TPH	5, 15 (RSB-60 only 5)	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).

Table 1
Sampling Analysis Plan
12451 Arrow Route, Rancho Cucamonga, California

Location	Current Borings	Boring Dates	Historical Borings	Scope of Work	Soil Sample Depth (feet bgs)	Analytical Suite	Soil Vapor Probe Depth (feet bgs)	Rationale
Three step-out soil vapor borings E, S, and W of RSB-30	RSB-30-R1 to R3	11/2021	RSB-30	3 borings to 5 feet bgs	NA	VOCs	5, 15	Delineate PCE impacts around RSB-30 in Parcel 3
Two step-out soil vapor borings NW and SW of RSB-30	RSB-30-R4 and R5	3/2022	RSB-30	6 borings to 15 feet bgs	5, 15	VOCs	5, 15	Delineate PCE impacts around RSB-30 in Parcel 3
One deep soil vapor boring adjacent to RSB-30	RSB-30-R6	3/2022	RSB-30	1 boring to 35 feet bgs	35	VOCs	35	Delineate PCE impacts around RSB-30 in Parcel 3
Two step-out soil vapor borings NW and NE of RSB-60	RSB-60-R5 and R6	3/2022	RSB-60	2 borings to 15 feet bgs	5, 15	VOCs	5, 15	Delineate PCE impacts around RSB-60 in Parcel 3
One deep soil vapor boring adjacent to RSB-60	RSB-60-R8	3/2022	RSB-60	1 boring to 35 feet bgs	15, 35	VOCs	35	Delineate PCE impacts around RSB-60 in Parcel 3
One boring near ASTs south of mobile maintenance building in Parcel 3	RSB-38	12/1/2020	N/A	1 angled boring under AST to 5 feet bgs. Vapor probe at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5	Based on historical review conducted as part of Ramboll's 2020 Phase I ESA, the area in the vicinity of the ASTs located south of the Mobile Maintenance building at the Site on Parcel 3 exhibited significant staining.
One soil vapor boring adjacent to RSB-38	RSB-38	11/2021	RSB-38	1 boring to 15 feet	NA	VOCs	15	Evaluate 15 foot sample at RSB-38
Three step-out soil vapor borings N, S, and E of RSB-38	RSB-38-R1 to R3	11/2021	RSB-38	3 borings to 5 feet bgs	NA	VOCs	5	Delineate PCE impacts around RSB-38 in Parcel 3
Two step-out soil vapor borings NW and SW of RSB-38	RSB-38-R4 and R6	3/2022	RSB-38	3 borings to 15 feet bgs	5, 15	VOCs	5, 15	Delineate PCE impacts around RSB-38 in Parcel 3
One deep soil vapor boring adjacent to RSB-38	RSB-38-R7	3/2022	RSB-38	1 boring to a depth of 35 feet bgs	35	VOCs	35	Delineate PCE impacts around RSB-38 in Parcel 3
Two borings within building in central portion of Parcel 3	RSB-53, RSB-54	12/1/2020	N/A	2 borings to 5 feet bgs. Vapor probes at 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	5	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
One soil vapor boring adjacent to RSB-53	RSB-53	11/2021	RSB-53	1 boring to 15 feet	NA	VOCs	15	Evaluate 15 foot sample at RSB-53
Seven step-out soil vapor borings N, S, E, and W of RSB-53	RSB-53-R1 to R7	11/2021	RSB-53	7 borings to 5 feet bgs	NA	VOCs	5	Delineate PCE impacts around RSB-53 in Parcel 3
Six step-out soil vapor borings N, W, and S of RSB-53	RSB-53-R8 to R13	3/2022	RSB-53	6 borings to 15 feet bgs	5, 15 (R11 and R12 only 15)	VOCs	5, 15 (R11 and R12 15 only)	Delineate PCE impacts around RSB-53 in Parcel 3
Two deep soil vapor borings E and W of RSB-53	RSB-53-R14 and R15	3/2022	RSB-53	2 borings to 35 feet bgs	15 and 35 (R14 only 35)	VOCs	15 and 35 (R14 only 35)	Delineate PCE impacts around RSB-53 in Parcel 3
Two step-out soil vapor borings E of RSB-54-E	RSB-54-E1 and E2	11/2021	RSB-54-E	2 borings to 15 feet bgs	NA	VOCs	5, 15	Delineate PCE impacts around RSB-54 in Parcel 3
One deep step-out soil vapor borings E of RSB-54-E	RSB-54-E3	3/2022	RSB-54-E	1 boring to 35 feet bgs	35	VOCs	35	Delineate PCE impacts around RSB-54 in Parcel 3
One deep step-out soil vapor borings E of RSB-54-E	RSB-54-E4	3/2022	RSB-54-E	1 boring to 35 feet bgs	5, 15, 35	VOCs	5, 15, 35	Delineate PCE impacts around RSB-54 in Parcel 3

Table 1
Sampling Analysis Plan
12451 Arrow Route, Rancho Cucamonga, California

Location	Current Borings	Boring Dates	Historical Borings	Scope of Work	Soil Sample Depth (feet bgs)	Analytical Suite	Soil Vapor Probe Depth (feet bgs)	Rationale
Three step-out soil vapor borings W and N of RSB-54-N	RSB-54-E1 and E2	11/2021	RSB-54-N	2 borings to 15 feet bgs	NA	VOCs	15	Delineate PCE impacts around RSB-54 in Parcel 3
One boring east of mobile maintenance building in Parcel 3	RSB-57	12/2020-1/2021	N/A	1 boring to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Five step-out borings S and W of RSB-57	RSB-57-R1 to R5	11/2021	RSB-57 and step-outs	3 borings to 1 foot, 2 borings to 3 feet bgs	1, 3	Lead	-	Delineation of shallow lead impacts in Parcel 3
One boring near drain in Parcel 4 south of maintenance shop	RSB-58	12/2020	N/A	One boring to 5 feet bgs.	0.5-1 2.5-3 4.5-5	Metals, VOCs & TPH	-	Assess potential leaks/spills in the vicinity of the noted feature (during site walks conducted by Ramboll in 2020).
Two step-out borings S and W of RSB-58	RSB-58-S and W	11/2021	RSB-58	2 borings to 5 feet	1, 3, 5	Metals, VOCs & TPH	-	Additional sampling in area of oil collection trench and clarifier in Parcel 4
Two shallow soil borings on the east and west ends of the vehicle wash area	RSB-70-E and W	11/2021	NA*	2 borings to 5 feet	1, 3, 5	Metals, VOCs & TPH	-	Assess the former Vehicle Wash Area in Parcel 2
Shallow soil boring in the former drum storage area in Parcel 2	SB-1	11/2021	NA*	1 boring to 3 feet	1, 3	Metals, VOCs & TPH	-	Assess the former drum storage area in Parcel 2
Two shallow soil borings on the east and west ends of the former 1993 UST footprint in Parcel 3	SB-2 and SB-3	11/2021	NA*	2 borings to 3 feet	1, 3	Metals, VOCs & TPH	-	Assess conditions in the former tank footprint in Parcel 3
Shallow soil boring adjacent to the existing (at the time) UST and dispenser in Parcel 3	SB-4	11/2021	NA*	1 borings to 3 feet	1, 3	TPH	-	Assess conditions adjacent to the tank in Parcel 3
19 borings along the rail spur in Parcels 2 and 3	RR-1 to RR-19	11/2021	NA*	19 borings to 1.5 feet	0.5, 1.5	Metals, VOCs, TPH. PCBs, OCPs, SVOCs, chlorinated herbicides in 12 of 19 borings only.	-	Assess conditions along the rail spurs in Parcels 2 and 3

Notes:

Shading indicates Ramboll boring locations
bgs = below ground surface
NA = Not applicable
VOCs = Volatile Oragnic Chemicals
TPH = Total Petroleum Hydrocarbons
PCBs = Polychlorinated Biphenyls
PCE = Tetrachloroethene
UST = Underground Storage Tank
AST = Aboveground Storage Tank
NFA = No Further Action letter
RWQCB-SA = Regional Water Quality Control Board - Santa Ana
SLIC = Spills, Leaks, Investigation, and Cleanup sites
OCPs = Organochlorine Pesticides
SVOCs = Semi-Volatile Organic Compounds
Cl Herbicides = Chlorinated Herbicides

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A**																
Unit			**mg/kg**																
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-02-1	1	1/4/2021	<5.00	<5.00	**82.2**	<0.50	**1.4**	**11.8**	**6.5**	**9.9**	**10.8**	<0.02	<0.50	**8.6**	<5.00	<0.50	<5.00	**28.9**	**69**
RSB-02-3	3	1/4/2021	<5.00	<5.00	**102**	<0.50	**55.6**	**NA**	**8.0**	**157**	**2,910**	**0.071**	**7.40**	**23.4**	<5.00	<0.50	<5.00	**26.1**	**11,900**
RSB-02-5	5	1/4/2021	<5.00	<5.00	**102**	<0.50	**1.9**	**16.7**	**9.5**	**17.2**	**4.4**	<0.02	<0.50	**11.5**	<5.00	<0.50	<5.00	**38.6**	**74.4**
RSB-02-N-1	1	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**52.4**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-N-3	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**51.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-N-5	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**4.1**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-W-1	1	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**92.4**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-W-3	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**2,040**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-W-5	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**5.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-S-3	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**14.7**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-S-5	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**3.3**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-E-1	1	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**91.5**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-E-3	3	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**8.3**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-E-5	5	1/26/2021	NA	NA	NA	NA	NA	NA	NA	NA	**3.6**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R1-1	1	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R1-3	3	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	**28**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R2-1	1	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	**120**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R2-3	3	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	**1,700**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R2-5	5	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	**5.9**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R3-1	1	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	**34**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-02-R3-3	3	11/4/2021	NA	NA	NA	NA	NA	NA	NA	NA	**57**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-43-1	1	12/23/2020	<5.00	<5.00	**253**	<0.50	**105**	**181**	**7.9**	**82.6**	**190**	0.050	2.5	**26.3**	<5.00	<0.50	<5.00	**59.4**	**1,520**
RSB-43-3	3	12/23/2020	<5.00	<5.00	**224**	<0.50	**2.3**	**20**	**6.2**	**14.1**	**35**	<0.02	<0.50	**12.5**	<5.00	<0.50	<5.00	**30.8**	**252**
RSB-43-5	5	12/23/2020	<5.00	<5.00	**265**	<0.50	**1.70**	**17**	**8.6**	**15.3**	**3.2**	<0.02	<0.50	**10.8**	<5.00	<0.50	<5.00	**37.3**	**112**
RSB-43-10	10	12/23/2020	<5.00	<5.00	**199**	<0.50	**0.90**	**11**	**4.6**	**6.9**	**1.5**	<0.02	<0.50	**6.1**	<5.00	<0.50	<5.00	**23.1**	**82**
RSB-43-15	15	12/23/2020	<5.00	<5.00	**168**	<0.50	**0.70**	**6.0**	**3.8**	**4.2**	**1.0**	<0.02	<0.50	**3.7**	<5.00	<0.50	<5.00	**16.8**	**73**
RSB-57-1	1	1/7/2021	<5.00	<5.00	**297**	<0.50	<0.50	**203**	**24.3**	**486.0**	**918**	0.696	15.1	**94.4**	<5.00	<0.50	<5.00	**33.6**	**2,310**
RSB-57-3	3	1/7/2021	<5.00	<5.00	**324**	<0.50	**10.8**	**60.4**	**10.4**	**204.0**	**401**	0.085	<0.50	**66.7**	<5.00	<0.50	<5.00	**23.9**	**960**
RSB-57-5	5	1/7/2021	<5.00	<5.00	**80.5**	<0.50	**1.2**	**10.4**	**6.4**	**9.7**	**5.6**	<0.02	<0.50	**7.7**	<5.00	<0.50	<5.00	**26.2**	**53.5**
RSB-57-N-1	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**2.7**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-N-3	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**3.3**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-N-5	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**3.6**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-W-1	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**692**	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A**																
Unit			**mg/kg**																
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RSB-57-W-3	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**53.1**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-W-5	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**5.5**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-S-1	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**775**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-S-3	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**4.2**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-S-5	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**14.8**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-E-1	1	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**78.9**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-E-3	3	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**3.0**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-E-5	5	1/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	**2.8**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R1-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	**7.4**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R2-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	**170**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R3-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	**94**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R4-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	**780**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R4-3	3	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	**2,300**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R5-1	1	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	**330**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-57-R5-3	3	11/5/2021	NA	NA	NA	NA	NA	NA	NA	NA	**9.1**	NA	NA	NA	NA	NA	NA	NA	NA
RSB-58-1	1	12/16/2020	<5.00	<5.00	**130**	<0.50	**1.4**	**22**	**7.6**	**13**	**3.5**	<0.02	<0.50	**12**	<5.00	<0.50	<5.00	**40**	**36**
RSB-58-3	3	12/16/2020	<5.00	<5.00	**153**	<0.50	**1.5**	**26**	**8.0**	**15**	**4.1**	<0.02	<0.50	**14**	<5.00	<0.50	<5.00	**46**	**35**
RSB-58-5	5	12/16/2020	<5.00	<5.00	**107**	<0.50	**1.6**	**15**	**8.6**	**12**	**3.0**	<0.02	<0.50	**10**	<5.00	<0.50	<5.00	**37**	**45**
RSB-58-S-1	1	11/3/2021	<2.7	**1.1**	**280**	**1.0**	<0.45	**100**	**6.2**	**19**	**5.4**	<0.14	<0.91	**11**	<2.7	**0.74**	<2.7	**100**	**39**
RSB-58-S-3	1	11/3/2021	<2.8	<0.9	**160**	<0.5	<0.5	**33**	**8.0**	**18**	**5.7**	<0.2	<0.9	**20**	<2.8	<0.5	<2.8	**46**	**40**
RSB-58-S-5	5	11/3/2021	<2.7	**1.3**	**130**	<0.45	<0.45	**22**	**8.2**	**15**	**4.8**	<0.14	<0.91	**14**	<2.7	<0.45	<2.7	**44**	**53**
RSB-58-W-1	1	11/3/2021	<2.9	<1.0	**160**	<0.49	<0.49	**26**	**7.9**	**17**	**5.7**	<0.14	<1.0	**17**	<2.9	<0.49	<2.9	**49**	**43**
RSB-58-W-3	3	11/3/2021	<2.6	<0.88	**160**	<0.44	<0.44	**29**	**7.7**	**15**	**4.0**	<0.15	<0.88	**17**	<2.6	<0.44	<2.6	**48**	**40**
RSB-58-W-5	5	11/3/2021	<3.1	**1.8**	**170**	<0.52	<0.52	**23**	**10**	**19**	**5.9**	<0.16	<1.0	**16**	<3.1	<0.52	<3.1	**56**	**64**
RSB-70-W-1	1	11/3/2021	**9.0**	**9.5**	**300**	**0.45**	**1.0**	**1,200**	**17**	**580**	**150**	**1.0**	**28**	**120**	**6.8**	**0.56**	**2.8**	**110**	**590**
RSB-70-W-3	3	11/3/2021	<3.0	**1.6**	**150**	<0.50	<0.50	**21**	**10**	**19**	**6.1**	<0.17	<1.0	**15**	<3.0	<0.50	<3.0	**50**	**65**
RSB-70-W-5	5	11/3/2021	<2.9	**1.1**	**120**	<0.48	<0.48	**17**	**8.0**	**14**	**4.5**	<0.15	<1.0	**12**	<2.9	<0.48	<2.9	**43**	**52**
RSB-70-E-1	1	11/3/2021	<3.1	**3.6**	**210**	<0.52	**1.5**	**370**	**11**	**120**	**91**	**0.16**	**8.3**	**46**	<3.1	<0.52	<3.1	**73**	**510**
RSB-70-E-3	3	11/3/2021	<2.9	**1.9**	**150**	<0.48	<0.48	**46**	**9.9**	**30**	**13**	<0.15	**1.5**	**19**	<2.9	<0.48	<2.9	**52**	**99**
RSB-70-E-5	5	11/3/2021	<2.7	**1.1**	**110**	<0.44	<0.44	**17**	**7.3**	**13**	**4.4**	<0.16	<0.88	**11**	<2.7	<0.44	<2.7	**40**	**49**
SB-1-1	1	11/4/2021	**2.8**	**6.1**	**82**	<0.43	<0.43	**110**	**13**	**160**	**33**	<0.16	**11**	**83**	<2.6	<0.43	<2.6	**44**	**180**
SB-1-3	3	11/4/2021	<2.9	**1.3**	**130**	<0.48	<0.48	**29**	**8.1**	**16**	**4.2**	<0.14	<0.96	**13**	<2.9	<0.48	<2.9	**46**	**53**
SB-2-1	1	11/4/2021	**4.8**	**3.9**	**310**	**0.77**	<0.52	**640**	**13**	**280**	**69**	<0.15	**22**	**110**	**4.1**	<0.52	<3.1	**140**	**390**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A**																
Unit			**mg/kg**																
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
SB-2-3	3	11/4/2021	**2.8**	**4.3**	**180**	<0.45	**2.6**	**190**	**11**	**190**	**320**	**0.25**	**8.7**	**50**	<2.7	<0.45	<2.7	**59**	**730**
SB-3-1	1	11/4/2021	<2.8	**2.6**	**240**	**0.49**	<0.47	**310**	**9.3**	**100**	**41**	<0.16	**7.2**	**43**	<2.8	<0.47	<2.8	**100**	**380**
SB-3-3	3	11/4/2021	<2.8	**2.8**	**150**	<0.46	<0.46	**100**	**10**	**110**	**61**	<0.14	**5.7**	**43**	<2.8	<0.46	<2.8	**55**	**250**
RR-1-.5	0.5	11/8/2021	<2.8	**3.2**	**340**	**2.40**	<0.46	**170**	**5.9**	**130**	**24**	<0.16	**9.4**	**48**	<2.8	**0.53**	<2.8	**53**	**180**
RR-1-1.5	1.5	11/8/2021	<2.8	**3.3**	**270**	**1.70**	<0.47	**190**	**6.7**	**120**	**21**	<0.15	**9.0**	**46**	<2.8	**0.61**	<2.8	**66**	**170**
RR-2-.5	0.5	11/8/2021	<2.8	**4.9**	**160**	**0.83**	**1.2**	**85**	**9.1**	**92**	**54**	<0.14	**7.9**	**48**	<2.8	<0.47	<2.8	**43**	**310**
RR-2-1.5	1.5	11/8/2021	<2.9	**3.9**	**130**	**0.59**	<0.49	**62**	**11**	**91**	**33**	<0.15	**6.8**	**42**	<2.9	<0.49	<2.9	**44**	**190**
RR-3-.5	0.5	11/8/2021	**8.8**	**12**	**310**	**0.62**	**13**	**1,100**	**24**	**530**	**330**	<0.16	**37**	**180**	**4.3**	**0.98**	**2.9**	**120**	**1,900**
RR-3-1.5	1.5	11/8/2021	**5.7**	**8.9**	**250**	**0.77**	**5.8**	**420**	**20**	**320**	**290**	**0.16**	**20**	**87**	<2.9	<0.49	<2.9	**49**	**1,200**
RR-4-.5	0.5	11/8/2021	**5.7**	**8.7**	**340**	**0.56**	**3.0**	**600**	**17**	**300**	**190**	**0.15**	**20**	**95**	**4.1**	**0.70**	<3.0	**99**	**1,000**
RR-4-1.5	1.5	11/8/2021	<2.8	**1.8**	**130**	<0.47	<0.47	**110**	**7.4**	**35**	**19**	<0.14	**2.1**	**16**	<2.8	<0.47	<2.8	**48**	**130**
RR-5-.5	0.5	11/8/2021	**5.3**	**5.7**	**190**	**0.53**	**1.2**	**500**	**14**	**300**	**110**	<0.16	**20**	**79**	**5.8**	**0.81**	<2.8	**110**	**450**
RR-5-1.5	1.5	11/8/2021	**5.4**	**8.2**	**240**	**0.50**	**3.5**	**500**	**21**	**440**	**170**	<0.17	**24**	**120**	**3.4**	**0.65**	<2.8	**110**	**840**
RR-6-.5	0.5	11/8/2021	**3.9**	**4.5**	**240**	<0.47	**0.55**	**430**	**11**	**210**	**67**	<0.16	**13**	**68**	**3.1**	<0.47	<2.8	**96**	**470**
RR-6-1.5	1.5	11/8/2021	<3.1	**1.2**	**110**	<0.52	<0.52	**48**	**7.0**	**24**	**9.0**	<0.14	**1.1**	**14**	<3.1	<0.52	<3.1	**46**	**70**
RR-7-.5	0.5	11/8/2021	<2.8	**5.9**	**170**	<0.47	**1.9**	**250**	**14**	**230**	**160**	<0.15	**11**	**63**	<2.8	<0.47	<2.8	**61**	**570**
RR-7-1.5	1.5	11/8/2021	<3.1	**6.0**	**140**	<0.52	**1.7**	**170**	**17**	**210**	**150**	<0.14	**10**	**74**	<3.1	<0.52	<3.1	**57**	**480**
RR-8-.5	0.5	11/8/2021	<3.3	**4.5**	**99**	<0.55	<0.55	**110**	**5.3**	**42**	**18**	<0.16	**3.1**	**20**	<3.3	<0.55	<3.3	**41**	**120**
RR-8-1.5	1.5	11/8/2021	<2.9	**3.9**	**77**	<0.48	<0.48	**69**	**4.5**	**25**	**13**	<0.17	**2.2**	**16**	<2.9	<0.48	<2.9	**63**	**79**
RR-9-.5	0.5	11/8/2021	**4.7**	**5.3**	**300**	**0.71**	**3.0**	**500**	**22**	**320**	**200**	**0.23**	**16**	**77**	**4.5**	**1.0**	<2.9	**210**	**870**
RR-9-1.5	1.5	11/8/2021	**3.3**	**4.9**	**210**	**0.51**	**4.4**	**350**	**23**	**290**	**220**	**0.39**	**11**	**61**	**4.1**	**0.79**	<2.6	**110**	**1,400**
RR-10-.5	0.5	11/8/2021	<3.1	**1.9**	**90**	<0.52	<0.52	**36**	**5.9**	**20**	**5.9**	<0.15	**2.2**	**16**	<3.1	<0.52	<3.1	**41**	**46**
RR-10-1.5	1.5	11/8/2021	<3.0	**1.7**	**120**	<0.50	<0.50	**15**	**7.1**	**12**	**4.0**	<0.16	<0.99	**9.3**	<3.0	<0.50	<3.0	**44**	**43**
RR-11-.5	0.5	11/8/2021	<2.8	**4.6**	**93**	<0.46	<0.46	**54**	**6.0**	**21**	**9.9**	<0.15	**1.3**	**14**	<2.8	<0.46	<2.8	**37**	**76**
RR-11-1.5	1.5	11/8/2021	<2.8	**3.9**	**73**	<0.47	<0.47	**34**	**3.7**	**15**	**9.0**	<0.15	**1.2**	**12**	<2.8	<0.47	<2.8	**23**	**64**
RR-12-.5	0.5	11/8/2021	**8.0**	**13**	**300**	**0.79**	<0.44	**710**	**18**	**450**	**67**	<0.16	**33**	**170**	**4.9**	**0.85**	<2.7	**150**	**560**
RR-12-1.5	1.5	11/8/2021	**9.7**	**14**	**250**	**0.65**	<0.50	**770**	**23**	**520**	**71**	<0.15	**39**	**250**	**4.0**	<0.50	**3.1**	**120**	**370**
RR-13-.5	0.5	11/8/2021	<2.8	**2.5**	**280**	**2.5**	<0.46	**19**	**4.9**	**15**	**6.5**	<0.16	<0.93	**8.2**	<2.8	<0.46	<2.8	**33**	**83**
RR-13-1.5	1.5	11/8/2021	<2.9	**1.5**	**120**	**0.61**	<0.48	**15**	**6.6**	**12**	**3.9**	<0.16	<0.95	**10**	<2.9	<0.48	<2.9	**41**	**46**
RR-14-.5	0.5	11/8/2021	<2.9	**15**	**50**	<0.48	<0.48	**28**	**5.4**	**18**	**18**	<0.14	**1.2**	**17**	<2.9	<0.48	<2.9	**28**	**76**
RR-14-1.5	1.5	11/8/2021	<3.0	**11**	**95**	<0.51	**0.60**	**38**	**7.5**	**44**	**35**	<0.16	**2.7**	**20**	<3.0	<0.51	<3.0	**31**	**150**
RR-15-.5	0.5	11/8/2021	<2.7	**1.4**	**130**	<0.45	<0.45	**19**	**8.2**	**16**	**4.7**	<0.14	<0.90	**13**	<2.7	<0.45	<2.7	**46**	**53**
RR-15-1.5	1.5	11/8/2021	<2.8	**1.1**	**150**	<0.47	<0.47	**23**	**9.1**	**19**	**6.8**	<0.16	<0.94	**17**	<2.8	<0.47	<2.8	**49**	**60**

Table 2
Soil Analytical Results - Metals
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Analytical Method			**USEPA Method 6010B/7141A**																
Unit			**mg/kg**																
DTSC Commercial/Industrial Soil SL			**NS**	**0.36**	**NS**	**230**	**79**	**NS**	**NS**	**NS**	**500**	**4.4**	**NS**	**11,000**	**NS**	**NS**	**NS**	**NS**	**NS**
USEPA Industrial Soil RSL			**470**	**3**	**220,000**	**2,300**	**100**	**NS**	**350**	**47,000**	**800**	**46**	**5,800**	**22,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
California Upper Confidence Limit [1]			**NS**	**12**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
RR-16-.5	0.5	11/8/2021	<3.0	<1.0	**100**	<0.51	<0.51	**13**	**5.7**	**10**	**3.9**	<0.14	<1.00	**8.5**	<3.0	<0.51	<3.0	**38**	**36**
RR-16-1.5	1.5	11/8/2021	<2.8	**1.6**	**110**	<0.46	<0.46	**17**	**7.3**	**13**	**5.2**	<0.17	<0.92	**11**	<2.8	<0.46	<2.8	**45**	**45**
RR-17-.5	0.5	11/8/2021	<3.1	**2.4**	**290**	**2.2**	**1.1**	**190**	**4.2**	**53**	**52**	<0.16	**2.9**	**18**	<3.1	<0.52	<3.1	**48**	**290**
RR-17-1.5	1.5	11/8/2021	<3.1	**2.5**	**300**	**2.1**	<0.52	**200**	**6.5**	**110**	**37**	<0.16	**7.0**	**39**	<3.1	<0.52	<3.1	**68**	**250**
RR-18-.5	0.5	11/8/2021	<3.0	**1.2**	**120**	<0.51	<0.51	**17**	**6.9**	**14**	**5.9**	<0.15	<1.00	**11**	<3.0	<0.51	<3.0	**42**	**52**
RR-18-1.5	1.5	11/8/2021	<2.9	**1.0**	**110**	<0.48	<0.48	**17**	**6.3**	**12**	**4.6**	<0.15	<0.96	**11**	<2.9	<0.48	<2.9	**40**	**44**
RR-19-.5	0.5	11/8/2021	**6.2**	**7.1**	**530**	**0.78**	**5.50**	**830**	**11**	**330**	**210**	<0.14	**24**	**92**	**8.7**	**1.8**	**3.4**	**150**	**1,500**
RR-19-1.5	1.5	11/8/2021	**3.5**	**5.3**	**350**	**0.94**	**3.70**	**540**	**7.9**	**190**	**140**	<0.16	**13**	**55**	**4.8**	**1.0**	<2.9	**100**	**970**

Notes:
ft bgs = feet below ground surface
USEPA = United States Environmental Protection Agency
mg/kg = milligrams per kilogram

DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)

USEPA Commercial/Industrial Soil RSL = USEPA Regional Screening Level for Commercial/Industrial Soil (May 2022)
[1]California Upper Confidence Limit = background arsenic concentration of 12.0 mg/kg; DTSC HERO HHRA Note 11 (December 2020)
NS = no standard established
Shading indicates sample collected by Ramboll
Bold indicates that value exceeds laboratory reporting limit
Italics indicate sample is a duplicate
<X = analyte not detected above laboratory reporting limit
Cells highlighted in orange exceed either one or both SLs
Lowest of the cancer and non-cancer endpoint screening levels are listed

Table 3
Soil Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1,2,4-Trimethylbenzene	Acetone	Benzene	Ethylbenzene	m,p-Xylenes	Methylene Chloride	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Other Analyzed VOCs
Analytical Method			**USEPA Method 8260B**												
Unit			**µg/kg**												
DTSC Commercial/Industrial Soil SL			**NS**	**NS**	**1,400**	**NS**	**NS**	**26,000**	**6,500**	**NS**	**NS**	**2,700**	**5,300,000**	**NS**	**varies**
USEPA Industrial Soil RSL			**1,800,000**	**1,100,000,000**	**5,100**	**25,000**	**2,400,000**	**1,000,000**	**8,600**	**2,800,000**	**6,500,000**	**100,000**	**47,000,000**	**6,000**	**varies**
RSB-28-1	1	12/21/2020	<1.0	NA	**4.1**	<1.0	<2.5	<1.0	<1.0	<1.0	<50	<1.0	**2.5**	<1.0	ND
RSB-28-3	3	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-28-5	5	12/21/2020	<1.0	NA	<1.0	**1.9**	**5.6**	<1.0	<1.0	**1.7**	<50	<1.0	<1.0	<1.0	ND
RSB-28-10	10	12/21/2020	**2.8**	NA	**3.3**	<1.0	**3.0**	<1.0	<1.0	**1.5**	<50	<1.0	**2.9**	<1.0	ND
RSB-28-15	15	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-28-20	20	12/21/2020	**1.3**	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-28-25	25	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-28-30	30	12/21/2020	**1.3**	NA	**1.2**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.3**	<1.0	ND
RSB-28-R4-5	5	3/2/2022	<7.6	<150	<7.6	<7.6	<15	<7.6	<7.6	<7.6	<15	<7.6	<7.6	<7.6	ND
RSB-28-R4-15	15	3/2/2022	<5.0	<100	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	ND
RSB-28-R5-5	5	3/3/2022	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-28-R5-15	15	3/3/2022	<3.8	<76	<3.8	<3.8	<7.6	<3.8	<3.8	<3.8	<7.6	<3.8	<3.8	<3.8	ND
RSB-28-R6-5	5	3/2/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-28-R6-15	15	3/2/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-28-R7-5	5	3/2/2022	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	ND
RSB-28-R7-15	15	3/2/2022	<13	<260	<13	<13	<26	<13	<13	<13	<26	<13	<13	<13	ND
RSB-28-R8-15	15	3/2/2022	<5.3	<110	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	ND
RSB-29-1	1	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**2.1**	<1.0	ND
RSB-29-3	3	12/21/2020	<1.0	NA	**2.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-29-5	5	12/21/2020	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-29-10	10	12/21/2020	<1.0	NA	<1.0	<1.0	**2.1**	<1.0	<1.0	**2.3**	<50	<1.0	<1.0	<1.0	ND
RSB-29-15	15	12/21/2020	<1.0	NA	**2.1**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.5**	<1.0	ND
RSB-29-20	20	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-29-25	25	12/21/2020	**2.1**	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-29-30	30	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-29-R4-5	5	3/2/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-29-R4-15	15	3/2/2022	<3.8	<77	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	ND
RSB-29-R5-5	5	3/2/2022	<3.7	<74	<3.7	<3.7	<7.4	<3.7	<3.7	<3.7	<7.4	<3.7	<3.7	<3.7	ND
RSB-29-R5-15	15	3/2/2022	<4.5	<91	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RSB-29-R6-5	5	3/3/2022	<4.4	<88	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	ND
RSB-29-R6-15	15	3/3/2022	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-29-R7-5	5	3/2/2022	<6.4	<130	<6.4	<6.4	<13	<6.4	<6.4	<6.4	<13	<6.4	<6.4	<6.4	ND
RSB-29-R7-15	15	3/2/2022	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND

Table 3
Soil Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1,2,4-Trimethylbenzene	Acetone	Benzene	Ethylbenzene	m,p-Xylenes	Methylene Chloride	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Other Analyzed VOCs
Analytical Method			USEPA Method 8260B												
Unit			µg/kg												
DTSC Commercial/Industrial Soil SL			NS	NS	1,400	NS	NS	26,000	6,500	NS	NS	2,700	5,300,000	NS	varies
USEPA Industrial Soil RSL			1,800,000	1,100,000,000	5,100	25,000	2,400,000	1,000,000	8,600	2,800,000	6,500,000	100,000	47,000,000	6,000	varies
RSB-29-R8-15	15	3/2/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-29-R9-15	15	3/2/2022	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-30-1	1	12/21/2020	<1.0	NA	**2.7**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.6**	<1.0	ND
RSB-30-3	3	12/21/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-30-5	5	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-30-10	10	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-30-15	15	12/21/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-30-R4-5	5	3/4/2022	<6.0	<120	<6.0	<6.0	<12	<6.0	<6.0	<6.0	**14**	<6.0	<6.0	<6.0	ND
RSB-30-R4-15	15	3/4/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-30-R5-5	5	3/4/2022	<5.0	<100	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	ND
RSB-30-R5-15	15	3/4/2022	<6.9	<140	<6.9	<6.9	<14	<6.9	<6.9	<6.9	<14	<6.9	<6.9	<6.9	ND
RSB-30-R6-35	35	3/4/2022	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
RSB-38-1	1	12/29/2020	<1.0	NA	**1.5**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.3**	<1.0	ND
RSB-38-3	3	12/29/2020	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-38-5	5	12/29/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-38-R4-5	5	3/4/2022	<6.8	<140	<6.8	<6.8	<14	<6.8	<6.8	<6.8	<14	<6.8	<6.8	<6.8	ND
RSB-38-R4-15	15	3/4/2022	<6.4	<130	<6.4	<6.4	<13	<6.4	<6.4	<6.4	<13	<6.4	<6.4	<6.4	ND
RSB-38-R5-5	5	3/4/2022	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	**8.6**	<4.2	<4.2	<4.2	ND
RSB-38-R5-15	15	3/4/2022	<5.6	<110	<5.6	<5.6	<11	<5.6	<5.6	<5.6	**14**	<5.6	<5.6	<5.6	ND
RSB-38-R6-5	5	3/3/2022	<5.3	<110	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	ND
RSB-38-R6-15	15	3/3/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-38-R7-35	35	3/3/2022	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	ND
RSB-53-1	1	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-53-3	3	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-53-5	5	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-53-R8-5	5	3/3/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-53-R8-15	15	3/3/2022	<4.3	<86	<4.3	<4.3	<8.6	<4.3	<4.3	<4.3	<8.6	<4.3	<4.3	<4.3	ND
RSB-53-R9-5	5	3/2/2022	<6.4	<130	<6.4	<6.4	<13	<6.4	<6.4	<6.4	<13	<6.4	<6.4	<6.4	ND
RSB-53-R9-15	15	3/2/2022	<6.3	<130	<6.3	<6.3	<13	<6.3	<6.3	<6.3	**13**	<6.3	<6.3	<6.3	ND
RSB-53-R10-5	5	3/3/2022	<5.7	<110	<5.7	<5.7	<11	<5.7	<5.7	<5.7	**13**	<5.7	<5.7	<5.7	ND
RSB-53-R10-15	15	3/3/2022	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RSB-53-R11-5	5	3/3/2022	<4.8	<96	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	ND
RSB-53-R11-15	15	3/3/2022	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND

Table 3
Soil Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1,2,4-Trimethylbenzene	Acetone	Benzene	Ethylbenzene	m,p-Xylenes	Methylene Chloride	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Other Analyzed VOCs
Analytical Method			**USEPA Method 8260B**												
Unit			**µg/kg**												
DTSC Commercial/Industrial Soil SL			**NS**	**NS**	**1,400**	**NS**	**NS**	**26,000**	**6,500**	**NS**	**NS**	**2,700**	**5,300,000**	**NS**	**varies**
USEPA Industrial Soil RSL			**1,800,000**	**1,100,000,000**	**5,100**	**25,000**	**2,400,000**	**1,000,000**	**8,600**	**2,800,000**	**6,500,000**	**100,000**	**47,000,000**	**6,000**	**varies**
RSB-53-R12-15	15	3/3/2022	<4.8	<96	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	ND
RSB-53-R13-15	15	3/3/2022	<5.1	<100	<5.1	<5.1	<10	<5.1	<5.1	<5.1	<10	<5.1	<5.1	<5.1	ND
RSB-53-R14-35	35	3/3/2022	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
RSB-53-R15-15	15	3/3/2022	<5.1	<100	<5.1	<5.1	<10	<5.1	<5.1	<5.1	<10	<5.1	<5.1	<5.1	ND
RSB-53-R15-35	35	3/3/2022	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	ND
RSB-54-1	1	12/30/2020	<1.0	NA	**2.3**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	**53.8**	**1.0**	<1.0	ND
RSB-54-3	3	12/30/2020	<1.0	NA	**1.4**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-54-5	5	12/30/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	**29.3**	<1.0	<1.0	ND
RSB-54-E3-35	35	3/3/2022	<5.0	<100	<5.0	<5.0	<10	<5.0	<5.0	<5.0	**23**	<5.0	<5.0	<5.0	ND
RSB-54-E4-5	5	3/3/2022	<5.6	<110	<5.6	<5.6	<11	<5.6	<5.6	<5.6	**13**	<5.6	<5.6	<5.6	ND
RSB-54-E4-15	15	3/3/2022	<4.4	<88	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	ND
RSB-54-E4-35	35	3/3/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-54-NE-5	5	3/3/2022	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RSB-54-NE-15	15	3/3/2022	<4.0	<81	<4.0	<4.0	<8.1	<4.0	<4.0	<4.0	<8.1	<4.0	<4.0	<4.0	ND
RSB-54-NE-35	35	3/3/2022	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RSB-54-S2-5	5	3/3/2022	<7.6	<150	<7.6	<7.6	<15	<7.6	<7.6	<7.6	<15	<7.6	<7.6	<7.6	ND
RSB-54-S2-15	15	3/3/2022	<4.1	<82	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	ND
RSB-54-S2-35	35	3/3/2022	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-54-SE-5	5	3/3/2022	<6.1	<120	<6.1	<6.1	<12	<6.1	<6.1	<6.1	**17**	<6.1	<6.1	<6.1	ND
RSB-54-SE-15	15	3/3/2022	<4.5	<89	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	<8.9	<4.5	<4.5	<4.5	ND
RSB-54-SE-35	35	3/3/2022	<4.8	<96	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	ND
RSB-58-1	1	12/16/2020	<1.0	NA	**1.6**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.8**	<1.0	ND
RSB-58-3	3	12/16/2020	<1.0	NA	**1.0**	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.1**	<1.0	ND
RSB-58-5	5	12/16/2020	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<50	<1.0	**1.2**	<1.0	ND
RSB-58-S-1	1	11/3/2021	<4.5	<91	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RSB-58-S-3	3	11/3/2021	<4.2	<85	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RSB-58-S-5	5	11/3/2021	<5.2	<100	<5.2	<5.2	<10	<5.2	<5.2	<5.2	<10	<5.2	<5.2	<5.2	ND
RSB-58-W-1	1	11/3/2021	<4.1	<82	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	ND
RSB-58-W-3	3	11/3/2021	<4.5	<91	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RSB-58-W-5	5	11/3/2021	<5.3	<110	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	ND
RSB-60-1	1	12/28/2020	<1.0	NA	**4.9**	**1.1**	<2	<1.0	<1.0	<1.0	<50	<1.0	**2.6**	<1.0	ND
RSB-60-3	3	12/28/2020	<1.0	NA	<1.0	<1.0	<2	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND
RSB-60-5	5	12/28/2020	<1.0	NA	**1.2**	<1.0	<2	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	ND

Table 3
Soil Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1,2,4-Trimethylbenzene	Acetone	Benzene	Ethylbenzene	m,p-Xylenes	Methylene Chloride	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Other Analyzed VOCs
Analytical Method			**USEPA Method 8260B**												
Unit			**µg/kg**												
DTSC Commercial/Industrial Soil SL			**NS**	**NS**	**1,400**	**NS**	**NS**	**26,000**	**6,500**	**NS**	**NS**	**2,700**	**5,300,000**	**NS**	**varies**
USEPA Industrial Soil RSL			**1,800,000**	**1,100,000,000**	**5,100**	**25,000**	**2,400,000**	**1,000,000**	**8,600**	**2,800,000**	**6,500,000**	**100,000**	**47,000,000**	**6,000**	**varies**
RSB-60-R5-5	5	3/4/2022	<4.7	<94	<4.7	<4.7	<9.4	<4.7	<4.7	<4.7	**19**	<4.7	<4.7	<4.7	ND
RSB-60-R5-15	15	3/4/2022	<3.9	<78	<3.9	<3.9	<7.8	<3.9	<3.9	<3.9	<7.8	<3.9	<3.9	<3.9	ND
RSB-60-R6-5	5	3/4/2022	<4.4	<88	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	ND
RSB-60-R6-15	15	3/4/2022	<4.6	<93	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	ND
RSB-60-R8-15	15	3/4/2022	<3.8	<77	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	**8.1**	<3.8	<3.8	<3.8	ND
RSB-60-R8-35	35	3/4/2022	<2.4	<48	<2.4	<2.4	<4.8	<2.4	<2.4	<2.4	<4.8	<2.4	<2.4	<2.4	ND
RSB-70-W-1	1	11/3/2021	<4.2	<83	<4.2	<4.2	<8.3	<4.2	<4.2	<4.2	<8	<4.2	<4.2	<4.2	ND
RSB-70-W-3	3	11/3/2021	<5.6	<110	<5.6	<5.6	<11.0	<5.6	<5.6	<5.6	<11.0	<5.6	<5.6	<5.6	ND
RSB-70-W-5	5	11/3/2021	<4.8	<96	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	<9.6	<4.8	<4.8	<4.8	ND
RSB-70-E-1	1	11/3/2021	<5.2	<100	<5.2	<5.2	<10.0	<5.2	<5.2	<5.2	<10.0	<5.2	<5.2	<5.2	ND
RSB-70-E-3	3	11/3/2021	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
RSB-70-E-5	5	11/3/2021	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	ND
SB-1-1	1	11/4/2021	<5.1	<100	<5.1	<5.1	<10.0	<5.1	<5.1	<5.1	**13.0**	<5.1	<5.1	<5.1	ND
SB-1-3	3	11/4/2021	<6.0	<120	<6.0	<6.0	<12.0	<6.0	<6.0	<6.0	<12.0	<6.0	<6.0	<6.0	ND
SB-2-1	1	11/4/2021	<5.0	<100	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	ND
SB-2-3	3	11/4/2021	<13.0	<260	<13.0	<13.0	<26.0	<13.0	<13.0	<13.0	**28.0**	<13.0	<13.0	<13.0	ND
SB-3-1	1	11/4/2021	<5.4	<110	**6.2**	<5.4	<11.0	<5.4	<5.4	<5.4	<11.0	<5.4	<5.4	<5.4	ND
SB-3-3	3	11/4/2021	<5.4	<110	<5.4	<5.4	<11.0	<5.4	<5.4	<5.4	<11.0	<5.4	<5.4	<5.4	ND
RR-1-.5	0.5	11/8/2021	<4.2	<85	<4.2	<4.2	<8.5	<4.2	**5.0**	<4.2	<8.5	<4.2	<4.2	<4.2	ND
RR-1-1.5	1.5	11/8/2021	<5.3	<110	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	ND
RR-2-.5	0.5	11/8/2021	<6.6	<130	<6.6	<6.6	<13	<6.6	<6.6	<6.6	<13	<6.6	<6.6	<6.6	ND
RR-2-1.5	1.5	11/8/2021	<4.5	<91	<4.5	<4.5	<9	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RR-3-.5	0.5	11/8/2021	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RR-3-1.5	1.5	11/8/2021	<5.6	<110	<5.6	<5.6	<11	<5.6	<5.6	<5.6	<11	<5.6	<5.6	<5.6	ND
RR-4-.5	0.5	11/8/2021	<4.5	<91	<4.5	<4.5	<9	<4.5	<4.5	<4.5	<9.1	<4.5	<4.5	<4.5	ND
RR-4-1.5	1.5	11/8/2021	<6.9	<140	<6.9	<6.9	<14	<6.9	<6.9	<6.9	**19**	<6.9	<6.9	<6.9	ND
RR-5-.5	0.5	11/8/2021	<14	<280	<14	<14	<28	<14	<14	<14	<28	<14	<14	<14	ND
RR-5-1.5	1.5	11/8/2021	<3.5	<70	<3.5	<3.5	<7	<3.5	<3.5	<3.5	<7.0	<3.5	<3.5	<3.5	ND
RR-6-.5	0.5	11/8/2021	<5.1	<100	<5.1	<5.1	<10	<5.1	**27**	<5.1	<10	<5.1	<5.1	<5.1	ND
RR-6-1.5	1.5	11/8/2021	<5.7	<110	<5.7	<5.7	<11	<5.7	<5.7	<5.7	<11	<5.7	<5.7	<5.7	ND
RR-7-.5	0.5	11/8/2021	<9.6	**220**	<9.6	<9.6	<19	<9.6	<9.6	<9.6	**44**	<9.6	<9.6	<9.6	ND
RR-7-1.5	1.5	11/8/2021	<6.3	**180**	<6.3	<6.3	<13	<6.3	<6.3	<6.3	**31**	<6.3	<6.3	<6.3	ND
RR-8-.5	0.5	11/8/2021	<5.7	**150**	<5.7	<5.7	<11	<5.7	**24**	<5.7	<11	<5.7	<5.7	<5.7	ND

Table 3
Soil Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1,2,4-Trimethylbenzene	Acetone	Benzene	Ethylbenzene	m,p-Xylenes	Methylene Chloride	Naphthalene	o-Xylene	tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Other Analyzed VOCs
Analytical Method			USEPA Method 8260B												
Unit			µg/kg												
DTSC Commercial/Industrial Soil SL			NS	NS	1,400	NS	NS	26,000	6,500	NS	NS	2,700	5,300,000	NS	varies
USEPA Industrial Soil RSL			1,800,000	1,100,000,000	5,100	25,000	2,400,000	1,000,000	8,600	2,800,000	6,500,000	100,000	47,000,000	6,000	varies
RR-8-1.5	1.5	11/8/2021	<8.1	**190**	<8.1	<8.1	<16	<8.1	**69**	<8.1	**24**	<8.1	<8.1	<8.1	ND
RR-9-.5	0.5	11/8/2021	<7.4	<150	<7.4	<7.4	<15	<7.4	**8.9**	<7.4	<15	<7.4	<7.4	<7.4	ND
RR-9-1.5	1.5	11/8/2021	<5.0	<100	<5.0	<5.0	<10	<5.0	<5.0	<5.0	**12**	<5.0	<5.0	<5.0	ND
RR-10-.5	0.5	11/8/2021	<5.3	<110	<5.3	<5.3	<11	<5.3	**7.4**	<5.3	**13**	<5.3	<5.3	<5.3	ND
RR-10-1.5	1.5	11/8/2021	<6.1	<120	<6.1	<6.1	<12	<6.1	<6.1	<6.1	<12	<6.1	<6.1	<6.1	ND
RR-11-.5	1	11/8/2021	<5.7	<110	<5.7	<5.7	<11	<5.7	<5.7	<5.7	<11	<5.7	<5.7	<5.7	ND
RR-11-1.5	1.5	11/8/2021	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RR-12-.5	0.5	11/8/2021	<6.4	**140**	<6.4	<6.4	<13	<6.4	**22**	<6.4	<13	<6.4	<6.4	<6.4	ND
RR-12-1.5	1.5	11/8/2021	<6.1	<120	<6.1	<6.1	<12	<6.1	**52**	<6.1	<12	<6.1	<6.1	<6.1	ND
RR-13-.5	0.5	11/8/2021	<7.1	<140	<7.1	<7.1	<14	<7.1	<7.1	<7.1	<14	<7.1	<7.1	<7.1	ND
RR-13-1.5	1.5	11/8/2021	<5.7	<110	<5.7	<5.7	<11	<5.7	<5.7	<5.7	<11	<5.7	<5.7	<5.7	ND
RR-14-.5	0.5	11/8/2021	<7.4	<150	<7.4	<7.4	<15	<7.4	**71**	<7.4	**22**	<7.4	<7.4	<7.4	ND
RR-14-1.5	1.5	11/8/2021	<6.4	<130	<6.4	<6.4	<13	<6.4	**57**	<6.4	**25**	<6.4	<6.4	<6.4	ND
RR-15-.5	0.5	11/8/2021	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RR-15-1.5	1.5	11/8/2021	<5.8	<120	<5.8	<5.8	<12	<5.8	<5.8	<5.8	**14**	<5.8	<5.8	<5.8	ND
RR-16-.5	0.5	11/8/2021	<5.2	<100	<5.2	<5.2	<10	<5.2	<5.2	<5.2	<10	<5.2	<5.2	<5.2	ND
RR-16-1.5	1.5	11/8/2021	<5.4	<110	<5.4	<5.4	<11	<5.4	<5.4	<5.4	<11	<5.4	<5.4	<5.4	ND
RR-17-.5	0.5	11/8/2021	<16	<310	<16	<16	<31	<16	<16	<16	<31	<16	<16	<16	ND
RR-17-1.5	1.5	11/8/2021	<4.9	<98	<4.9	<4.9	<9.8	<4.9	<4.9	<4.9	**10**	<4.9	<4.9	<4.9	ND
RR-18-.5	0.5	11/8/2021	<5.6	<110	<5.6	<5.6	<11	<5.6	<5.6	<5.6	**12**	<5.6	<5.6	<5.6	ND
RR-18-1.5	1.5	11/8/2021	<5.0	**400**	<5.0	<5.0	<10	**1,200**	<5.0	<5.0	<10	<5.0	<5.0	<5.0	ND
RR-19-.5	0.5	11/8/2021	<6.1	<120	<6.1	<6.1	<12	<6.1	<6.1	<6.1	<12	<6.1	<6.1	<6.1	ND
RR-19-1.5	1.5	11/8/2021	<6.9	<140	<6.9	<6.9	<14	<6.9	<6.9	<6.9	**14**	<6.9	<6.9	<6.9	ND

Notes:
ft bgs = feet below ground surface
Shading indicates data collected by Ramboll
µg/kg = micrograms per kilogram
USEPA = United States Environmental Protection Agency
USEPA Industrial Soil RSL = USEPA Regional Screening Level for Industrial Soil (May 2022)
DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)
NS = No standard established
NA = Not Analyzed
ND = Not detected above laboratory reporting limits
Bold indicates that value exceeds laboratory reporting limit
<X = analyte not detected above laboratory reporting limit
Lowest of the cancer and non-cancer endpoint screening levels are listed

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		DTSC Note 3 Commercia/Industrial SLs	NS	500	18,000
RSB-03-1	1	1/7/2021	<0.2	**9,230**	**11,000**
RSB-03-3	3	1/7/2021	<0.2	<10	<10
RSB-03-5	5	1/7/2021	<0.2	<10	<10
RSB-03-N-1	1	1/26/2021	<0.2	**48.8**	**348**
RSB-03-N-3	3	1/26/2021	<0.2	**138**	**4,140**
RSB-03-W-1	1	1/26/2021	<0.2	**113**	**141**
RSB-03-W-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-03-E-1	1	1/26/2021	<0.2	**2,520**	**4,920**
RSB-03-E-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-03-S-1	1	1/27/2021	<0.2	**811**	**1,110**
RSB-03-S-3	3	1/27/2021	<0.2	<1.0	<1.0
RSB-3-R1-1	1	11/5/2021	<2.1	**5,700**	**4,900**
RSB-3-R1-3	3	11/5/2021	NA	**850**	NA
RSB-3-R2-1	1	11/5/2021	<2.9	**2,900**	**1,300**
RSB-3-R2-3	3	11/5/2021	NA	**650**	NA
RSB-3-R3-1	1	11/5/2021	<3.3	**650**	**440**
RSB-3-R3-3	3	11/5/2021	NA	**560**	NA
RSB-3-R4-1	1	11/5/2021	<2.6	**740**	**460**
RSB-3-R4-3	3	11/5/2021	NA	**660**	NA
RSB-3-R5-1	1	11/5/2021	<2.8	**4,500**	**3,700**
RSB-3-R5-3	3	11/5/2021	NA	**370**	NA
RSB-05-1	1	12/18/2020	<0.2	**2,210**	**1,810**
RSB-05-3	3	12/18/2020	<0.2	<1.0	<1.0
RSB-05-5	5	12/18/2020	<0.2	<1.0	<1.0
RSB-05-N-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-05-W-1	1	1/26/2021	<0.2	<1.0	<1.0
RSB-05-W-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-05-E-1	1	1/26/2021	<0.2	<1.0	<1.0
RSB-05-E-3	3	1/26/2021	<0.2	<1.0	<1.0
RSB-05-S-1	1	1/26/2021	<0.2	**672**	**607**
RSB-05-S-3	3	1/26/2021	<0.2	**6,000**	**7,310**
RSB-05-SCL-0.5	0.5	2/11/2021	NA	<10	NA
RSB-05-SCL-3	3	2/11/2021	NA	<10	NA
RSB-05-SCL-5	5	2/11/2021	NA	<10	NA
RSB-05-SCL-10	10	2/11/2021	NA	<10	NA

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		DTSC Note 3 Commercia/Industrial SLs	NS	500	18,000
RSB-05-SSW-0.5	0.5	2/11/2021	NA	**1,800**	NA
RSB-05-SSW-3	3	2/11/2021	NA	<10	NA
RSB-05-SSW-5	5	2/11/2021	NA	<10	NA
RSB-05-SSW-10	10	2/11/2021	NA	<10	NA
RSB-05-SSE-0.5	0.5	2/11/2021	NA	**1,040**	NA
RSB-05-SSE-3	3	2/11/2021	NA	<10	NA
RSB-05-SSE-5	5	2/11/2021	NA	<10	NA
RSB-05-SSE-10	10	2/11/2021	NA	<10	NA
RSB-05-S2-0.5	0.5	2/11/2021	NA	**7,590**	NA
RSB-05-S2-3	3	2/11/2021	NA	<10	NA
RSB-05-S2-5	5	2/11/2021	NA	<10	NA
RSB-05-S2-10	10	2/11/2021	NA	<10	NA
RSB-05-R1-1	1	11/4/2021	<2.6	**2,300**	**850**
RSB-05-R1-3	3	11/4/2021	NA	<10	NA
RSB-05-R2-1	1	11/4/2021	<2.4	**2,200**	**1,300**
RSB-05-R2-3	3	11/4/2021	NA	**20**	NA
RSB-05-R3-1	1	11/4/2021	<3.0	**1,000**	**350**
RSB-05-R3-3	3	11/4/2021	NA	<10	NA
RSB-05-R4-1	1	11/4/2021	<3.2	**440**	<10
RSB-05-R5-5	5	11/4/2021	<2.9	<10	<10
RSB-05-R6-1	1	11/4/2021	<2.2	**3,100**	**2,200**
RSB-05-R7-1	1	11/4/2021	<2.5	**52**	**19**
RSB-58-1	1	12/16/2020	<0.2	<1.0	<1.0
RSB-58-3	3	12/16/2020	<0.2	<1.0	<1.0
RSB-58-6	5	12/16/2020	<0.2	<1.0	<1.0
RSB-58-S-1	1	11/3/2021	<2.7	**19**	**32**
RSB-58-S-3	3	11/3/2021	<2.8	<10	<10
RSB-58-S-5	5	11/3/2021	<3.2	<10	<10
RSB-58-W-1	1	11/3/2021	<2.1	**13**	**26**
RSB-58-W-3	3	11/3/2021	<2.7	<10	<10
RSB-58-W-5	5	11/3/2021	<2.9	<10	<10
RSB-70-W-1	1	11/3/2021	<3.7	**90**	**170**
RSB-70-W-3	3	11/3/2021	<2.9	<10	<10
RSB-70-W-5	5	11/3/2021	<2.8	<10	<10
RSB-70-E-1	1	11/3/2021	<3.0	**150**	**250**

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
		Analytical Method	USEPA Method 8015B		
		Unit	mg/kg		
		DTSC Note 3 Commercia/Industrial SLs	NS	500	18,000
RSB-70-E-3	3	11/3/2021	<3.0	**17**	**32**
RSB-70-E-5	5	11/3/2021	<2.8	<10	<10
SB-1-1	1	11/4/2021	<3.1	<200	**820**
SB-1-3	3	11/4/2021	<3.3	<10	<10
SB-2-1	1	11/4/2021	<2.8	**32**	**65**
SB-2-3	3	11/4/2021	<3.6	**37**	**34**
SB-3-1	1	11/4/2021	<4.5	**17**	**53**
SB-3-3	3	11/4/2021	<3.0	**110**	**200**
SB-4-1	1	11/5/2021	<2.6	**49**	**18**
SB-4-3	3	11/5/2021	<2.6	<10	<10
RR-1-.5	0.5	11/8/2021	<2.7	**170**	**520**
RR-1-1.5	1.5	11/8/2021	<3.2	**220**	**660**
RR-2-.5	0.5	11/8/2021	<2.8	**610**	**2,500**
RR-2-1.5	1.5	11/8/2021	<3.4	**370**	**1,200**
RR-3-.5	0.5	11/8/2021	<1.9	**1,000**	**930**
RR-3-1.5	1.5	11/8/2021	<2.8	**720**	**570**
RR-4-.5	0.5	11/8/2021	<3.3	**880**	**840**
RR-4-1.5	1.5	11/8/2021	<2.5	**45**	**41**
RR-5-.5	0.5	11/8/2021	<2.9	**1,700**	**1,000**
RR-5-1.5	1.5	11/8/2021	<2.8	**420**	**260**
RR-6-.5	0.5	11/8/2021	<2.7	**970**	**850**
RR-6-1.5	1.5	11/8/2021	<3.1	**58**	**54**
RR-7-.5	0.5	11/8/2021	<3.3	**130**	**250**
RR-7-1.5	1.5	11/8/2021	<3.9	**530**	**990**
RR-8-.5	0.5	11/8/2021	<3.3	**2,700**	**2,400**
RR-8-1.5	1.5	11/8/2021	<3.4	**420**	**260**
RR-9-.5	0.5	11/8/2021	<3.9	**1,300**	**3,200**
RR-9-1.5	1.5	11/8/2021	<2.9	**1,300**	**2,100**
RR-10-.5	0.5	11/8/2021	<3.3	**180**	**480**
RR-10-1.5	1.5	11/8/2021	<3.5	<10	<10
RR-11-.5	0.5	11/8/2021	<3.6	**340**	**330**
RR-11-1.5	1.5	11/8/2021	<4.7	**130**	**130**
RR-12-.5	0.5	11/8/2021	<3.1	**400**	**370**
RR-12-1.5	1.5	11/8/2021	<2.8	**300**	**260**
RR-13-.5	0.5	11/8/2021	<3.4	**15**	**25**

Table 4
Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	GRO C6-C10	DRO C10-C28	ORO C28-C44
Analytical Method			USEPA Method 8015B		
Unit			mg/kg		
DTSC Note 3 Commercia/Industrial SLs			NS	500	18,000
RR-13-1.5	1.5	11/8/2021	<4.3	<10	<10
RR-14-.5	0.5	11/8/2021	<4.9	**480**	**1,400**
RR-14-1.5	1.5	11/8/2021	<3.2	**760**	**2,200**
RR-15-.5	0.5	11/8/2021	<3.6	<10	<10
RR-15-1.5	1.5	11/8/2021	<3.6	<10	<10
RR-16-.5	0.5	11/8/2021	<3.1	<10	<10
RR-16-1.5	1.5	11/8/2021	<3.2	<10	<10
RR-17-.5	0.5	11/8/2021	<7.5	**190**	**130**
RR-17-1.5	1.5	11/8/2021	<3.7	**910**	**280**
RR-18-.5	0.5	11/8/2021	<3.2	<10	<10
RR-18-1.5	1.5	11/8/2021	<3.0	<10	<10
RR-19-.5	0.5	11/8/2021	<3.9	**36**	**53**
RR-19-1.5	1.5	11/8/2021	<3.6	**16**	**22**

Notes:
ft bgs = feet below ground surface
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics
SFBRWQCB = San Francisco Regional Water Quality Control Board
SFBRWQCB ESL = USEPA Regional Screening Level for Commercial/Industrial Soil (2019)
Bold indicates that value exceeds laboratory reporting limit
Italics indicate sample is a duplicate
<X = analyte not detected above laboratory reporting limit
NA = Not applicable
Shading indicates data collected by Ramboll
Cells highlighted in orange exceed the RSL

Table 5
Soil Analytical Results - Polychlorinated Biphenyls (PCBs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Aroclor-1242	Aroclor-1260	Other Analyzed PCBs
		Analytical Method	USEPA Method 8082		
		Unit	mg/kg		
		USEPA Industrial Soil RSL	0.95	0.99	varies
		DTSC Commercial/Industrial Soil SL	0.58	0.60	varies
RR-1-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-1-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-2-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-2-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-3-.5	0.5	11/8/2021	**130**	<0.050	ND
RR-3-1.5	1.5	11/8/2021	**170**	<0.100	ND
RR-4-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-4-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-7-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-7-1.5	1.5	11/8/2021	<0.050	**0.13**	ND
RR-9-.5	0.5	11/8/2021	<0.050	**0.22**	ND
RR-9-1.5	1.5	11/8/2021	<0.050	**0.32**	ND
RR-12-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-12-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-13-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-13-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-15-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-15-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-17-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-17-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-18-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-18-1.5	1.5	11/8/2021	<0.050	<0.050	ND
RR-19-.5	0.5	11/8/2021	<0.050	<0.050	ND
RR-19-1.5	1.5	11/8/2021	<0.050	<0.050	ND

Notes:

ft bgs = feet below ground surface

USEPA = United States Environmental Protection Agency

µg/kg = micrograms per kilogram

USEPA Industrial Soil RSL = USEPA Regional Screening Level for Industrial Soil (May 2021)

DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)

Bold indicates that value exceeds laboratory reporting limit

<X = analyte not detected above laboratory reporting limit

Cells highlighted in orange exceed either one or both SLs

ND = Not detected above laboratory reporting limits

Table 6
Soil Analytical Results - Organochlorine Pesticides (OCPs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Endrin Ketone	Other Analyzed OCPs
		Analytical Method	**USEPA Method 8081A**	
		Unit	**µg/kg**	
		USEPA Industrial Soil RSL	NS	NS
		DTSC Commercial/Industrial Soil SL	NS	NS
RR-1-.5	0.5	11/8/2021	<25	ND
RR-1-1.5	1.5	11/8/2021	<5.0	ND
RR-2-.5	0.5	11/8/2021	<50	ND
RR-2-1.5	1.5	11/8/2021	<50	ND
RR-3-.5	0.5	11/8/2021	<5.0	ND
RR-3-1.5	1.5	11/8/2021	<10	ND
RR-4-.5	0.5	11/8/2021	<10	ND
RR-4-1.5	1.5	11/8/2021	<5.0	ND
RR-7-.5	0.5	11/8/2021	**11**	ND
RR-7-1.5	1.5	11/8/2021	<10	ND
RR-9-.5	0.5	11/8/2021	<50	ND
RR-9-1.5	1.5	11/8/2021	<50	ND
RR-12-.5	0.5	11/8/2021	<5.0	ND
RR-12-1.5	1.5	11/8/2021	<5.0	ND
RR-13-.5	0.5	11/8/2021	<5.0	ND
RR-13-1.5	1.5	11/8/2021	<5.0	ND
RR-15-.5	0.5	11/8/2021	<5.0	ND
RR-15-1.5	1.5	11/8/2021	<5.0	ND
RR-17-.5	0.5	11/8/2021	<5.0	ND
RR-17-1.5	1.5	11/8/2021	<5.0	ND
RR-18-.5	0.5	11/8/2021	<5.0	ND
RR-18-1.5	1.5	11/8/2021	<5.0	ND
RR-19-.5	0.5	11/8/2021	<5.0	ND
RR-19-1.5	1.5	11/8/2021	<5.0	ND

Notes:
ft bgs = feet below ground surface
µg/kg = micrograms per kilogram
USEPA = United States Environmental Protection Agency
USEPA Industrial Soil RSL = USEPA Regional Screening Level for Commercial/Industrial Soil (May 2021)
DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)
NS = No standard established
Bold indicates that value exceeds laboratory reporting limit
ND = Not detected above laboratory reporting limits
<X = analyte not detected above laboratory reporting limit

Table 7
Soil Analytical Results - Semi-Volatile Organic Compounds (SVOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Carbazole	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Other Analyzed SVOCs
Analytical Method			**USEPA Method 8270C**																		
Unit			**µg/kg**																		
USEPA Industrial Soil RSL			**73,000**	**3,000,000**	**45,000,000**	**230,000,000**	**21,000**	**2,100**	**21,000**	**NS**	**210,000**	**NS**	**2,100,000**	**1,200,000**	**30,000,000**	**30,000,000**	**21,000**	**8,600**	**NS**	**23,000,000**	**varies**
DTSC Commercial/Industrial Soil SL			**30,000**	**1,300,000**	**23,000,000**	**130,000,000**	**12,000**	**1,300**	**13,000**	**NS**	**130,000**	**NS**	**1,300,000**	**650,000**	**18,000,000**	**17,000,000**	**13,000**	**6,500**	**NS**	**13,000,000**	**varies**
RR-1-.5	0.5	11/8/2021	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	**5.0**	<10,000	<10,000	ND
RR-1-1.5	1.5	11/8/2021	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<5.3	<25,000	<25,000	ND
RR-2-.5	0.5	11/8/2021	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	<6.6	<50,000	<50,000	ND
RR-2-1.5	1.5	11/8/2021	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<4.5	<25,000	<25,000	ND
RR-3-.5	0.5	11/8/2021	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<5.4	<500	<500	ND
RR-3-1.5	1.5	11/8/2021	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	**1,700**	<5,000	<5,000	<5.6	<5,000	**1,500**	ND
RR-4-.5	0.5	11/8/2021	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<4.5	<5,000	<5,000	ND
RR-4-1.5	1.5	11/8/2021	<250	<250	<250	<250	**42**	<250	<250	**58**	<250	<250	**55**	<250	**140**	<250	<250	<6.9	<250	**160**	ND
RR-7-.5	0.5	11/8/2021	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	**1,500**	<5,000	<5,000	<9.6	<5,000	**1,400**	ND
RR-7-1.5	1.5	11/8/2021	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<20,000	<6.3	<20,000	<20,000	ND
RR-9-.5	0.5	11/8/2021	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	**8.9**	<25,000	<25,000	ND
RR-9-1.5	1.5	11/8/2021	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<25,000	<5.0	<25,000	<25,000	ND
RR-12-.5	0.5	11/8/2021	**740**	**1,400**	**3,200**	**4,400**	**2,200**	**670**	**1,000**	**260**	**760**	**1,300**	**2,300**	**2,300**	**9,100**	**3,000**	**260**	**22**	**11,000**	**5,800**	ND
RR-12-1.5	1.5	11/8/2021	**920**	**1,800**	**3,500**	**2,700**	**6,000**	**1,800**	**3,400**	**960**	**2,300**	**580**	**6,400**	**2,100**	**18,000**	**2,400**	**860**	**52**	**6,100**	**17,000**	ND
RR-13-.5	0.5	11/8/2021	<250	<250	**110**	<250	**520**	**1,000**	**660**	**930**	**850**	<250	**630**	<250	**360**	<250	**920**	<7.1	**83**	**480**	ND
RR-13-1.5	1.5	11/8/2021	<250	<250	<250	<250	**62**	**130**	**79**	**110**	**100**	<250	**74**	<250	<250	<250	**110**	<5.7	<250	**55**	ND
RR-15-.5	0.5	11/8/2021	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<5.4	<250	<250	ND
RR-15-1.5	1.5	11/8/2021	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<5.8	<250	<250	ND
RR-17-.5	0.5	11/8/2021	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<16	<1,000	<1,000	ND
RR-17-1.5	1.5	11/8/2021	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<4.9	<2,500	<2,500	ND
RR-18-.5	0.5	11/8/2021	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<5.6	<250	<250	ND
RR-18-1.5	1.5	11/8/2021	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<5.0	<250	<250	ND
RR-19-.5	0.5	11/8/2021	<250	<250	<250	<250	**140**	**160**	**140**	**130**	**140**	<250	**220**	<250	**210**	<250	**130**	<6.1	**130**	**220**	ND
RR-19-1.5	1.5	11/8/2021	<250	<250	<250	<250	**43**	**45**	<250	**56**	<250	<250	**62**	<250	<250	<250	<250	<6.9	<250	<250	ND

Notes:
ft bgs = feet below ground surface
USEPA = United States Environmental Protection Agency
µg/kg = micrograms per kilogram
USEPA Industrial Soil RSL = USEPA Regional Screening Level for Industrial Soil (May 2021)
DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)
NS = No standard established
Bold indicates that value exceeds laboratory reporting limit
<X = analyte not detected above laboratory reporting limit
Cells highlighted in orange exceed either one or both SLs
ND = Not detected above laboratory reporting limits
Lowest of the cancer and non-cancer endpoint screening levels are listed

Table 8

Soil Analytical Results - Chlorinated Herbicides

12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft bgs)	Date Sampled	Pentachlorophenol (PCP)	Other Chlorinated Herbicides
		Analytical Method	USEPA Method 8151A	
		Unit	µg/kg wet	
USEPA Commercial/Industrial Soil RSL			4000	varies
DTSC Commercial/ Industrial Soil RSL			2000	varies
RR-1-.5	0.5	11/8/2021	<100	ND
RR-1-1.5	1.5	11/8/2021	<100	ND
RR-2-.5	0.5	11/8/2021	<100	ND
RR-2-1.5	1.5	11/8/2021	<100	ND
RR-3-.5	0.5	11/8/2021	<10.0	ND
RR-3-1.5	1.5	11/8/2021	<10.0	ND
RR-4-.5	0.5	11/8/2021	**52.6**	ND
RR-4-1.5	1.5	11/8/2021	**14.5**	ND
RR-7-.5	0.5	11/8/2021	<50.0	ND
RR-7-1.5	1.5	11/8/2021	<100	ND
RR-9-.5	0.5	11/8/2021	<100	ND
RR-9-1.5	1.5	11/8/2021	<50.0	ND
RR-12-.5	0.5	11/8/2021	<50.0	ND
RR-12-1.5	1.5	11/8/2021	**10.2**	ND
RR-13-.5	0.5	11/8/2021	<20.0	ND
RR-13-1.5	1.5	11/8/2021	<10.0	ND
RR-15-.5	0.5	11/8/2021	<10.0	ND
RR-15-1.5	1.5	11/8/2021	<10.0	ND
RR-17-.5	0.5	11/8/2021	<20.0	ND
RR-17-1.5	1.5.	11/8/2021	<10.0	ND
RR-18-.5	0.5	11/8/2021	<10.0	ND
RR-18-1.5	1.5	11/8/2021	<10.0	ND
RR-19-.5	0.5	11/8/2021	<10.0	ND
RR-19-1.5	1.5	11/8/2021	<10.0	ND

Notes:

USEPA = United States Environmental Protection Agency

µg/kg = micrograms per kilogram

Bold indicates that value exceeds laboratory reporting limit

Italics indicate sample is a duplicate

<X = analyte not detected above laboratory reporting limit

Cells highlighted in orange exceed both SLs

DTSC Commercial/Industrial Soil SL = California Department of Toxic Substances Control (DTSC) Human and Ecological
Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Level for Commercial/Industrial Soil (June 2020)

USEPA Commercial/Industrial Soil RSL = USEPA Regional Screening Level for Commercial/Industrial Soil (May 2021)

Bold indicates that value exceeds laboratory reporting limit

ND = Not detected above laboratory reporting limits

Table 9
Soil Vapor Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft)	Date Sampled	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	2-Hexanone	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Freon 113	Freon 12	Isopropanol (IPA)	m,p-Xylenes	Methylene Chloride	n-Hexane	o-Xylene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Xylene (total)	Other Analyzed VOCs
Analytical Method			USEPA Method TO-15																												
Unit			µg/m³																												
USEPA Industrial Indoor Air RSL			NS	260	260	22,000	130	NS	13,000	NS	1.6	3,100	2	0.53	390	180	4.9	22,000	440	880	440	1,200	3,100	440	4,400	47	22,000	3	NS	440	Varies
DTSC Industrial Indoor Air SL			310	NS	NS	NS	NS	NS	NS	NS	0.42	NS	2	NS	NS	35	NS	NS	NS	NS	NS	12	NS	NS	3,900	2	1,300	3*	5,300	NS	Varies
USEPA Industrial Indoor Air RSL (AF=0.03)			NS	8667	8667	733,333	4,333	NS	433,333	NS	53	103,333	67	18	13,000	6,000	163	733,333	14,667	29,333	14,667	40,000	103,333	14,667	146,667	1,567	733,333	100	NS	14,667	Varies
DTSC Industrial Indoor Air SL (AF=0.03)			10333	NS	NS	NS	NS	NS	NS	NS	14	NS	67	NS	NS	1,167	NS	NS	NS	NS	NS	400	NS	NS	130,000	67	43,333	100*	176,667	NS	Varies
RSB-28-5	5	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	**20**	NA	NA	<13	NA	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	<13	<13	NA	NA	ND
RSB-28-15	15	11/4/2021	<380	<470	<470	<1,400	<980	<470	<390	<1,100	**71**	<300	<600	<470	<200	<380	<420	<740	<470	<1,200	**30**	**95**	**5,800**	<420	<410	**190**	<360	<520	<540	**30**	ND
RSB-28-15-DUP	15	11/4/2021	<380	<470	<470	<1,400	<980	<470	<390	<1,100	**66**	<300	<600	<470	<200	<380	<420	<740	<470	<1,200	**30**	**100**	**6,000**	<420	<410	**200**	<360	<520	<540	**30**	ND
RSB-28-30	30	1/6/2021	NA	NA	<13	NA	NA	NA	NA	NA	**10**	NA	NA	<13	NA	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	NA	<13	<13	NA	NA	ND
RSB-28-R1-5	5	11/4/2021	<380	<470	<470	<1,400	<980	<470	<390	<1,100	**130**	<300	<600	<470	<200	<380	<420	<740	<470	<1,200	**47**	**98**	**8,400**	<420	<410	**210**	<360	<520	<540	**47**	ND
RSB-28-R2-5	5	11/4/2021	<480	<590	<590	<1,800	<1,200	<590	<490	<1,400	**190**	<370	<750	<590	<250	<480	<520	<920	<590	<1,500	**55**	**170**	**11,000**	<520	<510	**250**	**130**	<640	<670	**55**	ND
RSB-28-R3-5	5	11/4/2021	<240	<290	<290	<880	<610	<290	<250	<710	**170**	<190	<380	<290	<120	<240	<260	<460	<300	<740	**31**	**73**	**18,000**	<260	<260	**160**	<230	<320	<340	**31**	ND
RSB-28-R4-5	5	3/7/2022	<1.2	**<1.5**	<1.5	<4.4	<3.1	<1.5	<1.2	**13**	<1.0	**1.0**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.4**	**5.8**	<2.6	<1.0	<1.1	<1.3	<1.3	**11.0**	<1.1	<1.6	**2.6**	<1.3	ND
RSB-28-R4-15	15	3/7/2022	<1.2	<1.5	<1.5	**6.9**	<3.1	<1.5	**4.2**	**17**	**3.2**	**25**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.4**	**6.5**	<2.6	<1.0	**1.5**	<1.3	<1.3	**6.7**	**3.8**	<1.6	**2.5**	<1.3	ND
RSB-28-R5-5	5	3/7/2022	<1.2	<1.5	<1.5	**4.6**	<3.1	<1.5	<1.2	**10**	**1.7**	**3.3**	<1.9	**1.9**	<0.6	<1.2	<1.3	<2.3	**2.2**	**3.7**	<2.6	<1.0	**1.1**	<1.3	<1.3	**6.5**	**4.7**	<1.6	<1.7	<1.3	ND
RSB-28-R5-15	15	3/7/2022	<1.2	<1.5	<1.5	**8.7**	<3.1	<1.5	<1.2	**14**	**1.5**	**3.3**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.1**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**16**	**2.1**	<1.6	<1.7	<1.3	ND
RSB-28-R6-5	5	3/7/2022	<1.2	<1.5	<1.5	**5.8**	<3.1	<1.5	<1.2	**9.8**	**1.1**	**6.3**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**61**	**4.3**	<1.6	<1.7	<1.3	ND
RSB-28-R6-15	15	3/7/2022	<1.2	**1.9**	<1.5	**11**	<3.1	<1.5	**3.5**	**14**	**2.8**	**12**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.2**	**4.0**	<2.6	<1.0	**1.3**	<1.3	<1.3	**81**	**7.2**	<1.6	<1.7	<1.3	ND
RSB-28-R7-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**11**	<1.0	**1.2**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**9.7**	<1.1	<1.6	<1.7	<1.3	ND
RSB-28-R7-15	15	3/7/2022	<1.2	**3.4**	<1.5	**11**	<3.1	<1.5	**2.8**	**24**	**1.0**	**4.4**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.4**	**6.7**	**3.4**	<1.0	<1.1	**1.4**	<1.3	**13**	**7.3**	<1.6	**2.0**	**4.8**	ND
RSB-28-R8-15	15	3/7/2022	<1.2	<1.5	<1.5	**9.7**	<3.1	<1.5	**1.3**	**9.5**	<1.0	**3.9**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**160**	**2.2**	<1.6	**3.5**	<1.3	ND
RSB-28-R8-15-DUP	15	3/7/2022	<1.2	<1.5	<1.5	**9.4**	<3.1	<1.5	<1.2	**9.2**	<1.0	**3.7**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**170**	**2.2**	<1.6	**3.6**	<1.3	ND
RSB-29-5	5	1/6/2021	NA	<13	NA	NA	NA	NA	NA	NA	**220**	NA	NA	<13	NA	NA	**20**	NA	NA	NA	**20**	NA	NA	**20**	NA	<13	<13	<13	NA	NA	ND
RSB-29-15	15	11/4/2021	<120	<150	<150	<440	<310	<150	<120	<360	**130**	**23**	<190	<150	<62	<120	<130	<230	<150	<370	**53**	**39**	**1,400**	<130	<130	**84**	<110	<160	<170	**53**	ND
RSB-29-15-DUP	15	11/4/2021	<120	<150	<150	<440	<310	<150	<120	<360	**140**	<93	<190	<150	<62	<120	<130	<230	<150	<370	**53**	**44**	**1,500**	<130	<130	**75**	<110	<160	<170	**53**	ND
RSB-29-30	30	1/6/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	NA	<13	NA	NA	NA	<26	NA	NA	<13	NA	**10**	**60**	<13	NA	NA	ND
RSB-29-R1-5	5	11/4/2021	<190	<240	<240	<710	<490	<240	<200	<570	**140**	**74**	<300	<230	<99	<190	<210	<370	<240	<590	**36**	**47**	**3,100**	**46**	<200	**130**	<180	<260	<270	**82**	ND
RSB-29-R2-5	5	11/4/2021	<120	<150	<150	<440	<310	<150	<120	<360	**62**	<93	<190	<150	<62	<120	<130	<230	<150	<370	**28**	**32**	**2,100**	<130	<130	**81**	<110	<160	<170	**28**	ND
RSB-29-R3-5	5	11/4/2021	<120	**12**	**18**	**93**	<310	<150	<120	<360	**150**	**5.4**	<190	<150	<62	<120	**16**	**33**	<150	**38**	**77**	**39**	**970**	<130	<130	<200	**17**	<160	<170	**77**	ND
RSB-29-R4-5	5	3/7/2022	<1.2	**4.6**	<1.5	<4.4	<3.1	<1.5	<1.2	**14**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.1**	**4.8**	<2.6	<1.0	<1.1	<1.3	<1.3	**5.3**	**1.4**	<1.6	<1.7	<1.3	ND
RSB-29-R4-5-DUP	5	3/7/2022	<1.2	**4.6**	<1.5	<4.4	<3.1	<1.5	<1.2	**6.2**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**6.6**	<1.1	<1.6	<1.7	<1.3	ND
RSB-29-R4-15	15	3/7/2022	<1.2	<1.5	<1.5	**6.1**	<3.1	<1.5	**1.3**	**29**	<1.0	**4.1**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.2**	**6.4**	<2.6	<1.0	<1.1	<1.3	<1.3	**11**	**30**	<1.6	<1.7	<1.3	ND
RSB-29-R5-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	**3.1**	**1.1**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.1**	**8.9**	<2.6	**3.5**	**1.3**	<1.3	<1.3	**6.0**	**4.8**	<1.6	<1.7	<1.3	ND
RSB-29-R5-15	15	3/7/2022	<1.2	<1.5	<1.5	**11**	<3.1	<1.5	**4.2**	**18**	**2.2**	**13**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.1**	**6.1**	**2.8**	<1.0	**1.2**	<1.3	<1.3	**14**	**12.0**	<1.6	<1.7	**2.8**	ND
RSB-29-R6-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**9.3**	<1.0	**2.6**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.1**	**6.0**	<2.6	<1.0	<1.1	<1.3	<1.3	**2.5**	**2**	<1.6	<1.7	<1.3	ND
RSB-29-R6-15	15	3/7/2022	<1.2	**1.6**	<1.5	**9.9**	<3.1	<1.5	**5.2**	**8.6**	**3.7**	**24**	<1.9	**2.1**	<0.6	<1.2	<1.3	<2.3	**1.9**	**6.3**	**3.5**	<1.0	**2.2**	<1.3	<1.3	**8.5**	**6.0**	<1.6	<1.7	**3.5**	ND
RSB-29-R7-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**14**	**2.0**	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**1.9**	**6.6**	<2.6	**2.5**	**20**	<1.3	<1.3	<2.0	**1.8**	<1.6	<1.7	<1.3	ND
RSB-29-R7-15	15	3/7/2022	<1.2	**1.9**	<1.5	**6.6**	<3.1	<1.5	<1.2	**14**	**4.1**	<0.9	<1.9	<1.5	<0.6	<1.2	**1.8**	<2.3	**1.9**	**6.2**	**3.3**	<1.0	**100**	**1.9**	<1.3	**6.5**	**5.1**	<1.6	<1.7	**5.1**	ND
RSB-29-R8-15	15	3/7/2022	<3.8	<4.7	<4.7	**22**	<9.8	<4.7	<3.9	**160**	**13**	**93**	<6.0	<4.7	<2.0	<3.8	**4.9**	<7.4	<4.7	<12	<8.3	<3.3	**470**	**4.9**	<4.1	**15**	**3.9**	<5.2	<5.4	**4.9**	ND
RSB-29-R9-15	15	3/7/2022	<1.2	**2.5**	**2.6**	**9.9**	<3.1	<1.5	**1.6**	**25**	**35**	**73**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	<1.5	**4.4**	**5.4**	**1.1**	**14**	**2.6**	<1.3	<2.0	**2.0**	**2.6**	<1.7	**8.0**	ND
RSB-30-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**100**	**10**	**13**	NA	NA	ND
RSB-30-15	15	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**80**	**30**	**40**	NA	NA	ND
RSB-30-15	15	11/2/2021	<1.2	3.1	2.0	<4.4	<3.1	<1.5	<1.2	10	11.0	1.5	<1.9	<1.5	<0.6	<1.2	7.2	<2.3	2.7	25	19	<1.0	5.4	7.3	<1.3	**300**	54	9.9	2.4	27	ND
RSB-30-R1-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**7.9**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.6**	**32**	<2.6	<1.0	<1.1	<1.3	<1.3	**130**	<1.1	**8.1**	**2.1**	<1.3	ND
RSB-30-R1-15	15	11/5/2021	<1.3	**7.7**	**1.8**	**85**	**4.7**	**2.5**	**32**	**110**	**11**	**91**	<2.0	**13**	<0.7	<1.3	**7.1**	<2.5	**3.1**	<3.9	**17**	<1.1	**7.6**	**6.6**	**1.6**	65	**51**	**86**	**4.5**	**23**	ND
RSB-30-R1-15-DUP	15	11/5/2021	<1.3	**9.4**	**2.7**	**89**	**4.7**	**2.6**	**36**	**110**	**10**	**70**	<2.0	**12**	<0.7	<1.3	**7.6**	<2.5	**3.2**	<3.9	**19**	<1.1	**5.7**	**7.2**	**2.0**	**72**	**52**	**91**	**4.2**	**27**	ND
RSB-30-R2-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**8.1**	<1.0	**2.1**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.7**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**230**	<1.1	**9.0**	**2.1**	<1.3	ND
RSB-30-R2-15	15	11/5/2021	**1.6**	**5.2**	<1.5	**48**	**4.1**	<1.5	**30**	**48**	**1.7**	**21**	<1.9	**17**	<0.6	<1.2	**3.3**	<2.3	**3.2**	**7.3**	**9.3**	<1.0	<1.1	**3.4**	<1.3	**240**	**12**	**170**	**3.3**	**13**	ND
RSB-30-R3-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**4.3**	<1.0	**1.6**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.7**	**4.2**	<2.6	<1.0	<1.1	<1.3	<1.3	**680**	<1.1	**9.9**	**1.8**	<1.3	ND
RSB-30-R3-15	15	11/5/2021	<1.2	**6.2**	**1.7**	**48**	**4.5**	**1.6**	**23**	**60**	**5.3**	**29**	<1.9	**11**	<0.6	<1.2	**5.0**	<2.3	**3.0**	<3.7	**11**	<1.0	**2.2**	**4.7**	<1.3	**540**	**25**	**81**	**2.5**	**16**	ND
RSB-30-R4-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**10**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**27**	**1.5**	<1.6	<1.7	<1	ND
RSB-30-R4-5-DUP	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**4.9**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**29**	**1.4**	<1.6	<1.7	<1.3	ND
RSB-30-R4-15	15	3/8/2022	**3.5**	**1.7**	**1.7**	**6.4**	<3.1	<1.5	**1.4**	**14**	**8.1**	**4.1**	<1.9	**20**	<0.6	<1.2	**2.9**	<2.3	**2.5**	<3.7	**7.1**	<1.0	**4.7**	**3.9**	<1.3	**73**	**16**	**76**	<1.7	**11**	ND
RSB-30-R5-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**20**	**1.5**	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	**5.5**	<2.6	<1.0	<1.1	<1.3	<1.3	**66**	**1.8**	**5.0**	<1.7	<1.3	ND
RSB-30-R5-15	15	3/8/2022	**1.8**	<1.5	<1.5	**5.9**	<3.1	<1.5	**4.9**	**13**	**11**	**7.9**	<1.9	**6.9**	<0.6	<1.2	**2.5**	<2.3	**2.3**	**5.8**	**5.3**	**1.4**	**1.8**	**2.0**	**1.6**	**67**	**19**	**23**	<1.7	**7.4**	ND
RSB-30-R6-35	35	3/8/2022	**28**	<1.5	<1.5	**18**	<3.1	<1.5	**4.5**	**22**	**3.3**	**5.7**	**2.4**	**86**	<0.6	<1.2	**2.9**	<2.3	**3.0**	<3.7	**10**	**1.4**	**3.6**	**3.1**	**1.3**	**88**	**7.4**	**550**	**3.8**	**13**	ND
RSB-32-5	5	1/7/2021	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	**10**	NA	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	**10**	<13	<13	<13	ND
RSB-32-30	30	1/7/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	**100**	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	<13	**10**	<13	NA	NA	ND
RSB-38-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<12	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**650**	<13	<13	NA	NA	ND
RSB-38-15	15	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**40**	<1.0	**1.9**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.7**	**35**	<2.6	<1.0	<1.1	<1.3	<1.3	**1,000**	<1.1	**8.8**	**3.7**	<1.3	ND
RSB-38-15-DUP	15	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	<1.0	**2.0**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	**9.9**	<2.6	<1.0	<1.1	<1.3	<1.3	**1,000**	<1.1	**1.8**	**3.7**	<1.3	ND
RSB-38-R1-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**10**	<1.0	**3.2**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.4**	**19**	<2.6	<1.0	<1.1	<1.3	<1.3	**570**	**1.3**	<1.6	**3.1**	<1.3	ND
RSB-38-R2-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**19**	<1.0	**9.3**	<1.9	**8.0**	<0.6	<1.2	<1.3	<2.3	**2.3**	**9.8**	<2.6	<1.0	<1.1	<1.3	<1.3	**170**	<1.1	<1.6	**5.6**	<1.3	ND
RSB-38-R3-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**15**	<1.0	**1.6**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.8**	**24**	<2.6	**1.2**	<1.1	<1.3	<1.3	**110**	<1.1	**4.1**	**4.7**	<1.3	ND

Table 9
Soil Vapor Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft)	Date Sampled	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	2-Hexanone	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Freon 113	Freon 12	Isopropanol (IPA)	m,p-Xylenes	Methylene Chloride	n-Hexane	o-Xylene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Xylene (total)	Other Analyzed VOCs
Analytical Method			USEPA Method TO-15																												
Unit			µg/m³																												
USEPA Industrial Indoor Air RSL			NS	260	260	22,000	130	NS	13,000	NS	1.6	3,100	2	0.53	390	180	4.9	22,000	440	880	440	1,200	3,100	440	4,400	47	22,000	3	NS	440	Varies
DTSC Industrial Indoor Air SL			310	NS	NS	NS	NS	NS	NS	NS	0.42	NS	2	NS	NS	35	NS	NS	NS	NS	NS	12	NS	NS	3,900	2	1,300	3*	5,300	NS	Varies
USEPA Industrial Indoor Air RSL (AF=0.03)			NS	8667	8667	733,333	4,333	NS	433,333	NS	53	103,333	67	18	13,000	6,000	163	733,333	14,667	29,333	14,667	40,000	103,333	14,667	146,667	1,567	733,333	100	NS	14,667	Varies
DTSC Industrial Indoor Air SL (AF=0.03)			10333	NS	NS	NS	NS	NS	NS	NS	14	NS	67	NS	NS	1,167	NS	NS	NS	NS	NS	400	NS	NS	130,000	67	43,333	100*	176,667	NS	Varies
RSB-38-R4-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	<1.0	**1.9**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	**4.3**	<2.6	<1.0	<1.1	<1.3	<1.3	**2.3**	**2.2**	<1.6	**2.4**	<1.3	ND
RSB-38-R4-15	15	3/8/2022	<1.2	<1.5	<1.5	**4.7**	<3.1	<1.5	<1.2	**12**	**1.3**	**5.1**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.4**	<3.7	<2.6	**1.3**	<1.1	<1.3	<1.3	**3.1**	**5.3**	<1.6	**3.1**	<1.3	ND
RSB-38-R5-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**16**	**1.4**	**12**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.8**	**4.9**	<2.6	<1.0	**1.1**	<1.3	<1.3	**3.7**	**5.1**	<1.6	**6.3**	<1.3	ND
RSB-38-R5-15	15	3/8/2022	<1.2	<1.5	<1.5	**8.2**	<3.1	**2.0**	<1.2	**22**	**2.1**	**18**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**3.0**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**6.1**	**7.4**	<1.6	**7.8**	<1.3	ND
RSB-38-R6-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**21**	**1.1**	**2.0**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**3.0**	<3.7	<2.6	<1.0	**1.5**	<1.3	<1.3	**17**	**2.1**	<1.6	**8.6**	<1.3	ND
RSB-38-R6-15	15	3/8/2022	<1.2	<1.5	<1.5	**5.1**	<3.1	<1.5	<1.2	**17**	**5.5**	**20**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**3.4**	<3.7	<2.6	<1.0	**2.1**	<1.3	<1.3	**24**	**6.9**	**13**	**11**	<1.3	ND
RSB-38-R7-35	35	3/8/2022	**9.9**	<1.5	<1.5	**7.9**	<3.1	<1.5	<1.2	**12**	<1.0	**3.0**	**2.0**	**25**	<0.6	<1.2	<1.3	<2.3	**3.7**	<3.7	<2.6	<1.0	**1.1**	<1.3	<1.3	**45**	<1.1	**270**	**7.8**	<1.3	ND
RSB-53-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**210**	<13	<13	NA	NA	ND
RSB-53-15	15	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**4.2**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.0**	<3.7	<2.6	**1.4**	<1.1	<1.3	<1.3	**1,100**	**6.4**	<1.6	<1.7	<1.3	ND
RSB-53-R1-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	<3.6	<1.0	**1.9**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.5**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**88**	**1.3**	<1.6	**3.2**	<1.3	ND
RSB-53-R2-5	5	11/2/2021	<2.4	<2.9	<2.9	<8.8	<6.1	<2.9	<2.5	<7.1	<1.9	<1.9	<3.8	<2.9	<1.2	<2.4	<2.6	<4.6	<3.0	<7.4	<5.2	<2.1	**250**	<2.6	<2.6	**82**	**3.4**	<3.2	**4.3**	<2.6	ND
RSB-53-R3-5	5	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**10**	<1.0	**1.9**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.2**	**7.7**	<2.6	**1.3**	<1.1	<1.3	<1.3	**200**	**2.4**	**11**	<1.7	<1.3	ND
RSB-53-R4-5	5	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	<3.6	<1.0	**1.7**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**1,300**	**1.3**	<1.6	<1.7	<1.3	ND
RSB-53-R5-5	5	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**16**	<1.0	**2.9**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.1**	**3.7**	<2.6	**1.1**	<1.1	<1.3	<1.3	**93**	**4.7**	<1.6	<1.7	<1.3	ND
RSB-53-R6-5	5	11/3/2021	<1.3	<1.6	<1.6	<4.7	<3.3	<1.6	<1.3	**7.5**	<1.0	**2.7**	<2.0	<1.6	<0.7	<1.3	<1.4	<2.5	**1.9**	**41**	<2.8	**1.3**	<1.1	<1.4	<1.4	**100**	**5.7**	<1.7	<1.8	<1.4	ND
RSB-53-R7-5	5	11/3/2021	<1.6	<2.0	<2.0	**6.3**	<4.1	<2.0	<1.6	**42**	<1.3	**5.2**	<2.5	<2.0	<0.8	<1.6	<1.7	<3.1	**2.1**	**7.2**	<3.5	**9.0**	**1.8**	<1.7	<1.7	**190**	**3.9**	<2.1	<2.2	<1.7	ND
RSB-53-R10-5	5	3/7/2022	<1.2	**1.7**	<1.5	**6.3**	<3.1	<1.5	<1.2	**21**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	**6.0**	<2.6	<1.0	<1.1	<1.3	<1.3	**55**	**1.7**	**12**	**1.8**	<1.3	ND
RSB-53-R10-15	15	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	**1.1**	**1.4**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.4**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**24**	**2.1**	<1.6	<1.7	<1.3	ND
RSB-53-R11-5	5	3/7/2022	<1.2	**3.2**	<1.5	**4.8**	<3.1	<1.5	<1.2	**18**	<1.0	**1.1**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.5**	**8.1**	<2.6	<1.0	<1.1	<1.3	<1.3	**23**	<1.1	<1.6	**3.4**	<1.3	ND
RSB-53-R11-15	15	3/7/2022	<1.2	**2.3**	<1.5	**9.5**	<3.1	<1.5	<1.2	**27**	<1.0	**1.0**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.5**	**7.8**	<2.6	<1.0	<1.1	<1.3	<1.3	**44**	**1.2**	**7.1**	<1.7	<1.3	ND
RSB-53-R12-15	15	3/7/2022	<1.2	**4.6**	<1.5	**6.4**	<3.1	<1.5	<1.2	**6.3**	<1	**1.3**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**210**	**1.2**	**7.1**	<1.7	<1.3	ND
RSB-53-R13-15	15	3/7/2022	<3.0	<3.7	<3.7	<11	<7.7	<3.7	<3.1	**18**	<2.4	<2.3	<4.7	<3.7	<1.5	<3.0	<3.3	<5.7	<3.7	<9.2	<6.5	<2.6	<2.6	<3.3	<3.2	**880**	<2.8	<4.0	<4.2	<3.3	ND
RSB-53-R13-15-DUP	15	3/7/2022	<3.0	<3.7	<3.7	<11	<7.7	<3.7	<3.1	**16**	<2.4	<2.3	<4.7	<3.7	<1.5	<3.0	<3.3	<5.7	<3.7	<9.2	<6.5	<2.6	<2.6	<3.3	<3.2	**970**	<2.8	<4.0	<4.2	<3.3	ND
RSB-53-R14-35	35	3/7/2022	<1.2	**2.7**	<1.5	**12**	<3.1	<1.5	**2.2**	**23**	**3.7**	**6.5**	<1.9	<1.5	<0.6	<1.2	**1.3**	<2.3	**2.3**	<3.7	**3.1**	<1.0	<1.1	<1.3	<1.3	**540**	**11**	**12**	**1.8**	**3.1**	ND
RSB-53-R15-15	15	3/7/2022	<1.2	**4.9**	<1.5	**9.3**	<3.1	<1.5	**1.6**	**51**	**1.3**	**3.8**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	**7.7**	**5.0**	**1.1**	**3.1**	**1.9**	<1.3	**660**	**42**	**5.3**	<1.7	**6.9**	ND
RSB-53-R15-35	35	3/7/2022	<1.2	**5.5**	<1.5	**7.0**	<3.1	<1.5	**1.5**	**40**	**1.2**	**4.3**	<1.9	<1.5	<0.6	<1.2	**1.5**	<2.3	**2.4**	**4.2**	**6.2**	<1.0	**1.3**	**2.3**	<1.3	**840**	**64**	**31**	**1.8**	**8.5**	ND
RSB-53-R8-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**7.3**	<1.0	<0.9	<1.9	<1.5	<0.6	**1.2**	<1.3	<2.3	**2.4**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**440**	<1.1	<1.6	**7.1**	<1.3	ND
RSB-53-R8-15	15	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**11**	<1.0	**2.2**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**460**	**2.0**	**4.3**	**3.4**	<1.3	ND
RSB-53-R9-5	5	3/7/2022	<1.2	**2.5**	<1.5	<4.4	<3.1	<1.5	<1.2	**12**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	**6.4**	<2.6	<1.0	<1.1	<1.3	<1.3	**25**	<1.1	<1.6	<1.7	<1.3	ND
RSB-53-R9-15	15	3/7/2022	<1.2	<1.5	<1.5	**7.7**	<3.1	<1.5	<1.2	**14**	<1.0	**1.0**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**45**	<1.1	**3.5**	<1.7	<1.3	ND
RSB-54-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**100,000**	<13	<13	NA	NA	ND
	5	2/1/2021	NA	<500	<500	NA	NA	NA	NA	NA	<500	NA	NA	<500	NA	<500	<500	NA	NA	NA	<26	NA	NA	<500	NA	**34,000**	<500	<1	NA	NA	ND
RSB-54-CL-15	15	2/1/2021	NA	<25	<25	NA	NA	NA	NA	NA	<25	NA	NA	<25	NA	<25	<25	NA	NA	NA	<50	NA	NA	<25	NA	**7,800**	<25	<25	NA	NA	ND
RSB-54-CL-35	35	2/1/2021	NA	<25	<25	NA	NA	NA	NA	NA	<25	NA	NA	<25	NA	<25	<25	NA	NA	NA	<50	NA	NA	<25	NA	**240**	<25	<25	NA	NA	ND
RSB-54-E-5	5	2/1/2021	NA	<25	<25	NA	NA	NA	NA	NA	<25	NA	NA	<25	NA	<25	<25	NA	NA	NA	<50	NA	NA	<25	NA	**3,100**	<25	<25	NA	NA	ND
RSB-54-E-15	15	2/1/2021	NA	<25	<25	NA	NA	NA	NA	NA	<25	NA	NA	<25	NA	<25	<25	NA	NA	NA	<50	NA	NA	<25	NA	**1,900**	**40**	<26	NA	NA	ND
RSB-54-E-35	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**80**	**10**	<13	NA	NA	ND
RSB-54-E1-5	5	11/3/2021	<1.3	<1.6	<1.6	<4.7	<3.3	<1.6	**1.4**	**17**	<1.0	**1.8**	<2.0	<1.6	<0.7	<1.3	<1.4	<2.5	**2.3**	**7.0**	<2.8	**1.5**	<1.1	<1.4	<1.4	**790**	**1.3**	<1.7	<1.8	<1.4	ND
RSB-54-E1-15	15	11/3/2021	<13	<16	<16	<47	<33	<16	<13	<38	<10	<10	<20	<16	<6.6	<13	<14	<25	<16	<39	<28	<11	<11	<14	<14	**2,500**	<12	**23**	<18	<14	ND
RSB-54-E2-5	5	11/3/2021	<6.3	<7.9	<7.9	<24	<16	<7.9	<6.6	<19	<5.1	<5.0	<10	<7.8	<3.3	<6.3	<6.9	<12	<7.9	**25**	<14	<5.6	<5.6	<6.9	<6.8	**1,500**	<6.0	<8.6	<9.0	<6.9	ND
RSB-54-E2-15	15	11/3/2021	<6.3	<7.9	<7.9	<24	<16	<7.9	<6.6	<19	<5.1	<5.0	<10	<7.8	<3.3	<6.3	<6.9	<12	<7.9	<20	<14	<5.6	<5.6	<6.9	<6.8	**1,700**	<6.0	**24**	<9.0	<6.9	ND
RSB-54-E3-35	35	3/7/2022	<4.8	<5.9	<5.9	<18	<12	<5.9	<4.9	**18**	<3.8	<3.7	<7.5	<5.9	<2.5	<4.8	<5.2	<9.2	<5.9	<15	<10	<4.2	<4.2	<5.2	<5.1	**860**	<4.5	**170**	<6.7	<5.2	ND
RSB-54-E4-5	5	3/7/2022	<1.2	<1.5	<1.5	**6.0**	<3.1	<1.5	<1.2	**18**	<1.0	**1.1**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.6**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**2.7**	<1.1	**2.4**	<1.7	<1.3	ND
RSB-54-E4-15	15	3/7/2022	<1.2	<1.5	<1.5	**12**	<3.1	<1.5	<1.2	**27**	**1.2**	**17**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.6**	<3.7	<2.6	<1.0	**1.9**	<1.3	<1.3	**2.2**	**1.3**	**2.4**	**2.2**	<1.3	ND
RSB-54-E4-35	35	3/7/2022	<1.2	<1.5	<1.5	**18**	<3.1	<1.5	<1.2	**36**	<1.0	**6.3**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**3.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**8.0**	**1.2**	**42**	**5.4**	<1.3	ND
RSB-54-N-5	5	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**10**	<13	<13	NA	NA	ND
RSB-54-N-15	15	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**110**	**90**	<13	NA	NA	ND
RSB-54-N-35	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**100**	**20**	<13	NA	NA	ND
RSB-54-N-35-DUP	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**130**	**40**	<13	NA	NA	ND
RSB-54-N-R1-15	15	11/2/2021	<1.2	<1.5	<1.5	**5.1**	<3.1	<1.5	<1.2	**8.5**	<1.0	**1.7**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.4**	**16**	<2.6	<1.0	**2.3**	<1.3	<1.3	**150**	<1.1	<1.6	**3.6**	<1.3	ND
RSB-54-N-R2-15	15	11/3/2021	<1.3	<1.6	<1.6	<4.7	<3.3	<1.6	<1.3	**6.3**	<1.0	**1.8**	<2.0	<1.6	<0.7	<1.3	<1.4	<2.5	**2.4**	**16**	<2.8	<1.1	<1.1	<1.4	<1.4	**35**	<1.2	<1.7	**4.9**	<1.4	ND
RSB-54-N-R3-15	15	11/3/2021	<1.2	**1.7**	<1.5	<4.4	<3.1	<1.5	<1.2	**7.7**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.2**	<3.7	**3.3**	<1.0	<1.1	**1.7**	<1.3	**14**	**2.5**	<1.6	**3.3**	**5.0**	ND
RSB-54-NE-5	5	3/7/2022	<1.2	**1.9**	<1.5	**7.4**	<3.1	<1.5	<1.2	**21**	<1.0	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.6**	**11**	<2.6	<1.0	<1.1	<1.3	<1.3	**12**	**1.5**	<1.6	**3.7**	<1.3	ND
RSB-54-NE-15	15	3/7/2022	<1.2	<1.5	<1.5	**13**	<3.1	<1.5	<1.2	**30**	<1.0	**1.2**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.8**	**7.8**	<2.6	<1.0	<1.1	<1.3	<1.3	**47**	**2.4**	**8.5**	**4.8**	<1.3	ND
RSB-54-NE-35	35	3/7/2022	<1.2	<1.5	<1.5	**17**	<3.1	<1.5	**2.1**	**38**	<1.0	**3.8**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.9**	**9.7**	<2.6	<1.0	**1.2**	<1.3	<1.3	**62**	**2.0**	**66**	**5.3**	<1.3	ND
RSB-54-NE-35-DUP	35	3/7/2022	<1.2	<1.5	<1.5	**16**	<3.1	<1.5	**2.0**	**33**	**1.0**	**4.0**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.9**	**4.2**	<2.6	<1.0	**1.1**	<1.3	<1.3	**66**	**2.0**	**68**	**5.3**	<1.3	ND
RSB-54-S-5	5	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**330**	<13	<13	NA	NA	ND
RSB-54-S-15	15	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**180**	**20**	<13	NA	NA	ND
RSB-54-S-35	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	**50**	**10**	<13	NA	NA	ND
RSB-54-S1-5	5	11/3/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	**1.4**	**13**	<1.0	**3.1**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	**15.0**	**4.6**	**3.7**	**1.3**	**1.7**	<1.3	**180**	**2.1**	**5.3**	<1.7	**6.3**	ND
RSB-54-S1-15	15	11/3/2021	<1.2	**1.9**	<1.5	**7.7**	<3.1	<1.5	**5.1**	**27**	**1.2**	**5.5**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	**4.2**	**1.1**	<1.1	**1.6**	<1.3	**570**	**6.1**	**53**	<1.7	**5.8**	ND
RSB-54-S2-5	5	3/7/2022	<1.2	<1.5	<1.5	**8.0**	<3.1	<1.5	<1.2	**22**	**1.3**	**1.6**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**23**	**1.7**	**5.0**	<1.7	<1.3	ND
RSB-54-S2-35	35	3/7/2022	<1.2	<1.5	<1.5	**5.9**	<3.1	<1.5	<1.2	**15**	**1.9**	**3.7**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	**1.8**	<1.3	<1.3	**12**	**4.0**	**35**	<1.7	<1.3	ND
RSB-54-SE-5	5	3/7/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**11**	<1.0	**1.3**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.6**	<3.7	<2.6	<1.0	**1.3**	<1.3	<1.3	**3.8**	**20**	**2.4**	<1.7	<1.3	ND
RSB-54-SE-15	15	3/7/2022	<1.2	<1.5	<1.5	**5.4**	<3.1	<1.5	<1.2	**14**	<1.0	**2.0**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.5**	**5.2**	<2.6	**1.8**	**1.2**	<1.3	<1.3	**14**	**3.7**	**83**	**2.3**	<1.3	ND
RSB-54-SE-35	35	3/7/2022	<1.2	<1.5	<1.5	**5.7**	<3.1	<1.5	<1.2	**18**	<1.0	**2.5**	<1.9	**3.6**	<0.6	<1.2	<1.3	<2.3	**2.7**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**30**	**2.0**	**520**	**3.1**	<1.3	ND

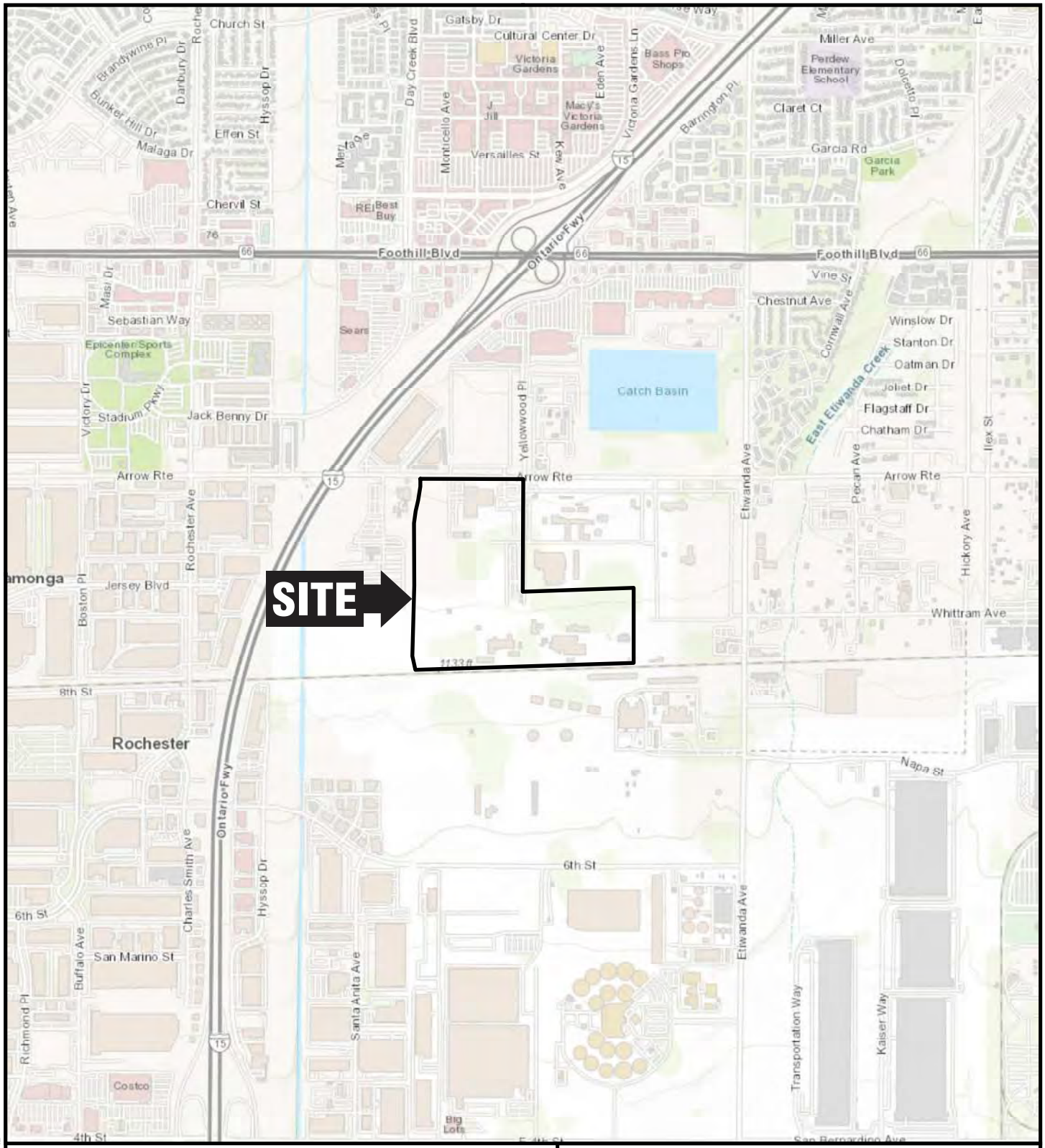
Table 9
Soil Vapor Analytical Results - Volatile Organic Compounds (VOCs)
12451 Arrow Route, Rancho Cucamonga, California

Sample ID	Depth (ft)	Date Sampled	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	2-Hexanone	4-Ethyltoluene	4-Methyl-2-Pentanone	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Freon 113	Freon 12	Isopropanol (IPA)	m,p-Xylenes	Methylene Chloride	n-Hexane	o-Xylene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Xylene (total)	Other Analyzed VOCs
Analytical Method			USEPA Method TO-15																												
Unit			µg/m³																												
USEPA Industrial Indoor Air RSL			NS	260	260	22,000	130	NS	13,000	NS	1.6	3,100	2	0.53	390	180	4.9	22,000	440	880	440	1,200	3,100	440	4,400	47	22,000	3	NS	440	Varies
DTSC Industrial Indoor Air SL			310	NS	NS	NS	NS	NS	NS	NS	0.42	NS	2	NS	NS	35	NS	NS	NS	NS	NS	12	NS	NS	3,900	2	1,300	3*	5,300	NS	Varies
USEPA Industrial Indoor Air RSL (AF=0.03)			NS	8667	8667	733,333	4,333	NS	433,333	NS	53	103,333	67	18	13,000	6,000	163	733,333	14,667	29,333	14,667	40,000	103,333	14,667	146,667	1,567	733,333	100	NS	14,667	Varies
DTSC Industrial Indoor Air SL (AF=0.03)			10333	NS	NS	NS	NS	NS	NS	NS	14	NS	67	NS	NS	1,167	NS	NS	NS	NS	NS	400	NS	NS	130,000	67	43,333	100*	176,667	NS	Varies
RSB-54-W-5	5	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	170	50	<13	NA	NA	ND
RSB-54-W-15	15	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	410	<13	<13	NA	NA	ND
RSB-54-W-35	35	2/1/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	580	380	<13	NA	NA	ND
RSB-60-5	5	1/8/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	130	<13	<13	NA	NA	ND
RSB-60-15	15	11/1/2021	**4.0**	<1.6	<1.6	<4.7	<3.3	<1.6	<1.3	**5.8**	**1.4**	<1.0	<2.0	<1.6	<0.7	<1.3	**2.4**	**18**	**2.5**	**17**	**8.3**	**1.4**	**1.2**	**4.1**	<1.4	470	**11**	**15**	<1.8	**12**	ND
RSB-60-R1-5	5	11/1/2021	<1.2	**2.8**	**2.1**	<4.4	<3.1	<1.5	<1.2	**7.0**	**1.7**	<0.9	<1.9	<1.5	<0.6	<1.2	**2.8**	<2.3	**2.5**	<3.7	**9.8**	<1.0	<1.1	**5.0**	<1.3	300	**13**	**3.8**	<1.7	**15**	ND
RSB-60-R2-5	5	11/1/2021	<1.3	**3.6**	**2.2**	<4.7	<3.3	<1.6	<1.3	**6.4**	**12**	**1.2**	<2.0	<1.6	<0.7	<1.3	**8.3**	**4.6**	**2.6**	**14**	**22**	<1.1	**6.0**	**7.7**	<1.4	350	**56**	**8.5**	**2.4**	**30**	ND
RSB-60-R3-5	5	11/2/2021	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**13**	**29**	**2.8**	<1.9	<1.5	<0.6	<1.2	**1.9**	<2.3	**2.7**	**33**	**3.7**	<1.0	**6.4**	**1.4**	<1.3	170	**38**	**9.3**	**4.8**	**5.1**	ND
RSB-60-R4-5	5	11/1/2021	<1.2	**2.8**	<1.5	<4.4	<3.1	**1.6**	<1.2	**11**	**1.1**	<0.9	<1.9	<1.5	<0.6	<1.2	**6.3**	<2.3	**2.5**	**7.6**	**13**	<1.0	<1.1	**5.2**	<1.3	140	**20**	**10**	**1.8**	**19**	ND
RSB-60-R5-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**13**	**1.2**	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.2**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	150	**1.9**	**4.2**	**1.9**	<1.3	ND
RSB-60-R5-5-DUP	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**7.1**	**1.2**	<0.9	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	160	**1.6**	**4.2**	**1.9**	<1.3	ND
RSB-60-R5-15	15	3/8/2022	<1.2	<1.5	<1.5	**6.4**	<3.1	<1.5	<1.2	**14**	**1.3**	**2.2**	<1.9	**4.5**	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	200	**3.9**	**46**	**2.2**	<1.3	ND
RSB-60-R5-15-DUP	15	3/8/2022	<1.2	<1.5	<1.5	**4.7**	<3.1	<1.5	<1.2	**5.6**	**1.7**	**2.1**	<1.9	**4.5**	<0.6	<1.2	<1.3	<2.3	**2.3**	<3.7	<2.6	<1.0	**1.3**	<1.3	<1.3	210	**4.3**	**45**	**2.2**	<1.3	ND
RSB-60-R6-5	5	3/8/2022	<1.2	<1.5	<1.5	<4.4	<3.1	<1.5	<1.2	**16**	<1.0	**1.3**	<1.9	<1.5	<0.6	<1.2	<1.3	<2.3	**2.7**	<3.7	<2.6	<1.0	<1.1	<1.3	<1.3	**21**	**1.4**	**47**	**3.8**	<1.3	ND
RSB-60-R6-15	15	3/8/2022	<1.2	<1.5	<1.5	**6.3**	<3.1	<1.5	<1.2	**11**	**2.3**	**5.3**	<1.9	**2.7**	<0.6	<1.2	<1.3	<2.3	**3.1**	<3.7	<2.6	<1.0	**1.1**	<1.3	<1.3	**13**	**1.9**	**200**	**5.9**	<1.3	ND
RSB-60-R8-15	15	3/8/2022	<1.2	**1.8**	<1.5	**6.0**	<3.1	<1.5	**2.6**	**21**	**3.7**	**2.9**	<1.9	**2.6**	<0.6	<1.2	**2.3**	<2.3	**2.3**	<3.7	**5.4**	<1.0	**1.3**	**2.2**	<1.3	150	**130**	**69**	<1.7	**7.6**	ND
RSB-60-R8-35	35	3/8/2022	**5.8**	<1.5	<1.5	**7.1**	<3.1	<1.5	<1.2	**13**	<1.0	**2.1**	<1.9	**28**	<0.6	<1.2	<1.3	<2.3	**2.7**	<3.7	<2.6	<1.0	**1.4**	<1.3	<1.3	190	**2.1**	**480**	**2.5**	<1.3	ND
RSB-61-5	5	1/28/2021	NA	<13	<13	NA	NA	NA	NA	NA	<13	NA	NA	<13	NA	<13	<13	NA	NA	NA	<26	NA	NA	<13	NA	90	<13	<13	NA	NA	ND
RSB-61-15	15	11/4/2021	<1.2	**1.3**	**0.3**	**8.1**	<3.1	<1.5	**10**	**18**	**0.4**	**3.2**	<1.9	<1.5	**0.1**	<1.2	**0.5**	**0.5**	**2.5**	**10**	**1.2**	**0.9**	**0.7**	**0.6**	<1.3	**17**	**2.1**	<1.6	**5.7**	**1.8**	ND
RSB-61-W-10	10	11/4/2021	<1.2	**2.0**	**0.5**	**3.1**	<3.1	<1.5	**7.7**	**12**	<1.0	**3.7**	<1.9	**0.3**	<0.6	<1.2	**0.3**	**0.5**	**2.5**	**13**	**1.2**	**0.6**	**0.3**	**0.7**	<1.3	**5.9**	**1.6**	<1.6	**3.5**	**1.9**	ND
RSB-61-E-10	10	11/4/2021	<1.2	**1.2**	<1.5	<4.4	<3.1	<1.5	**2.9**	**5.8**	**0.2**	**2.8**	<1.9	<1.5	<0.6	<1.2	**0.3**	**0.5**	**2.5**	<3.7	**0.9**	**0.3**	<1.1	**0.5**	<1.3	**29**	**1.1**	<1.6	**7.0**	**1.4**	ND
RSB-61-NW-10	10	11/4/2021	<1.2	**1.7**	<1.5	**12**	<3.1	<1.5	**1.0**	**8.2**	**0.4**	**2.8**	<1.9	<1.5	**0.2**	<1.2	**0.4**	**0.5**	**2.6**	**29**	**1.1**	**0.6**	**0.7**	**0.6**	<1.3	**9.5**	**1.6**	<1.6	**12.0**	**1.8**	ND

Notes:
ft = feet
VOCs = volatile organic compounds
USEPA = United States Environmental Protection Agency
µg/m³ = micrograms per cubic meter
USEPA Industrial Indoor Air RSL = USEPA Industrial Indoor Air Regional Screening Level with screening attenuation factor of 0.03, according to the California Department of Toxic Substances Control (DTSC) Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion (May 2021)
DTSC Commercial/Industrial Indoor Air SL = DTSC Commercial/Industrial Indoor Air SL with screening attenuation factor of 0.03, according to the DTSC Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion (June 2020)
AF = Attenuation Factor
NA = Not applicable
NS = No standard established
<X or ND = analyte not detected above laboratory reporting limit
Bold indicates that value exceeds laboratory reporting limit
Italics indicate sample is a duplicate
** Trichloroethene DTSC SL from HHRA Note 5 - "HERO strongly recommends consulting with the HERO toxicologist" when indoor air concentrations exceed 3 ug/m3*
Cells highlighted in gray indicate that data may not be reliable for its intended purpose due to leak check compound detection greater than 10 times the reporting limit.
Cells highlighted in green indicates data collected by Ramboll
Cells highlighted in orange exceed either one or both SLs

FIGURES

1. Site Location Map
2. Site Plan
3. Proposed Development Plan
4. Sample Locations
5. Sample Locations – NW Portion of Site
6. Sample Locations – SW Portion of Site
7. Sample Locations – SE Portion of Site
8. Parcel 2 – Lead in Soil
9. Southern Portion of Parcel 3 – Lead in Soil
10. Southern Portion of Parcel 3 – TPH in Soil
11. Parcel 2 – TPH in Soil
12. Rail Spur Parcels 2 and 3 – Exceedances in Soil
13. Southwestern Portion of Parcel 3 - PCE and Benzene in Soil Vapor
14. Southern Portion of Parcel 3 - PCE and Benzene in Soil Vapor
15. Northern Portion of Parcel 3 - PCE and Benzene in Soil Vapor
16. Parcel 3 with PCE Iso-Concentration Contours - 5 Feet bgs
17. Parcel 3 with PCE Iso-Concentration Contours - 15 Feet bgs
18. Parcel 3 with PCE Iso-Concentration Contours - 35 Feet bgs



LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

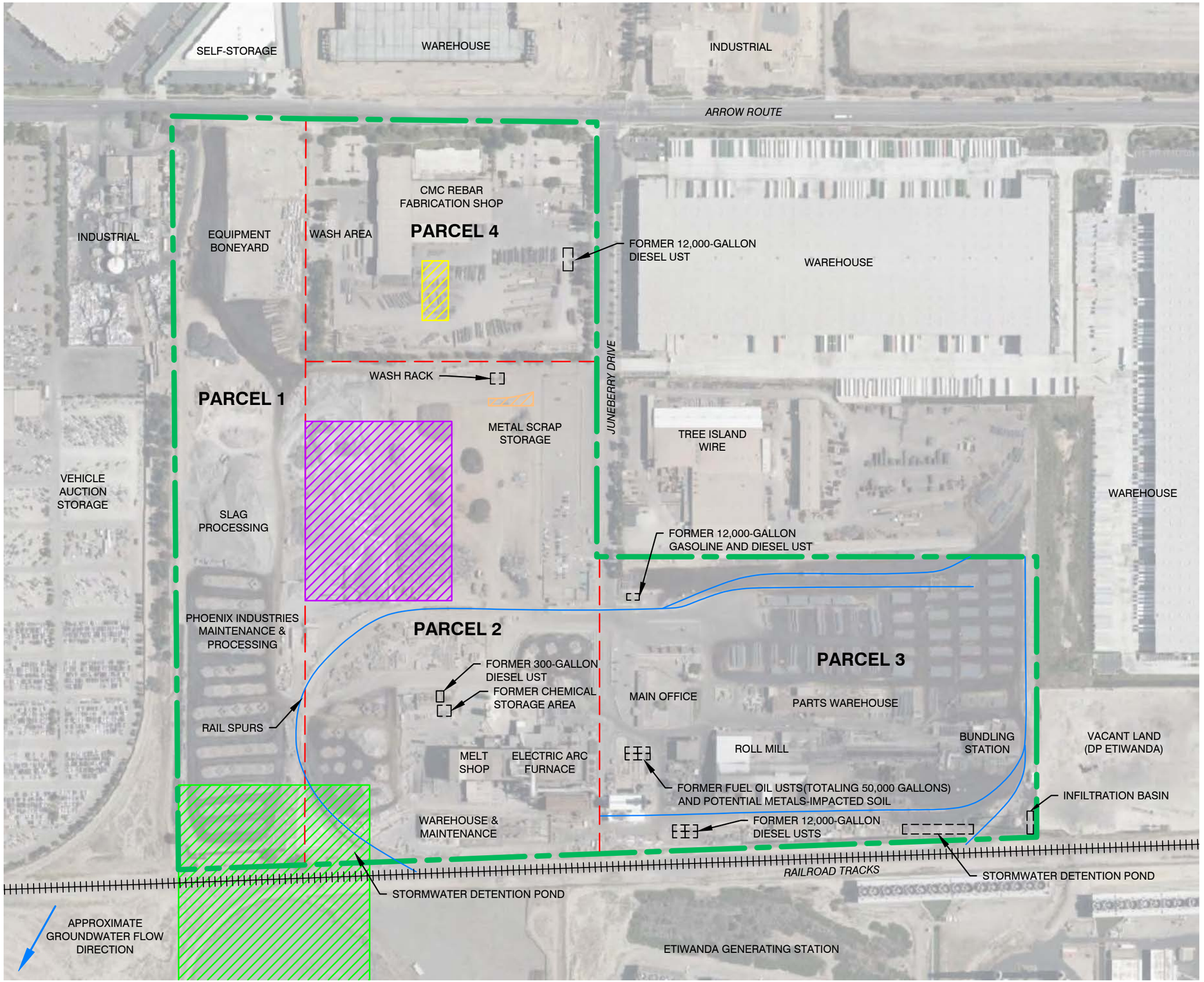
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: M.J.N.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1

S:\GIS\PROJECTS\3200\0007L\100\3200.0007L100.0.MXD



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

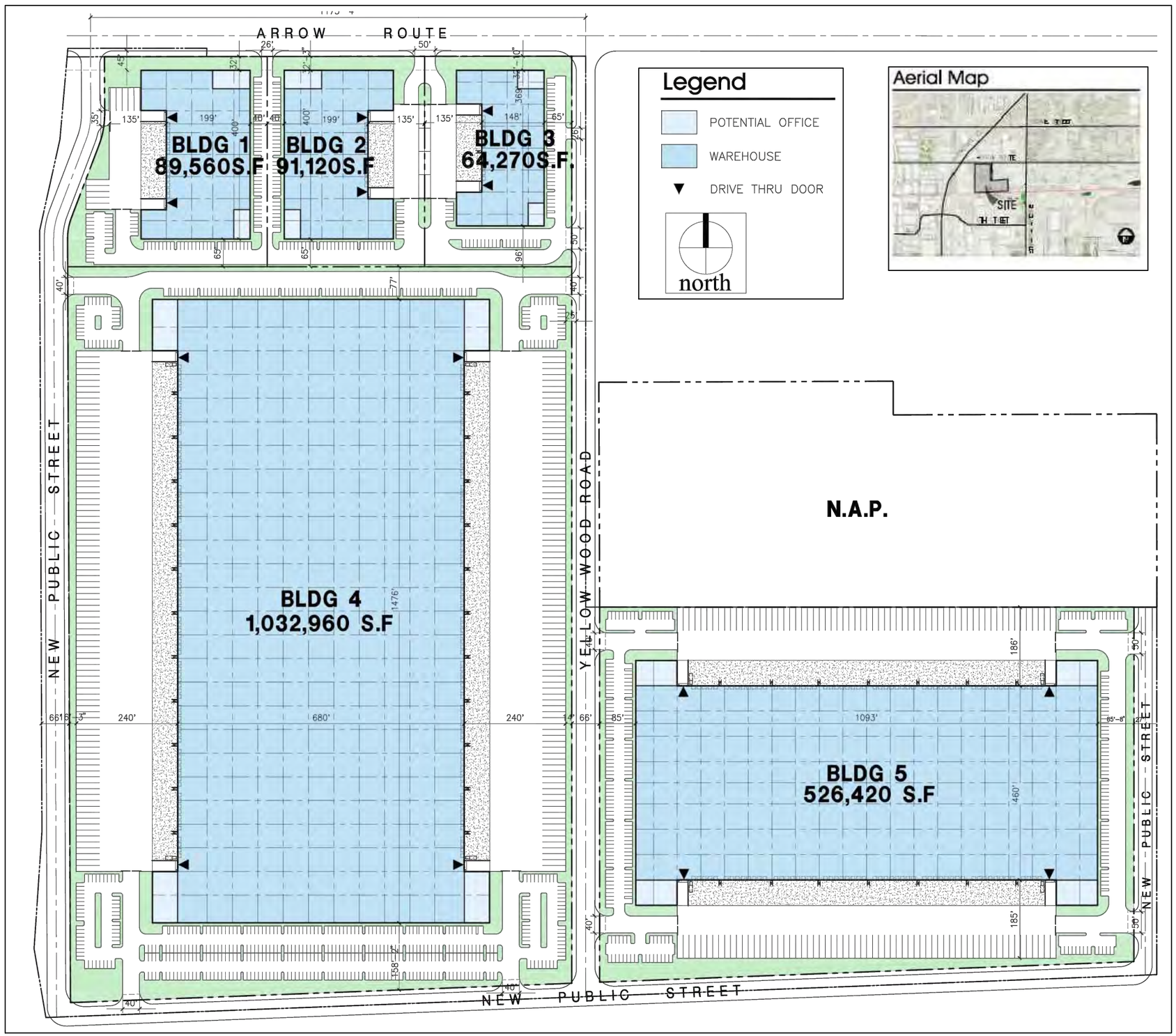
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	2
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 053_3200.0007L_SITE PLAN.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\053_3200.0007L_SITE PLAN.DWG



NOTES

1. DRAWING ADAPTED FROM CONCEPTUAL SITE PLAN FOR ARROW ROUTE AND JUNEBERRY DRIVE, BY HPA ARCHITECTURE

Title:

PROPOSED DEVELOPMENT PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

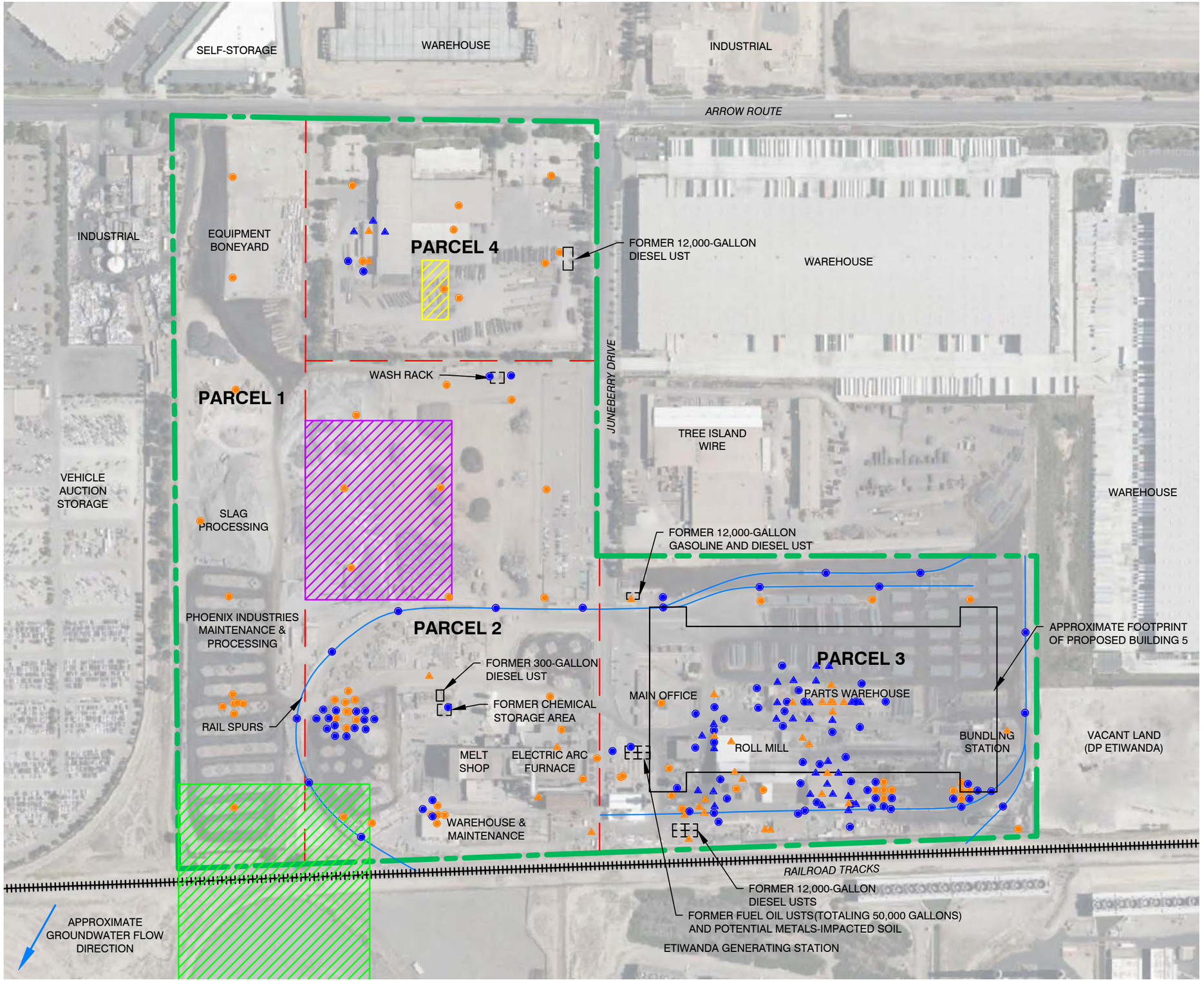
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 16 NOV 2022	FIGURE
Prepared by: A.P.	Scale: N.T.S.	3
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 051_3200.0007L_PROPOSED DEVELOPMENT PLAN.DWG		

\\SRVLACAFP1\LA SHARED\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\051_3200.0007L_PROPOSED DEVELOPMENT PLAN.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL BORING LOCATION
- ROUX BORING LOCATION
- RAMROLL SOIL VAPOR BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SAMPLE LOCATIONS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

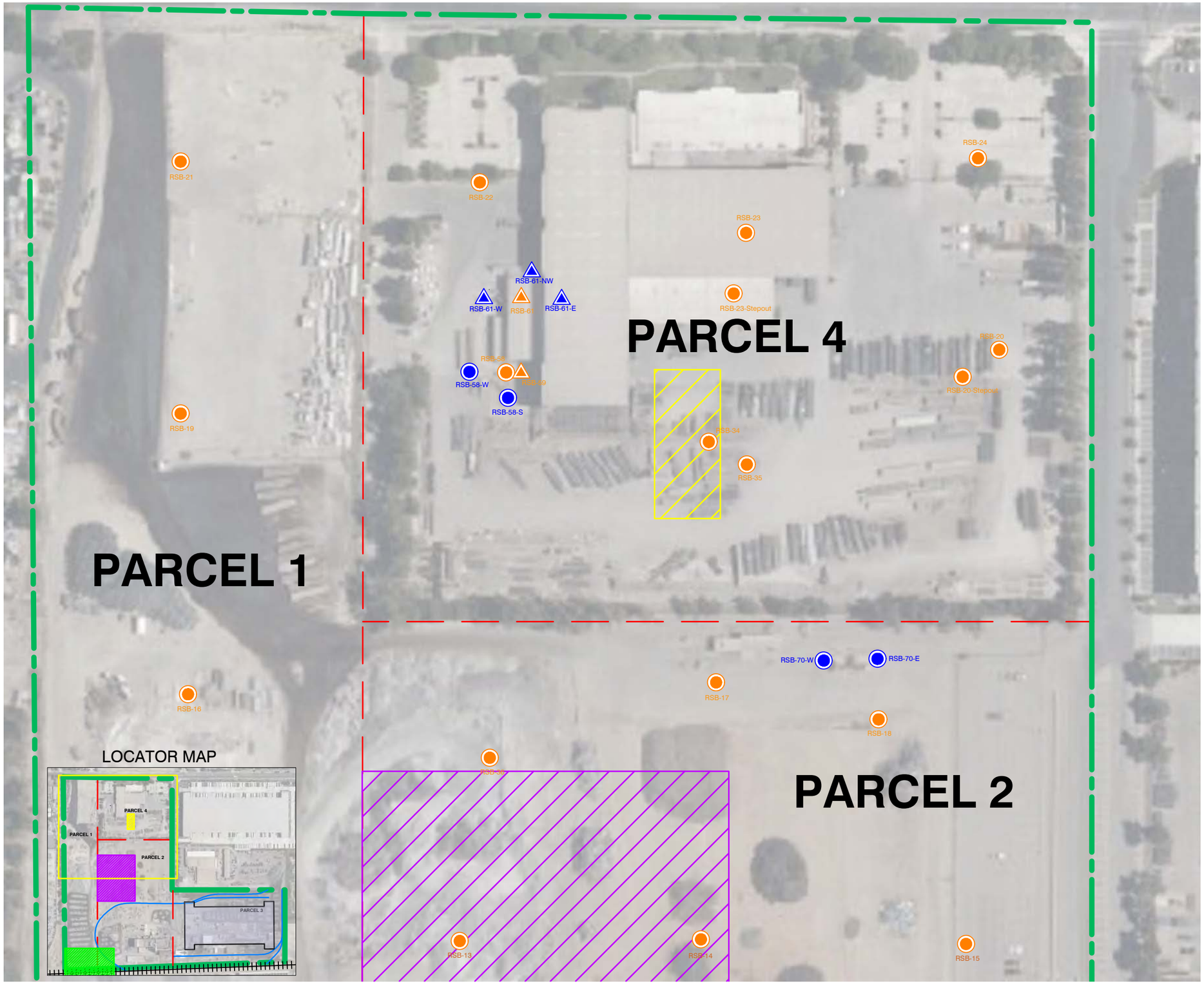
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	4
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

N

120' 0 120'

Title:

SAMPLE LOCATIONS
NORTHWEST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

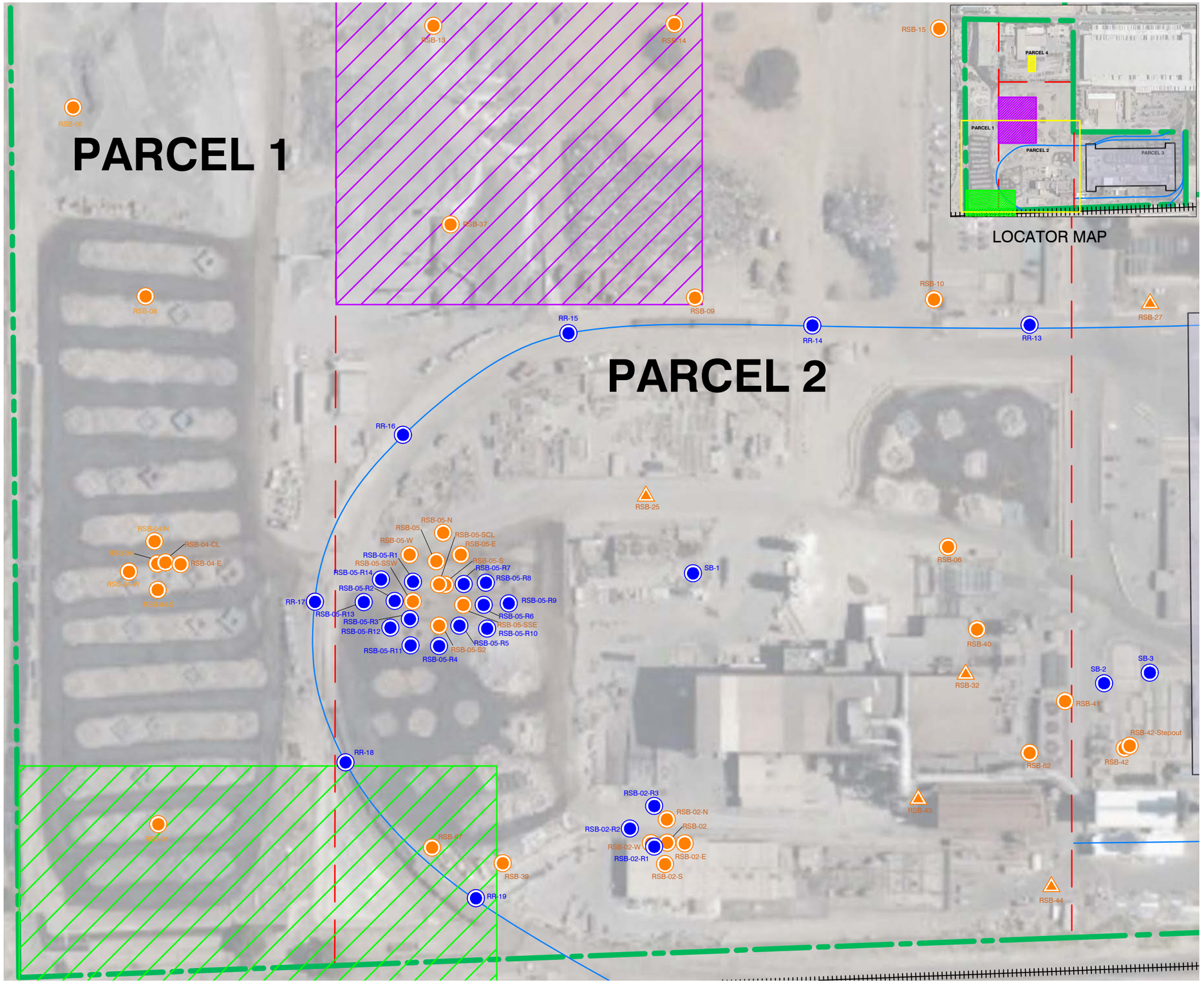
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	5
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 071_3200.0007L_NORTH PARCELS 1 AND 2 SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\071_3200.0007L_NORTH PARCELS 1 AND 2 SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

N

120' 0 120'

Title:

SAMPLE LOCATIONS SOUTHWEST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

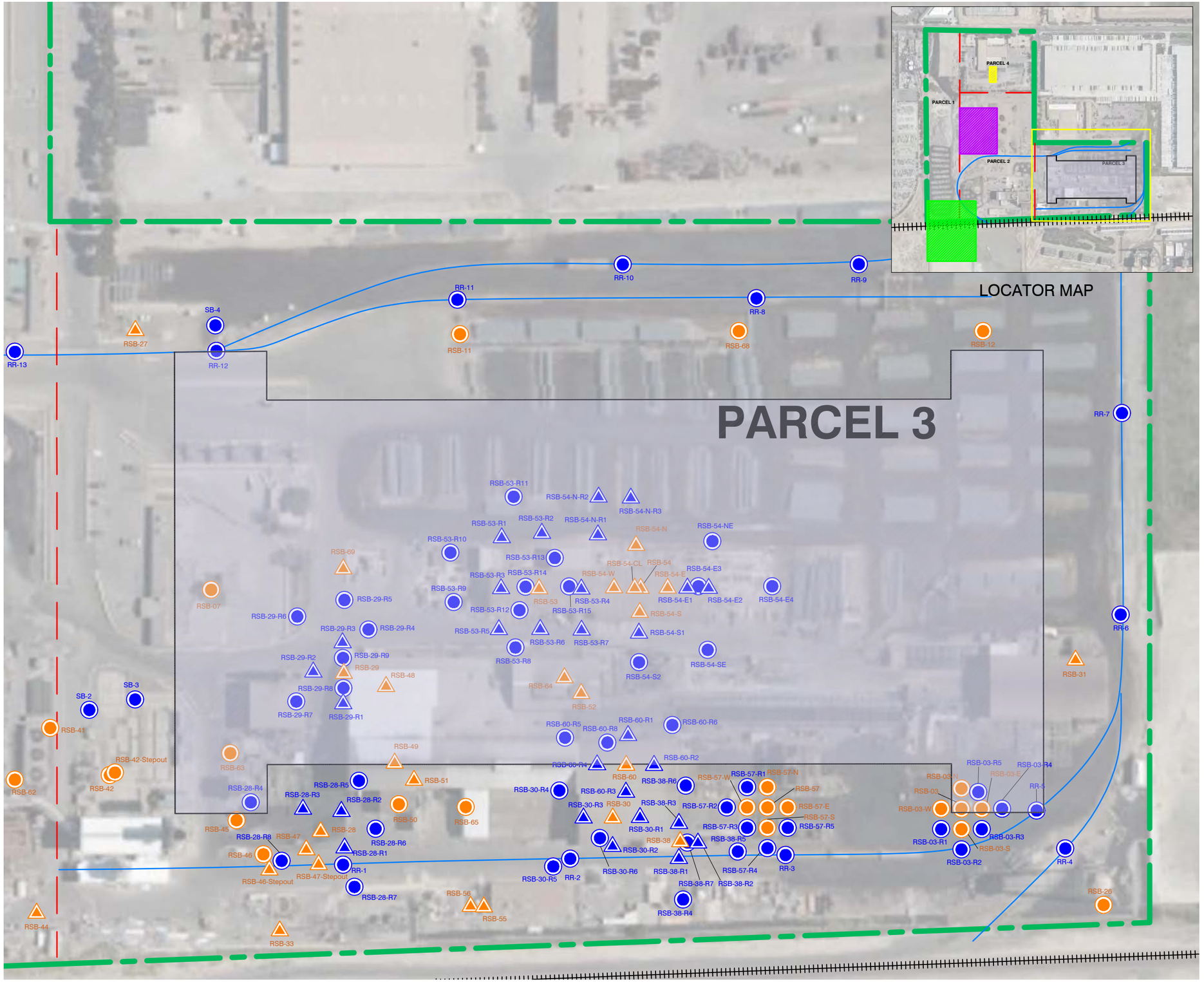
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	6
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 070_3200.0007L_SW SECTION OF SITE SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\070_3200.0007L_SW SECTION OF SITE SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

N

120' 0 120'

Title:

SAMPLE LOCATIONS SOUTHEAST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

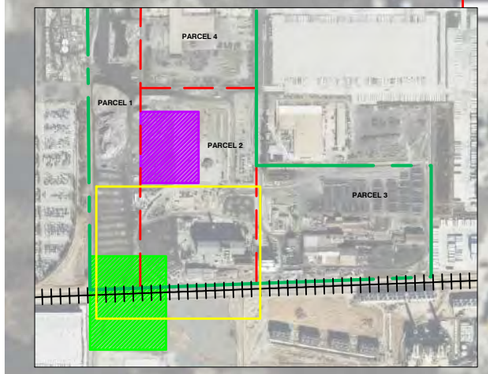
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	7
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 069_3200.0007L_SE SECTION OF SITE SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\069_3200.0007L_SE SECTION OF SITE SAMPLING LOCATIONS.DWG



LOCATOR MAP

RSB-05-N
RSB-05-SCL
RSB-05-W
RSB-05-E
RSB-05
RSB-05-S
RSB-05-R1
RSB-05-R7
RSB-05-SSW
RSB-05-R2
RSB-05-R8
RSB-05-S2
RSB-05-SSE
RSB-05-R3
RSB-05-R5
RSB-05-R4

RSB-02-R2	
Depth	Lead
1	**120**
3	**1,700**
5	**5.9**

RSB-02-R3	
Depth	Lead
1	**34**
3	**57**

RSB-02-N*	
Depth	Lead
1	**52.4**
3	**51.0**
5	**4.1**

RSB-02*	
Depth	Lead
1	**10.8**
3	**2,910**
5	**3.3**

RSB-02-R3
RSB-02-N
RSB-02-W
RSB-02-R2
RSB-02-E
RSB-02
RSB-02-S
RSB-02-R1

RSB-02-W*	
Depth	Lead
1	**92.4**
3	**2,040**
5	**5.0**

RSB-02-R1	
Depth	Lead
1	**10**
3	**28**

RSB-02-S*	
Depth	Lead
3	**8.3**
5	**3.6**

RSB-02-E*	
Depth	Lead
1	**91.5**
3	**8.3**
5	**3.6**

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RSB-09 — BORING LOCATION (RAMBOLL 2020/2021)
- RSB-02-R2 — SHALLOW SOIL BORING - LEAD ANALYSIS (ROUX 2021)
- RSB-02 — LEAD EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- RSB-05-R7 — SHALLOW SOIL BORING - TPH-D ANALYSIS (ROUX 2021)
- RSB-05 — TPH-D EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)

NOTES

1. DEPTH IS IF FEET BELOW GROUND SURFACE (BGS)
2. LEAD MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
3. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 500 MG/KG
5. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 800 MG/KG
3. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
4. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

100' 0 100'

Title:

PARCEL 2 - LEAD IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

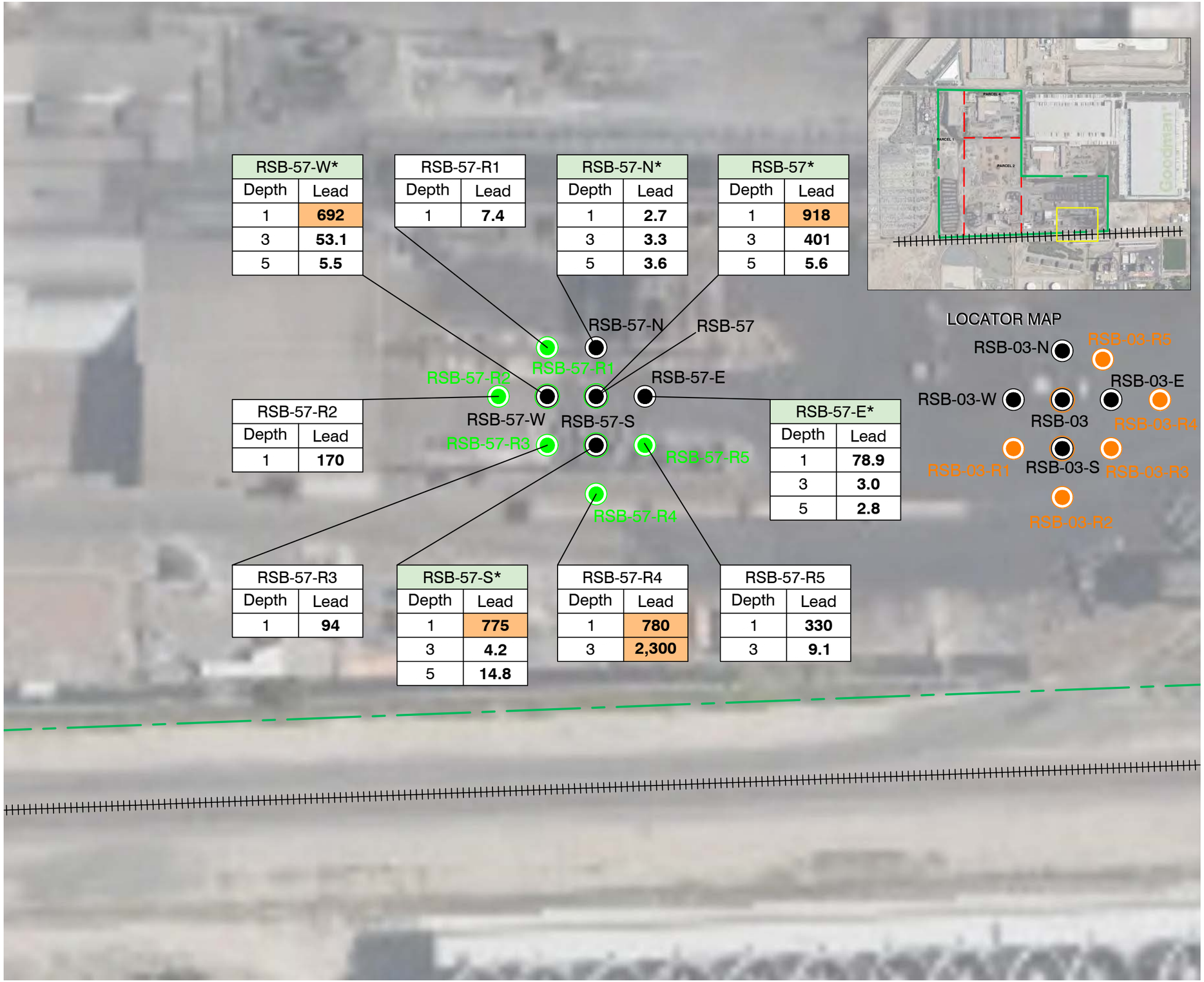
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	8
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 015_3200.0007L_PARCEL 2 LEAD DATA.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\015_3200.0007L_PARCEL 2 LEAD DATA.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- RSB-57 — BORING LOCATION (RAMBOLL 2020/2021)
- RSB-57-3 — SHALLOW SOIL BORING (ROUX 2021)
- RSB-57S — LEAD EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- RSB-03-R1 — SHALLOW SOIL BORING (ROUX 2021)
- RSB-03-S — TPH-D EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)

NOTES

1. DEPTH IS IF FEET BELOW GROUND SURFACE (BGS)
2. LEAD MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
3. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 500 MG/KG
5. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 800 MG/KG
3. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
4. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

50' 0 50'

Title:
SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL

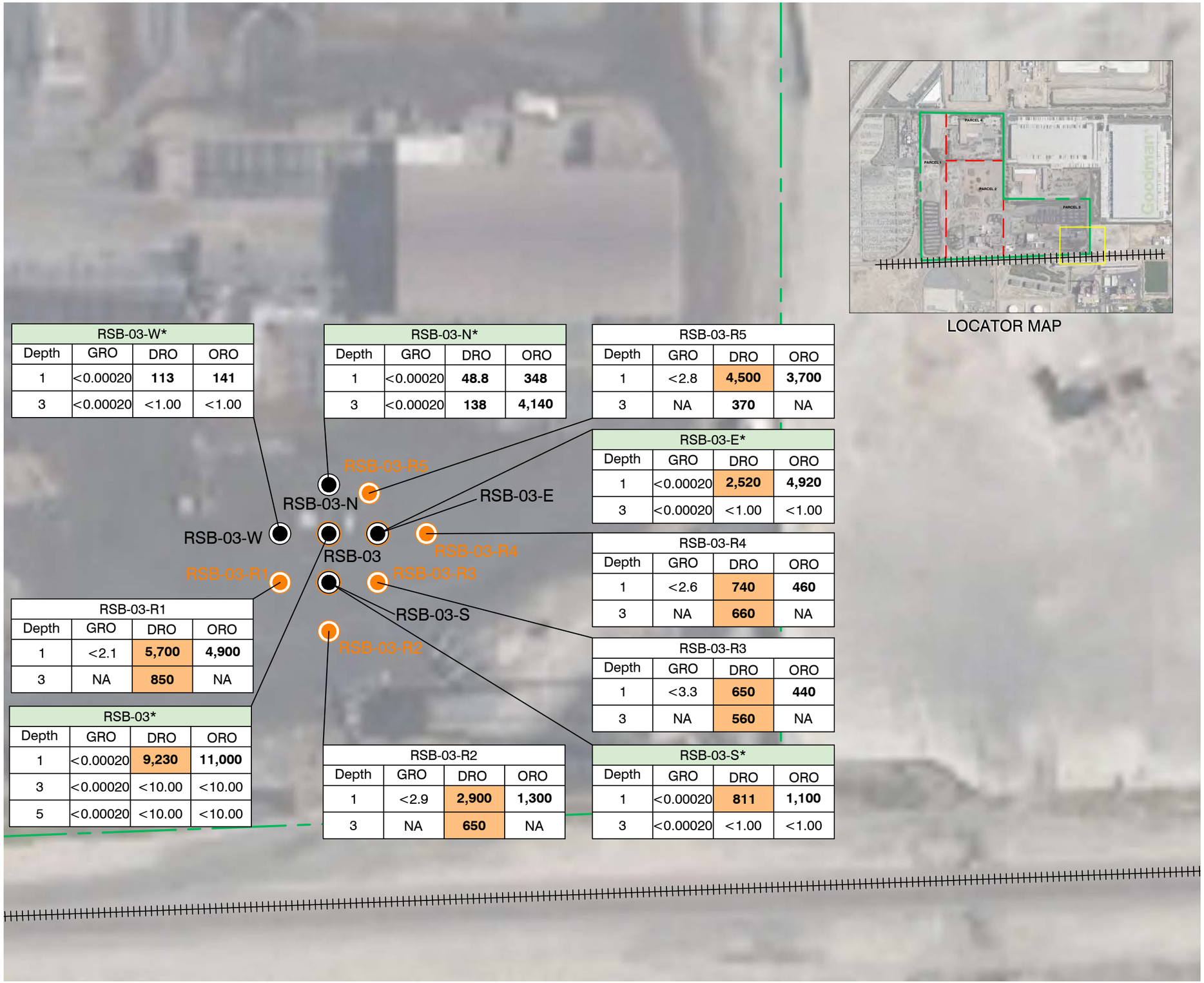
12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	9
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 012_3200.0007L_SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL.DWG		

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RSB-03-W*			
Depth	GRO	DRO	ORO
1	<0.00020	**113**	**141**
3	<0.00020	<1.00	<1.00

RSB-03-N*			
Depth	GRO	DRO	ORO
1	<0.00020	**48.8**	**348**
3	<0.00020	**138**	**4,140**

RSB-03-R5			
Depth	GRO	DRO	ORO
1	<2.8	**4,500**	**3,700**
3	NA	**370**	NA

RSB-03-E*			
Depth	GRO	DRO	ORO
1	<0.00020	**2,520**	**4,920**
3	<0.00020	<1.00	<1.00

RSB-03-R4			
Depth	GRO	DRO	ORO
1	<2.6	**740**	**460**
3	NA	**660**	NA

RSB-03-R1			
Depth	GRO	DRO	ORO
1	<2.1	**5,700**	**4,900**
3	NA	**850**	NA

RSB-03-R3			
Depth	GRO	DRO	ORO
1	<3.3	**650**	**440**
3	NA	**560**	NA

RSB-03*			
Depth	GRO	DRO	ORO
1	<0.00020	**9,230**	**11,000**
3	<0.00020	<10.00	<10.00
5	<0.00020	<10.00	<10.00

RSB-03-R2			
Depth	GRO	DRO	ORO
1	<2.9	**2,900**	**1,300**
3	NA	**650**	NA

RSB-03-S*			
Depth	GRO	DRO	ORO
1	<0.00020	**811**	**1,100**
3	<0.00020	<1.00	<1.00

LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- RSB-03-W — BORING LOCATION (RAMBOLL 2020/2021)
- RSB-03-R1 — SHALLOW SOIL BORING (ROUX 2021)
- RSB-03-S — TPH-d EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)

NOTES

1. DEPTH IS IF FEET BELOW GROUND SURFACE (BGS)
2. GRO = TOTAL PETROLEUM HYDROCARBONS IN THE GASOLINE RANGE
3. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
4. ORO = TOTAL PETROLEUM HYDROCARBONS IN THE OIL RANGE
5. TPH MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
6. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED THE SCREENING LEVELS
7. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) HUMAN AND ECOLOGICAL RISK OFFICE (HERO) HUMAN HEALTH RISK ASSESSMENT (HHRA) NOTE 3 INDUSTRIAL SOIL SCREENING LEVEL FOR GRO IS NOT SPECIFIED, FOR DRO IS 500 MG/KG, AND FOR ORO IS 18,000 MG/KG
8. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LEVEL
9. NA = NOT ANALYZED
10. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
11. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

50' 0 50'

Title: **SOUTHERN PORTION OF PARCEL 3 - TPH IN SOIL**

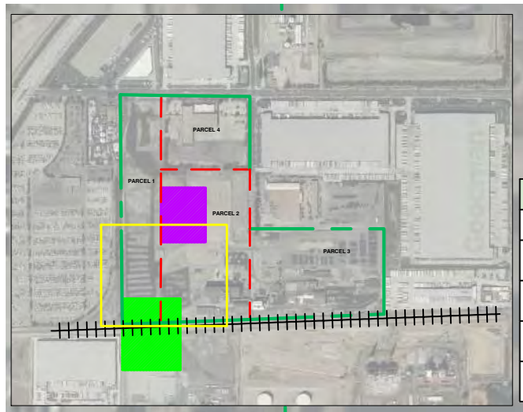
12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.MOK	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	10
Project Mgr: R.Q.	Project: 3200.0007L	
File: 013_3200.0007L_SOUTHERN PORTION OF PARCEL 3 SOIL BORINGS WITH TPH.DWG		

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LOCATOR MAP

PARCEL 1

PARCEL 2

RSB-05-SCL*			
Depth	GRO	DRO	ORO
0.5	NA	<10.0	NA
1	NA	<10.0	NA
3	NA	<10.0	NA
5	NA	<10.0	NA

RSB-05*			
Depth	GRO	DRO	ORO
1	<0.00020	**2,210**	**1,810**
3	<0.00020	<1.0	<1.0
5	<0.00020	<1.0	<1.0

RSB-05-N*			
Depth	GRO	DRO	ORO
3	<0.00020	<1.0	<1.0

RSB-05-E*			
Depth	GRO	DRO	ORO
1	<0.00020	<1.0	<1.0
3	<0.00020	<1.0	<1.0

RSB-05-S*			
Depth	GRO	DRO	ORO
1	<0.00020	**672**	**607**
3	<0.00020	**6,000**	**7,310**

RSB-05-R7			
Depth	GRO	DRO	ORO
1	<2.5	**52**	**19**

RSB-05-R6			
Depth	GRO	DRO	ORO
1	<2.2	**3,100**	**2,200**

RSB-05-SSE*			
Depth	GRO	DRO	ORO
0.5	NA	**1,040**	NA
1	NA	<10.0	NA
3	NA	<10.0	NA
5	NA	<10.0	NA

RSB-05-R5			
Depth	GRO	DRO	ORO
1	<3.2	**440**	<10

RSB-05-R4			
Depth	GRO	DRO	ORO
1	<2.9	<10	<10

RSB-05-W*			
Depth	GRO	DRO	ORO
1	<0.00020	<1.0	<1.0
3	<0.00020	<1.0	<1.0

RSB-05-R1			
Depth	GRO	DRO	ORO
1	<2.6	**2,300**	**850**
3	NA	<10	NA

RSB-05-R2			
Depth	GRO	DRO	ORO
1	<2.4	**2,200**	**1,300**
3	NA	<10	NA

RSB-05-SSW*			
Depth	GRO	DRO	ORO
0.5	NA	**1,800**	NA
1	NA	<10.0	NA
3	NA	<10.0	NA
5	NA	<10.0	NA

RSB-05-R3			
Depth	GRO	DRO	ORO
1	<3.0	**1,000**	350
3	NA	<10	NA

RSB-05-S2*			
Depth	GRO	DRO	ORO
0.5	NA	**7,590**	NA
1	NA	<10.0	NA
3	NA	<10.0	NA
5	NA	<10.0	NA

RSB-05
RSB-05-N
RSB-05-E
RSB-05-SCL
RSB-05-W
RSB-05-S
RSB-05-R1
RSB-05-R7
RSB-05-R2
RSB-05-R6
RSB-05-SSE
RSB-05-R5
RSB-05-SSW
RSB-05-S2
RSB-05-R3
RSB-05-R4

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RSB-09 — BORING LOCATION (RAMBOLL 2020/2021)
- RSB-05-R7 — SHALLOW SOIL BORING - TPH-D ANALYSIS (ROUX 2021)
- RSB-05 — TPH-D EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)

NOTES

1. DEPTH IS IF FEET BELOW GROUND SURFACE (BGS)
2. GRO = TOTAL PETROLEUM HYDROCARBONS IN THE GASOLINE RANGE
3. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
4. ORO = TOTAL PETROLEUM HYDROCARBONS IN THE OIL RANGE
5. TPH MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
6. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED THE SCREENING LEVEL
7. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) HUMAN AND ECOLOGICAL RISK OFFICE (HERO) HUMAN HEALTH RISK ASSESSMENT (HHRA) NOTE 3 INDUSTRIAL SOIL SCREENING LEVEL FOR GRO IS NOT SPECIFIED, FOR DRO IS 500 MG/KG, AND FOR ORO IS 18,000 MG/KG
8. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LEVEL
9. NA = NOT ANALYZED
10. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
11. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

100' 0 100'

Title:

PARCEL 2 - TPH IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

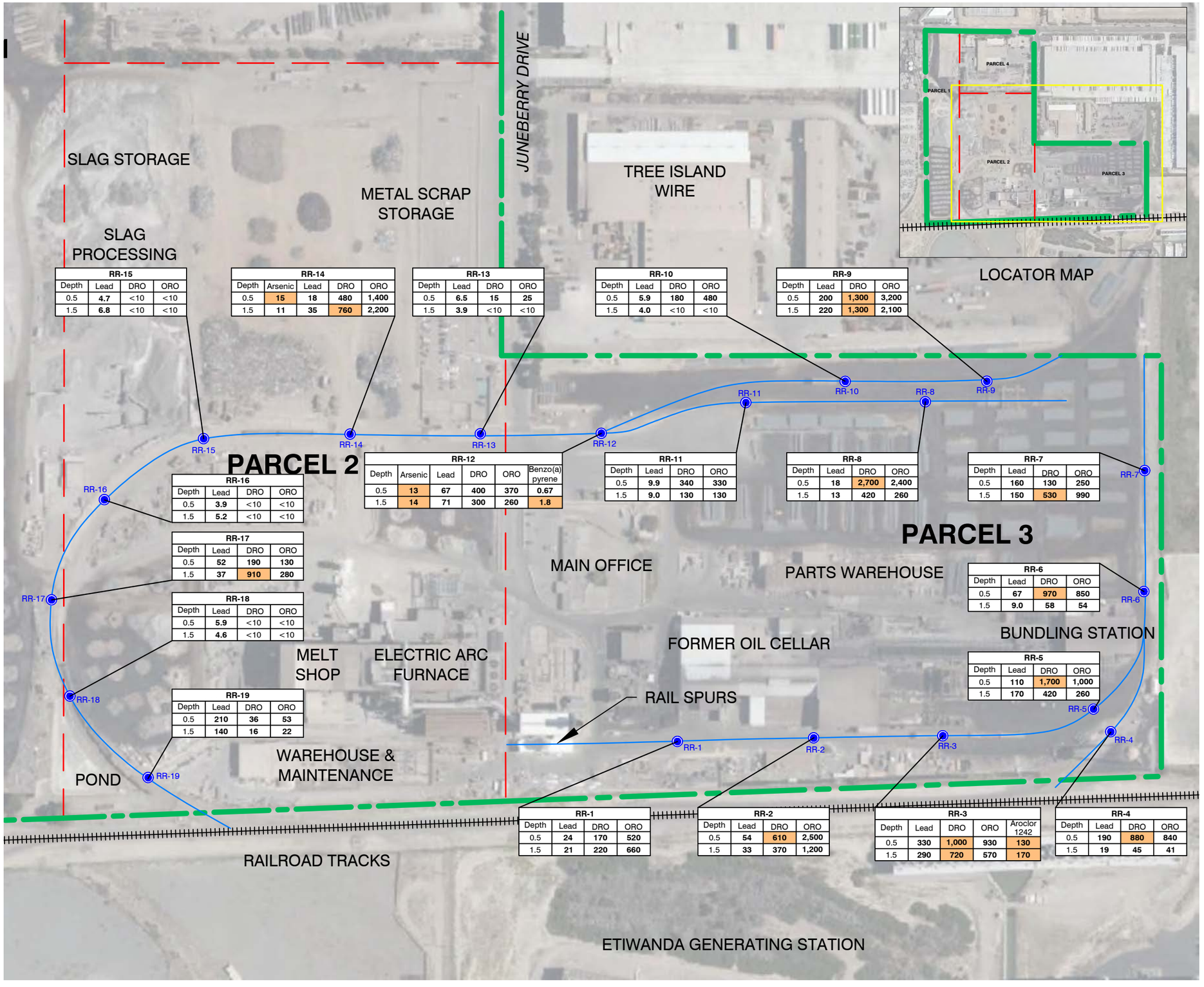
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 6 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	11
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 014_3200.0007L_PARCEL 2 TPH DATA.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\014_3200.0007L_PARCEL 2 TPH DATA.DWG



RR-15

Depth	Lead	DRO	ORO
0.5	**4.7**	<10	<10
1.5	**6.8**	<10	<10

RR-14

Depth	Arsenic	Lead	DRO	ORO
0.5	**15**	**18**	**480**	**1,400**
1.5	**11**	**35**	**760**	**2,200**

RR-13

Depth	Lead	DRO	ORO
0.5	**6.5**	**15**	**25**
1.5	**3.9**	<10	<10

RR-10

Depth	Lead	DRO	ORO
0.5	**5.9**	**180**	**480**
1.5	**4.0**	<10	<10

RR-9

Depth	Lead	DRO	ORO
0.5	**200**	**1,300**	**3,200**
1.5	**220**	**1,300**	**2,100**

RR-16

Depth	Lead	DRO	ORO
0.5	**3.9**	<10	<10
1.5	**5.2**	<10	<10

RR-12

Depth	Arsenic	Lead	DRO	ORO	Benzo(a) pyrene
0.5	**13**	**67**	**400**	**370**	**0.67**
1.5	**14**	**71**	**300**	**260**	**1.8**

RR-11

Depth	Lead	DRO	ORO
0.5	**9.9**	**340**	**330**
1.5	**9.0**	**130**	**130**

RR-8

Depth	Lead	DRO	ORO
0.5	**18**	**2,700**	**2,400**
1.5	**13**	**420**	**260**

RR-7

Depth	Lead	DRO	ORO
0.5	**160**	**130**	**250**
1.5	**150**	**530**	**990**

RR-17

Depth	Lead	DRO	ORO
0.5	**52**	**190**	**130**
1.5	**37**	**910**	**280**

RR-6

Depth	Lead	DRO	ORO
0.5	**67**	**970**	**850**
1.5	**9.0**	**58**	**54**

RR-18

Depth	Lead	DRO	ORO
0.5	**5.9**	<10	<10
1.5	**4.6**	<10	<10

RR-5

Depth	Lead	DRO	ORO
0.5	**110**	**1,700**	**1,000**
1.5	**170**	**420**	**260**

RR-19

Depth	Lead	DRO	ORO
0.5	**210**	**36**	**53**
1.5	**140**	**16**	**22**

RR-1

Depth	Lead	DRO	ORO
0.5	**24**	**170**	**520**
1.5	**21**	**220**	**660**

RR-2

Depth	Lead	DRO	ORO
0.5	**54**	**610**	**2,500**
1.5	**33**	**370**	**1,200**

RR-3

Depth	Lead	DRO	ORO	Aroclor 1242
0.5	**330**	**1,000**	**930**	**130**
1.5	**290**	**720**	**570**	**170**

RR-4

Depth	Lead	DRO	ORO
0.5	**190**	**880**	**840**
1.5	**19**	**45**	**41**

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARIES
- RAIL SPURS
- RR-1 RAIL SPUR SOIL SAMPLE LOCATIONS (ROUX, 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. TPH-d = TOTAL PETROLEUM HYDROCARBONS AS DIESEL
3. TPH-o = TOTAL PETROLEUM HYDROCARBONS AS OIL
4. CONCENTRATIONS ARE IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
5. ORANGE HIGHLIGHT INDICATE RESULTS EXCEED SCREENING LEVELS
6. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES (DTSC) HUMAN AND ECOLOGICAL RISK OFFICE (HERO) HUMAN HEALTH RISK ASSESSMENT (HHRA) NOTE 3 INDUSTRIAL SCREENING LEVEL FOR LEAD IS 500 MG/KG, FOR TPH-d IS 500 MG/KG, AND FOR TPH-o IS 18,000 MG/KG
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

N

200' 0 200'

Title:

RAIL SPURS PARCELS 2 AND 3 EXCEEDANCES IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

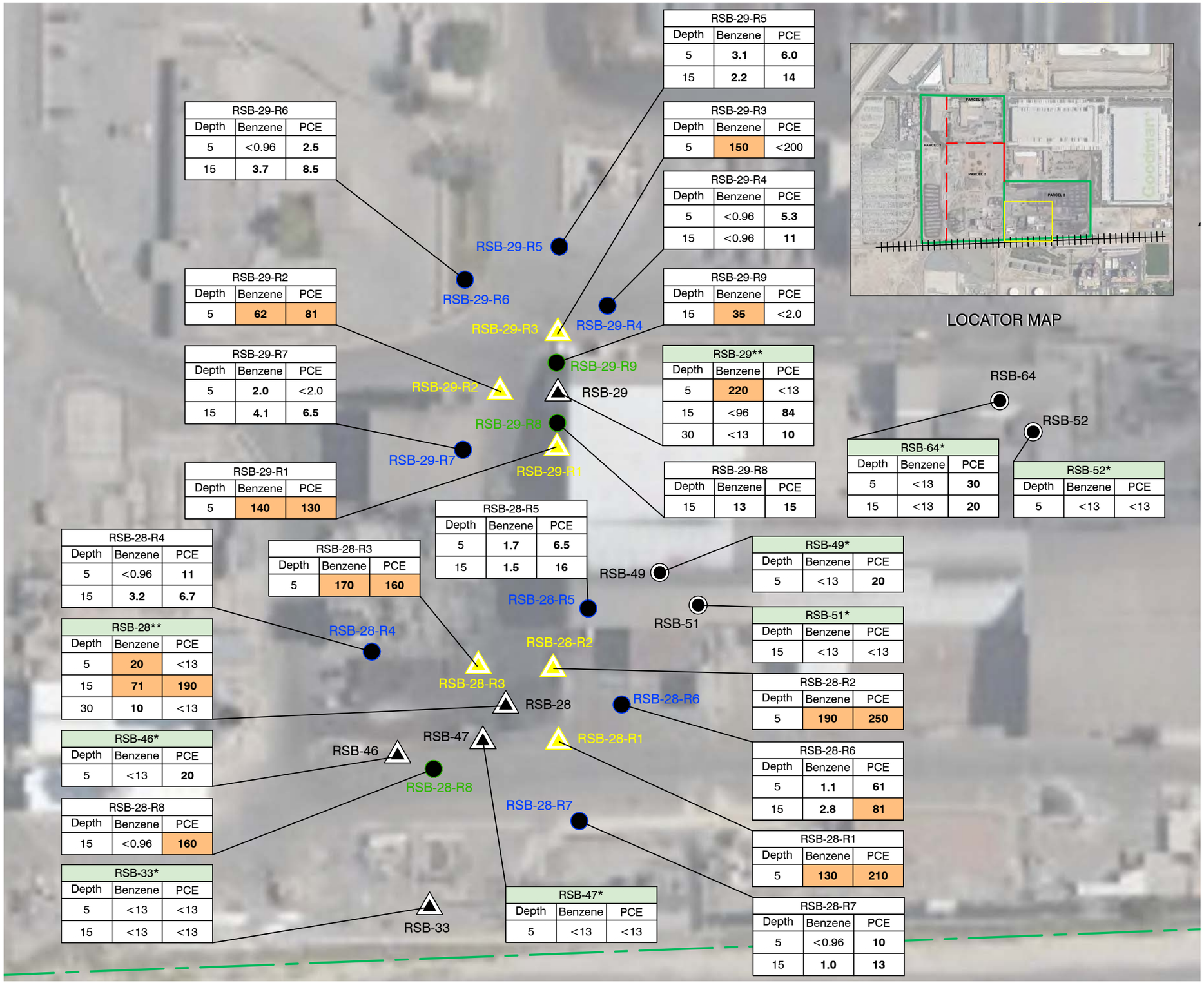
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 2 MARCH 2023
Prepared by: M.B.	Scale: AS SHOWN
Project Mgr: M.J.N.	Project: 3200.0007L
File: 074_3200.0007L_RAIL SPUR WITH LEAD AND TPH.DWG	

FIGURE 12

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\074_3200.0007L_RAIL SPUR WITH LEAD AND TPH.DWG



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- RSB-57 — BORING LOCATION (RAMBOLL 2020/2021)
- RSB-54 — SOIL VAPOR LOCATION (RAMBOLL 2020/2021)
- RSB-26-R1 — SOIL VAPOR PROBE (ROUX 2021)
- RSB-53-R11 — DUAL-NESTED SOIL VAPOR PROBE - 5, 15 FEET BGS (ROUX 2022)
- RSB-29-R5 — SOIL VAPOR PROBE - 15 FEET BGS (ROUX 2022)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. BENZENE AND PCE MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
3. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3 AND FOR PCE IS 67 UG/M^3
4. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 57 UG/M^3 AND NO ESTABLISHED SCREENING LEVEL FOR PCE
5. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
6. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
7. * = ALL SAMPLES WERE COLLECTED BY RAMBOLL IN 2020/2021
8. ** = 5 FOOT AND 30 FOOT SAMPLES WERE COLLECTED BY RAMBOLL IN 2020/2021, 15 FOOT SAMPLE WAS COLLECTED BY ROUX

N

60' 0 60'

Title:
SOUTHWESTERN PORTION OF PARCEL 3 PCE & BENZENE IN SOIL VAPOR

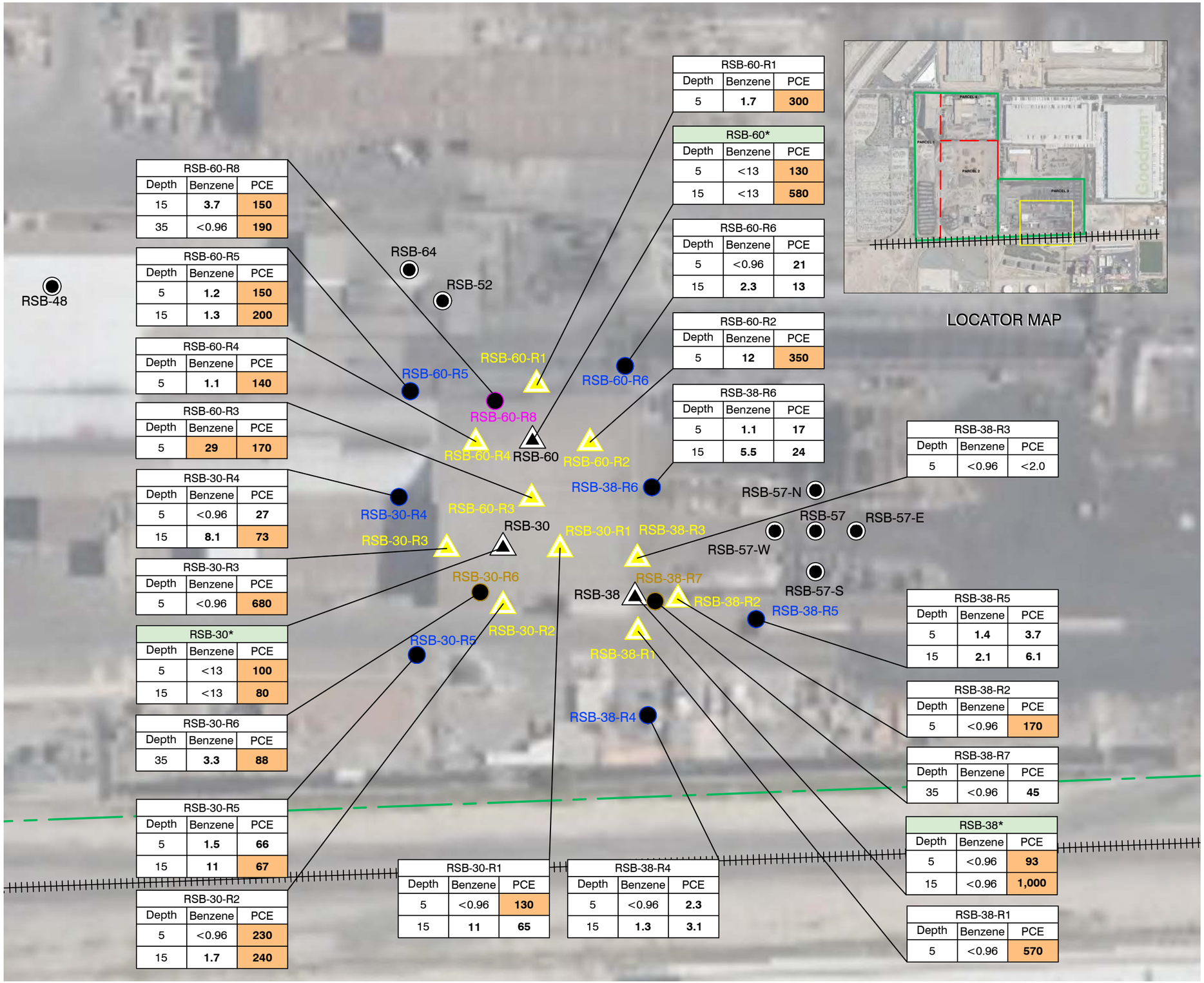
12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 7 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 60'	13
Project Mgr: M.J.N	Project: 3200.0007L	
File: 031_3200.0007L_SW PORTION OF PARCEL 3 PCE & BENZENE.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\031_3200.0007L_SW PORTION OF PARCEL 3 PCE & BENZENE.DWG



RSB-60-R8		
Depth	Benzene	PCE
15	**3.7**	**150**
35	<0.96	**190**

RSB-60-R5		
Depth	Benzene	PCE
5	**1.2**	**150**
15	**1.3**	**200**

RSB-60-R4		
Depth	Benzene	PCE
5	**1.1**	**140**

RSB-60-R3		
Depth	Benzene	PCE
5	**29**	**170**

RSB-30-R4		
Depth	Benzene	PCE
5	<0.96	**27**
15	**8.1**	**73**

RSB-30-R3		
Depth	Benzene	PCE
5	<0.96	**680**

RSB-30*		
Depth	Benzene	PCE
5	<13	**100**
15	<13	**80**

RSB-30-R6		
Depth	Benzene	PCE
35	**3.3**	**88**

RSB-30-R5		
Depth	Benzene	PCE
5	**1.5**	**66**
15	**11**	**67**

RSB-30-R2		
Depth	Benzene	PCE
5	<0.96	**230**
15	**1.7**	**240**

RSB-60-R1		
Depth	Benzene	PCE
5	**1.7**	**300**

RSB-60*		
Depth	Benzene	PCE
5	<13	**130**
15	<13	**580**

RSB-60-R6		
Depth	Benzene	PCE
5	<0.96	**21**
15	**2.3**	**13**

RSB-60-R2		
Depth	Benzene	PCE
5	**12**	**350**

RSB-38-R6		
Depth	Benzene	PCE
5	**1.1**	**17**
15	**5.5**	**24**

RSB-30-R1		
Depth	Benzene	PCE
5	<0.96	**130**
15	**11**	**65**

RSB-38-R4		
Depth	Benzene	PCE
5	<0.96	**2.3**
15	**1.3**	**3.1**

RSB-38-R3		
Depth	Benzene	PCE
5	<0.96	<2.0

RSB-38-R5		
Depth	Benzene	PCE
5	**1.4**	**3.7**
15	**2.1**	**6.1**

RSB-38-R2		
Depth	Benzene	PCE
5	<0.96	**170**

RSB-38-R7		
Depth	Benzene	PCE
35	<0.96	**45**

RSB-38*		
Depth	Benzene	PCE
5	<0.96	**93**
15	<0.96	**1,000**

RSB-38-R1		
Depth	Benzene	PCE
5	<0.96	**570**

LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- RSB-57 — BORING LOCATION (RAMBOLL 2020/2021)
- RSB-54 — SOIL VAPOR LOCATION (RAMBOLL 2020/2021)
- RSB-54-E — ROUX 2021 STEP OUT SOIL VAPOR LOCATION FOR VOC ANALYSIS
- RSB-53-R11 — DUAL-NESTED SOIL VAPOR PROBE - 5, 15 FEET BGS (ROUX 2022)
- RSB-60-R8 — DUAL-NESTED SOIL VAPOR PROBE - 15, 35 FEET BGS (ROUX 2022)
- RSB-30-R6 — SOIL VAPOR PROBE - 35 FEET BGS (ROUX 2022)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE AND BENZENE MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3 AND FOR PCE IS 67 UG/M^3
6. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 53 UG/M^3 AND NO ESTABLISHED SCREENING LEVEL FOR PCE
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
8. GREEN HIGHLIGHT INDICATES DATA COLLECTED BY RAMBOLL
9. * = 5 FOOT SAMPLE WAS COLLECTED BY RAMBOLL IN 2020/2021, 15 FOOT SAMPLE WAS COLLECTED BY ROUX IN 2021

N

60' 0 60'

Title:

SOUTHERN PORTION OF PARCEL 3 PCE AND BENZENE IN SOIL VAPOR

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 9 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 60'	14
Project Mgr: M.J.N	Project: 3200.0007L	
File: 033_3200.0007L_SOUTHERN PORTION OF PARCEL 3 PCE & BENZENE.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\033_3200.0007L_SOUTHERN PORTION OF PARCEL 3 PCE & BENZENE.DWG

RSB-53-N-R1		
Depth	Benzene	PCE
15	<0.96	**150**

RSB-53-N-R2		
Depth	Benzene	PCE
15	<1.0	**35**

RSB-54-N**		
Depth	Benzene	PCE
5	<13	**10**
15	<13	**110**
35	<13	**100**

RSB-53-N-R3		
Depth	Benzene	PCE
15	<0.96	**14**

RSB-54-CL**		
Depth	Benzene	PCE
15	<25	**7,800**
35	<25	**240**

RSB-54**		
Depth	Benzene	PCE
5	<13	**100,000**
5	<500	**34,000**

RSB-54-E**		
Depth	Benzene	PCE
5	<25	**3,100**
15	<25	**1,900**
35	<13	**80**

RSB-53-N-R11		
Depth	Benzene	PCE
5	<0.96	**23**
15	<0.96	**44**

RSB-53-R2		
Depth	Benzene	PCE
5	<1.9	**82**

RSB-53-R13		
Depth	Benzene	PCE
15	<2.4	**880**

RSB-53-R1		
Depth	Benzene	PCE
5	<0.96	**88**

RSB-53-R10		
Depth	Benzene	PCE
5	<0.96	**55**
15	**1.1**	**24**

RSB-53-R3		
Depth	Benzene	PCE
5	<0.96	**200**

RSB-53-R9		
Depth	Benzene	PCE
5	<0.96	**25**
15	<0.96	**45**

RSB-53-R14		
Depth	Benzene	PCE
35	**3.7**	**540**

RSB-53*		
Depth	Benzene	PCE
5	<13	**210**
RSB-53*		
15	<0.96	**1,100**

RSB-53-R5		
Depth	Benzene	PCE
5	<0.96	**93**

RSB-53-R12		
Depth	Benzene	PCE
15	<0.96	**210**

RSB-53-R6		
Depth	Benzene	PCE
5	<1.0	**100**

RSB-53-R8		
Depth	Benzene	PCE
5	<0.96	**440**
15	<0.96	**460**

RSB-53-R7		
Depth	Benzene	PCE
5	<1.3	**190**

RSB-53-R4		
Depth	Benzene	PCE
5	<0.96	**1,300**

RSB-53-R15		
Depth	Benzene	PCE
15	**1.3**	**660**
35	**1.2**	**840**

RSB-54-W**		
Depth	Benzene	PCE
5	<13	**170**
15	<13	**410**
35	<13	**580**

RSB-54-S2		
Depth	Benzene	PCE
5	**1.3**	**23**
15	<0.96	**22**
35	**1.9**	**12**

RSB-54-E3		
Depth	Benzene	PCE
35	<3.8	**860**

RSB-54-NE		
Depth	Benzene	PCE
5	<0.96	**12**
15	<0.96	**47**
35	<0.96	**62**

RSB-54-E1		
Depth	Benzene	PCE
5	<1.0	**790**
15	<10	**2,500**

RSB-54-E2		
Depth	Benzene	PCE
5	<5.1	**1,500**
15	<5.1	**1,700**

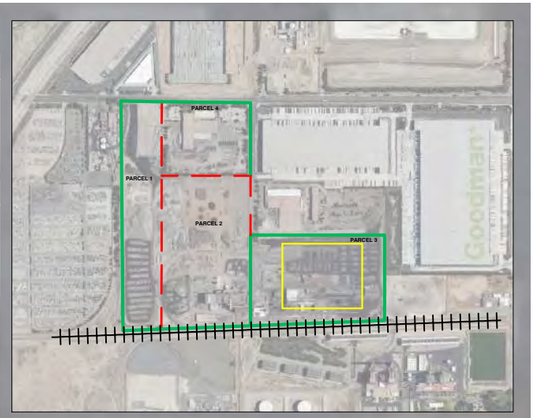
RSB-54-E4		
Depth	Benzene	PCE
5	<0.96	**2.7**
15	**1.2**	**2.2**
35	<0.96	**8.0**

RSB-54-S**		
Depth	Benzene	PCE
5	<13	**330**
15	<13	**180**
35	<13	**50**

RSB-54-SE		
Depth	Benzene	PCE
5	<0.96	**3.8**
15	<0.96	**14**
35	<0.96	**30**

RSB-54-S1		
Depth	Benzene	PCE
5	<0.96	**180**
15	<0.96	**570**

RSB-53-R11 RSB-54-N-R2 RSB-54-N-R3 RSB-53-R2 RSB-54-N-R1 RSB-54-N RSB-53-R1 RSB-53-R13 RSB-53-R10 RSB-54-NE RSB-53-R14 RSB-53-R15 RSB-54-CL RSB-54 RSB-54-E1 RSB-54-E2 RSB-53-R3 RSB-53 RSB-53-R4 RSB-54-W RSB-54-E RSB-54-E3 RSB-54-E4 RSB-53-R9 RSB-53-R12 RSB-53-R7 RSB-54-S RSB-53-R5 RSB-53-R6 RSB-54-S1 RSB-53-R8 RSB-54-SE RSB-54-S2



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- RSB-54 — SOIL VAPOR LOCATION (RAMBOLL 2020/2021)
- RSB-54-E — ROUX 2021 STEP OUT SOIL VAPOR LOCATION FOR VOC ANALYSIS
- RSB-54-NE — TRIPLE-NESTED SOIL VAPOR PROBE - 5, 10, 35 FEET BGS (ROUX 2022)
- RSB-53-R11 — DUAL-NESTED SOIL VAPOR PROBE - 5, 15 FEET BGS (ROUX 2022)
- RSB-60-R8 — DUAL-NESTED SOIL VAPOR PROBE - 15, 35 FEET BGS (ROUX 2022)
- RSB-29-R5 — SOIL VAPOR PROBE - 15 FEET BGS (ROUX 2022)
- RSB-30-R6 — SOIL VAPOR PROBE - 35 FEET BGS (ROUX 2022)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE AND BENZENE MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3 AND FOR PCE IS 67 UG/M^3
6. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 53 UG/M^3 AND NO ESTABLISHED SCREENING LEVEL FOR PCE
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
8. GREEN HIGHLIGHT INDICATES DATA COLLECTED BY RAMBOLL
9. * = 5 FOOT SAMPLE WAS TAKEN BY RAMBOLL IN 2020/2021, 15 FOOT SAMPLE WAS TAKEN BY ROUX IN 2021
10. ** = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

60' 0 60'

Title:

NORTHERN PORTION OF PARCEL 3 PCE AND BENZENE IN SOIL VAPOR

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

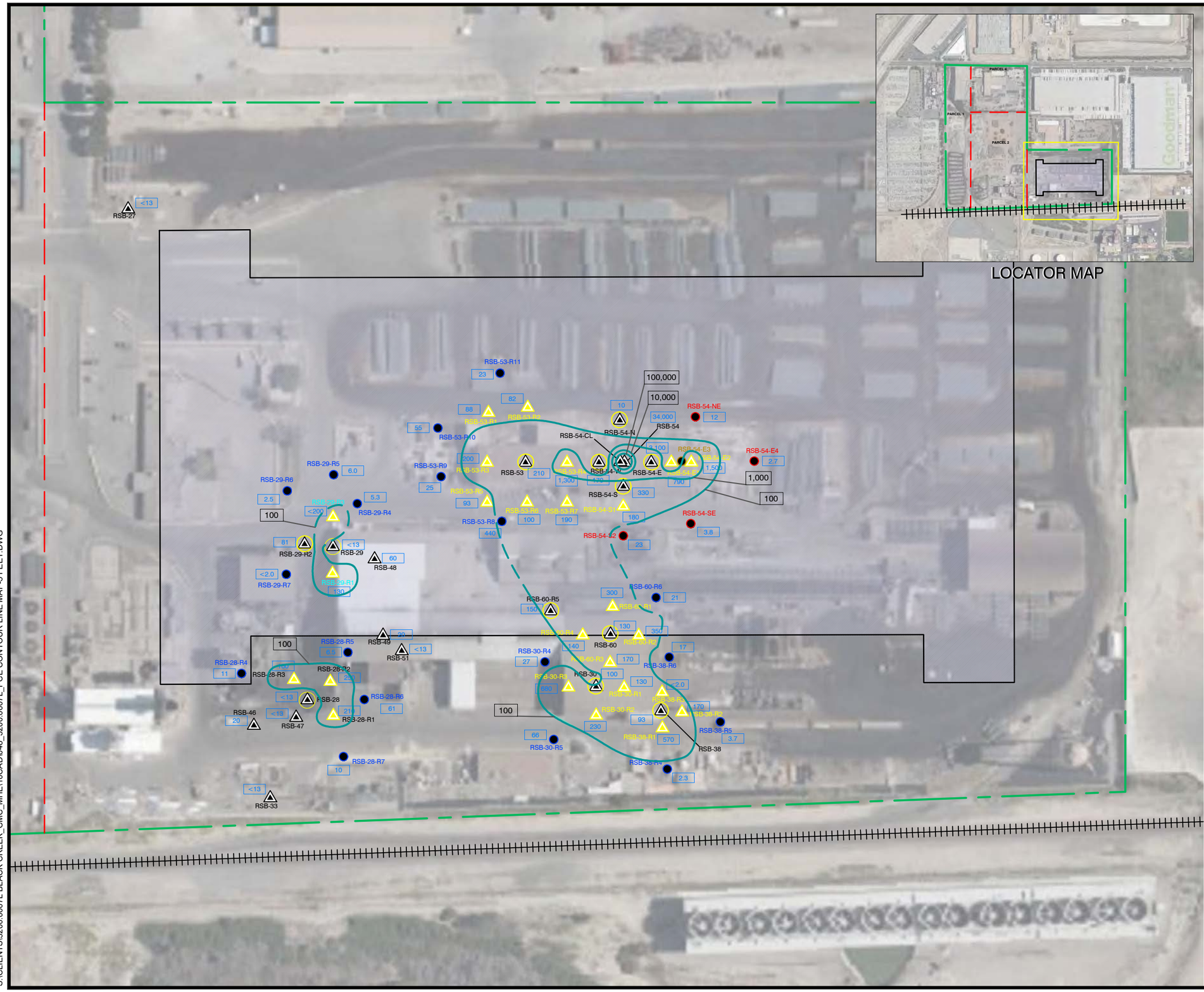
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 10 MARCH 2023
Prepared by: M.B.	Scale: 1" = 60'
Project Mgr: M.J.N	Project: 3200.0007L
File: 032_3200.0007L_NORTHERN PORTION OF PARCEL 3 PCE & BENZENE.DWG	

FIGURE 15

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\032_3200.0007L_NORTHERN PORTION OF PARCEL 3 PCE & BENZENE.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 5 FEET BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021)
- RSB-54-E — SOIL VAPOR PROBE (ROUX 2021)
- RSB-54 — PCE EXCEEDANCE IN SOIL VAPOR (RAMBOLL 2020/2021)
- RSB-54-NE — TRIPLE-NESTED SOIL VAPOR PROBE - 5, 10, 35 FEET BGS (ROUX 2022)
- RSB-53-R11 — DUAL-NESTED SOIL VAPOR PROBE - 5, 15 FEET BGS (ROUX 2022)
- INTERPRETED PCE CONTOUR LINE - 5 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)

N

120' 0 120'

Title:

PARCEL 3 WITH PCE ISO_CONCENTRATION CONTOURS 5 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

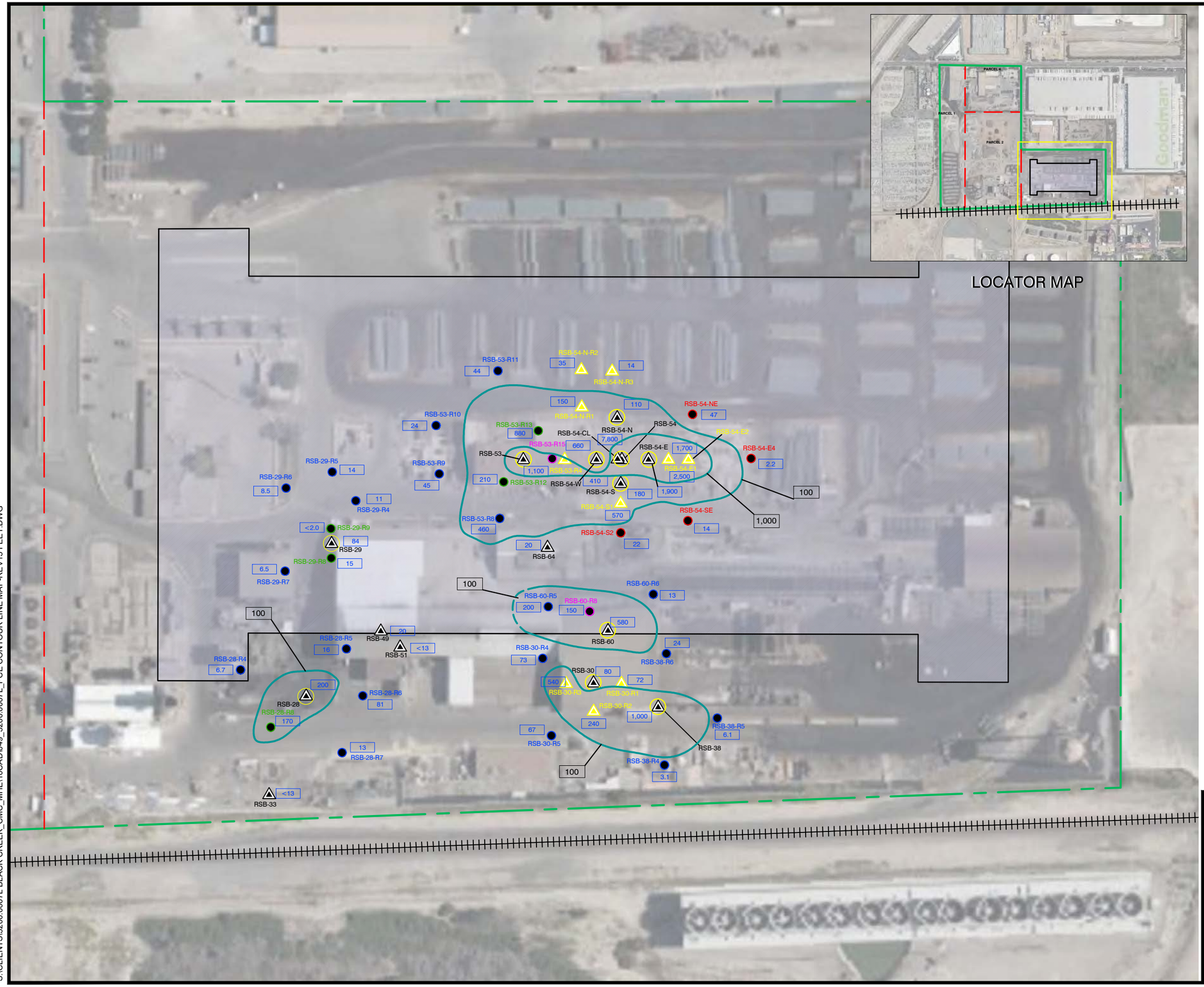
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 10 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	16
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 048_3200.0007L_PCE CONTOUR LINE MAP-5 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\048_3200.0007L_PCE CONTOUR LINE MAP-5 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021)
- RSB-54-E — SOIL VAPOR PROBE (ROUX 2021)
- RSB-54 — PCE EXCEEDANCE IN SOIL VAPOR (RAMBOLL 2020/2021)
- RSB-54-NE — TRIPLE-NESTED SOIL VAPOR PROBE - 5, 10, 35 FEET BGS (ROUX 2022)
- RSB-53-R11 — DUAL-NESTED SOIL VAPOR PROBE - 5, 15 FEET BGS (ROUX 2022)
- RSB-60-R8 — DUAL-NESTED SOIL VAPOR PROBE - 15, 35 FEET BGS (ROUX 2022)
- RSB-29-R5 — SOIL VAPOR PROBE - 15 FEET BGS (ROUX 2022)
- INTERPRETED PCE CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOETHENE
3. PCE CONCENTRATION MEASURED IN MICROGRAMS PER CUBIC METER (UG/M3)

N

120' 0 120'

Title:

PARCEL 3 WITH PCE ISO-CONCENTRATION CONTOURS 15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

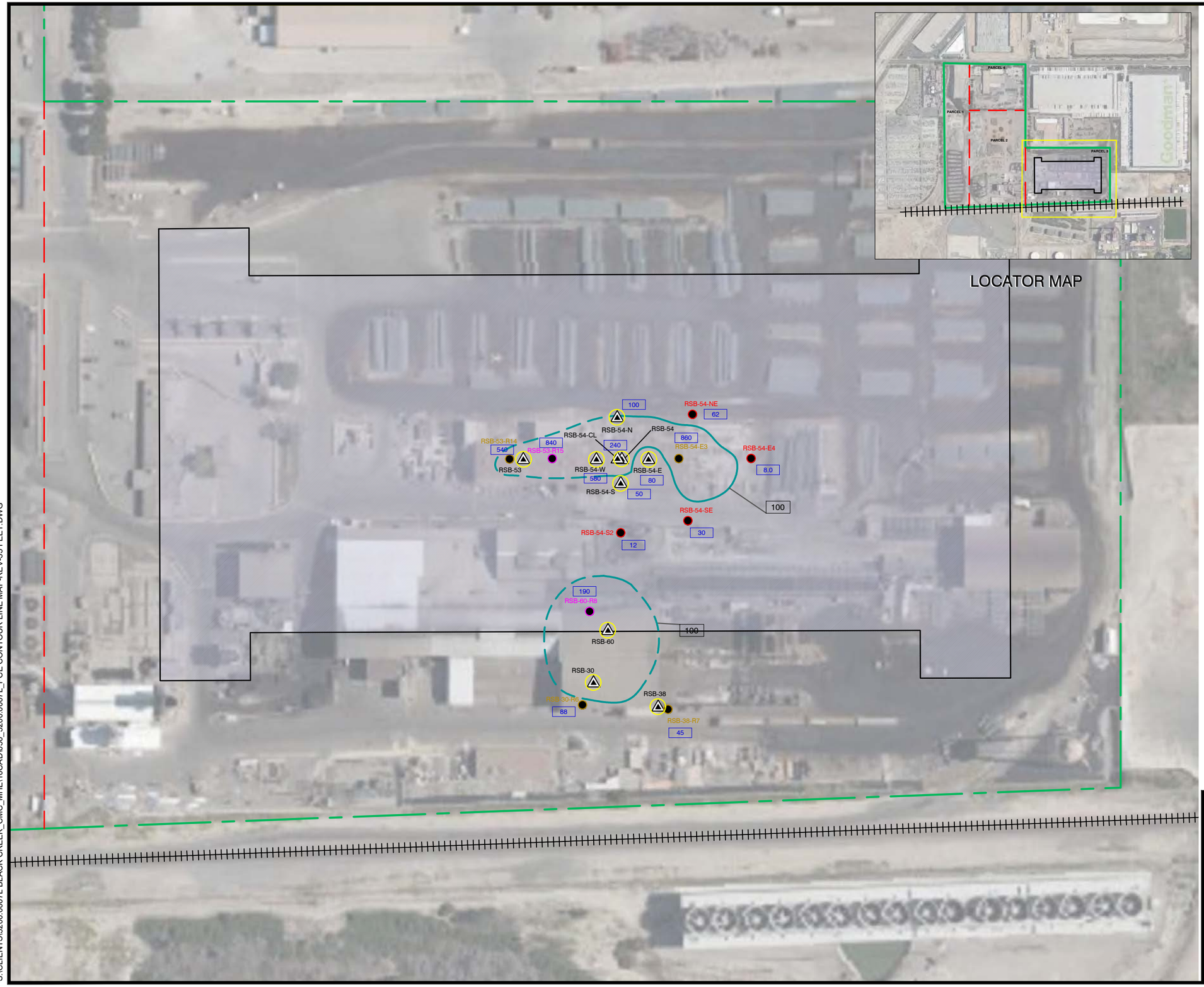
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 10 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	17
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 049_3200.0007L_PCE CONTOUR LINE MAP-REV15 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\049_3200.0007L_PCE CONTOUR LINE MAP-REV15 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 35 FT BGS
- RSB-54 — SOIL VAPOR LOCATION (RAMBOLL 2020/2021)
- RSB-54 — PCE EXCEEDANCE IN SOIL VAPOR (RAMBOLL 2020/2021)
- RSB-54-NE — TRIPLE-NESTED SOIL VAPOR PROBE - 5, 10, 35 FEET BGS (ROUX 2022)
- RSB-60-R8 — DUAL-NESTED SOIL VAPOR PROBE - 15, 35 FEET BGS (ROUX 2022)
- RSB-30-R6 — SOIL VAPOR PROBE - 35 FEET BGS (ROUX 2022)
- INTERPRETED PCE CONTOUR LINE - 35 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE CONCENTRATION IS IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)

N

120' 0 120'

Title:

PARCEL 3 WITH PCE ISO-CONCENTRATION CONTOURS 35 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 10 MARCH 2023
Prepared by: M.B.	Scale: 1" = 120'
Project Mgr: M.J.N.	Project: 3200.0007L
File: 050_3200.0007L_PCE CONTOUR LINE MAP-REV-35 FEET.DWG	

FIGURE 18

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\050_3200.0007L_PCE CONTOUR LINE MAP-REV-35 FEET.DWG

November 29, 2021

BTC III ACQUISITIONS LLC
Contact: *Chris Sanford*
4675 MacArthur Court, Suite 625
Newport Beach, California 92660

SUBJECT: Biological Due Diligence Investigation for the Proposed Arrow Route and Juneberry Drive Project Located in the City of Rancho Cucamonga, San Bernardino County, California

Introduction

This report contains the findings of ELMT Consulting's (ELMT) preliminary biological due diligence investigation for proposed Arrow Route and Juneberry Drive Project (CMC Rancho) located in the City of Rancho Cucamonga, California. The biological due diligence investigation was conducted by ELMT biologist Travis J. McGill on October 15, 2021 to document baseline conditions and to determine the potential for special-status plant and wildlife species to occur on the project site that could pose a constraint to implementation of the proposed project.

Project Location

The project site is generally located north of Interstate 10, east of Interstate 15, south of State Route 210 and west of Etiwanda Avenue in the City of Rancho Cucamonga, California. The site is depicted on the Guasti quadrangle of the United States Geological Survey's (USGS) 7.5-minute map series within Section 8 of Township 1 South, Range 6 West. Specifically, the project site is located at 12451, 12343, 12353, and 12455 Arrow Route, Rancho Cucamonga, California. Refer to Exhibits 1 and 2 in Attachment A.

Project Description

The project proposes the development of two industrial buildings totaling 1,891,420 square feet (Building 1 – 1,366,140 square feet, Building 2 – 525,280 square feet), and associated parking and landscaping. Refer to Attachment B, *Site Plan*.

Methodology

Literature Review

A literature review and records search was conducted for special-status biological resources potentially occurring on or within the vicinity of the project site. Previously recorded occurrences of special-status plant and wildlife species and their proximity to the project site were determined through a query of the California Departments (CDFW's) QuickView Tool in the Biogeographic Information and Observation System (BIOS), California Natural Diversity Database (CNDDB) Rarefind 5, and the California Native Plant Society's (CNPS) Electronic Inventory of Rare and Endangered Vascular Plants of California. The following resources were also reviewed:

- Environmental Protection Agency (EPA) Water Program "My Waters" data layers
- Google Earth Pro historic aerial imagery (1985-2021);
- United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS), Soil Survey[1];
- USFWS Critical Habitat designations for Threatened and Endangered Species; and
- USFWS National Wetlands Inventory (NWI).

Habitat Assessment/Field Investigation

Following the literature review, biologist Travis J. McGill inventoried and evaluated the condition of the habitat within the project site on October 15, 2021. Plant communities and land cover types identified on aerial photographs during the literature review were verified by walking meandering transects throughout the project site. In addition, site characteristics such as soil condition, topography, hydrology, anthropogenic disturbances, indicator species, condition of on-site plant communities and land cover types, and presence of potential jurisdictional drainage and/or wetland features were noted.

Topography and Soils

Elevation on the project site ranges from 1,130 to 1,160 feet above mean sea level and generally slopes form north to south. The project site is relatively flat with no areas of significant topographic relief. Based on the NRCS USDA Web Soil Survey, the project site is only underlain by Tujunga loamy sand (0 to 5 percent slopes) and Tujunga gravelly loamy sand (0 to 9 percent slopes). Soils onsite have been mechanically disturbed and heavily compacted from existing site development.

Existing Site Conditions

The entire project site has been subject to a variety of anthropogenic disturbances associated with existing onsite development. Due to historical and current land uses, no undisturbed native plant communities or natural communities of special concern were observed on the project site. These disturbances have eliminated the natural plant communities that once occurred on and surrounding the project site. The project site supports one (1) land cover type that would be classified as developed. Developed areas generally encompass all building/structures, and paved/impervious surfaces. The developed areas within the project site are comprised of the existing industrial development, paved and loose gravel parking areas, and landscaped areas. No native plant communities will be impacted from implementation of the proposed project.

Migratory Corridors and Linkages

The proposed project will be confined to existing disturbed and developed land, which has removed natural plant communities from the project site. Further, the project site is surrounded by existing developments, which have eliminated connection to nearby wildlife movement corridors. As a result, implementation of the proposed project will not disrupt or have any adverse effects on any migratory corridors or linkages in the surrounding area.

1 A soil series is defined as a group of soils with similar profiles developed from similar parent materials under comparable climatic and vegetation conditions. These profiles include major horizons with similar thickness, arrangement, and other important characteristics, which may promote favorable conditions for certain biological resources.

Jurisdictional Areas

No discernible drainage courses, inundated areas, or wetland features/obligate plant species that would be considered jurisdictional by the United States Army Corps of Engineers (Corps), Regional Water Quality Control Board (Regional Board), or CDFW were observed within the proposed project site. Based on the proposed site plan, project activities will not result in impacts to Corps, Regional Board, or CDFW jurisdictional areas and regulatory approvals will not be required. Further, no resources were observed onsite during the review of the USFWS National Wetland Inventory (NWI).

It should be noted that two detention basins were observed on the southern boundary of the project site. These basins were constructed in the uplands to collect and store surface runoff before existing the project site. Water within these basins is confined to the project site and does not have any upstream or downstream surface connections to jurisdictional features. Therefore, the constructed basins would not qualify as waters of the U.S. under the jurisdictional authority of the Corps, waters of the State under the jurisdictional authority of the Regional Board, or jurisdictional streambed or bank under the jurisdictional authority of CDFW.

Special-Status Biological Resources

The literature search identified thirteen (13) special-status plant species and thirty-four (34) special-status wildlife species as having the potential to occur within the Guasti 7.5-minute quadrangle. No special-status plant communities haven been recorded within the Guasti USGS 7.5-minute quadrangle. Special-status plant and wildlife species were evaluated for their potential to occur within the project site based on habitat requirements, availability and quality of suitable habitat, and known distributions. Species determined to have the potential to occur within the general vicinity of the project site is presented in Attachment B*: Potentially Occurring Special-Status Biological Resources*.

No special-status plant or wildlife species, or special-status plant communities were observed on-site during the habitat assessment. The proposed project site consists of existing development areas that have been subject to a high level of anthropogenic disturbances. These disturbances have eliminated the natural plant communities that once occurred onsite. Based on habitat requirements for specific species and the availability and quality of on-site habitat, it was determined that the project site does not provide suitable habitat for special-status plant or wildlife species and are presumed to be absent from the project site.

Critical Habitat

The project site is not located within federally designated Critical Habitat. The nearest designated Critical Habitat is located approximately 3.5 miles north of the project site for San Bernardino kangaroo rat (*Dipodomys merriami parvus*) and approximately 3.7 miles southeast for coastal California gnatcatcher (*Polioptila californica californica*). Therefore, the loss or adverse modification of Critical Habitat from site development will not occur and consultation with the USFWS for impacts to Critical Habitat will not be required for implementation of the proposed project.

Conclusion

Based on the proposed project footprint and existing site conditions discussed in this report, none of the special-status plant or wildlife species known to occur in the general vicinity of the project site are expected to be directly or indirectly impacted from implementation of the proposed project. It was determined that

implementation of the project will have “no effect” on federally or State listed species known to occur in the general vicinity of the project site. Additionally, the development of the project will not impact designated Critical Habitats, regional wildlife movement corridors/linkages, or jurisdictional drainages.

Please do not hesitate to contact Tom McGill at (951) 285-6014 or tmcgill@elmtconsulting.com or Travis McGill at (909) 816-1646 or travismcgill@elmtconsulting.com should you have any questions.

Sincerely,

Thomas J. McGill, Ph.D.
Managing Director

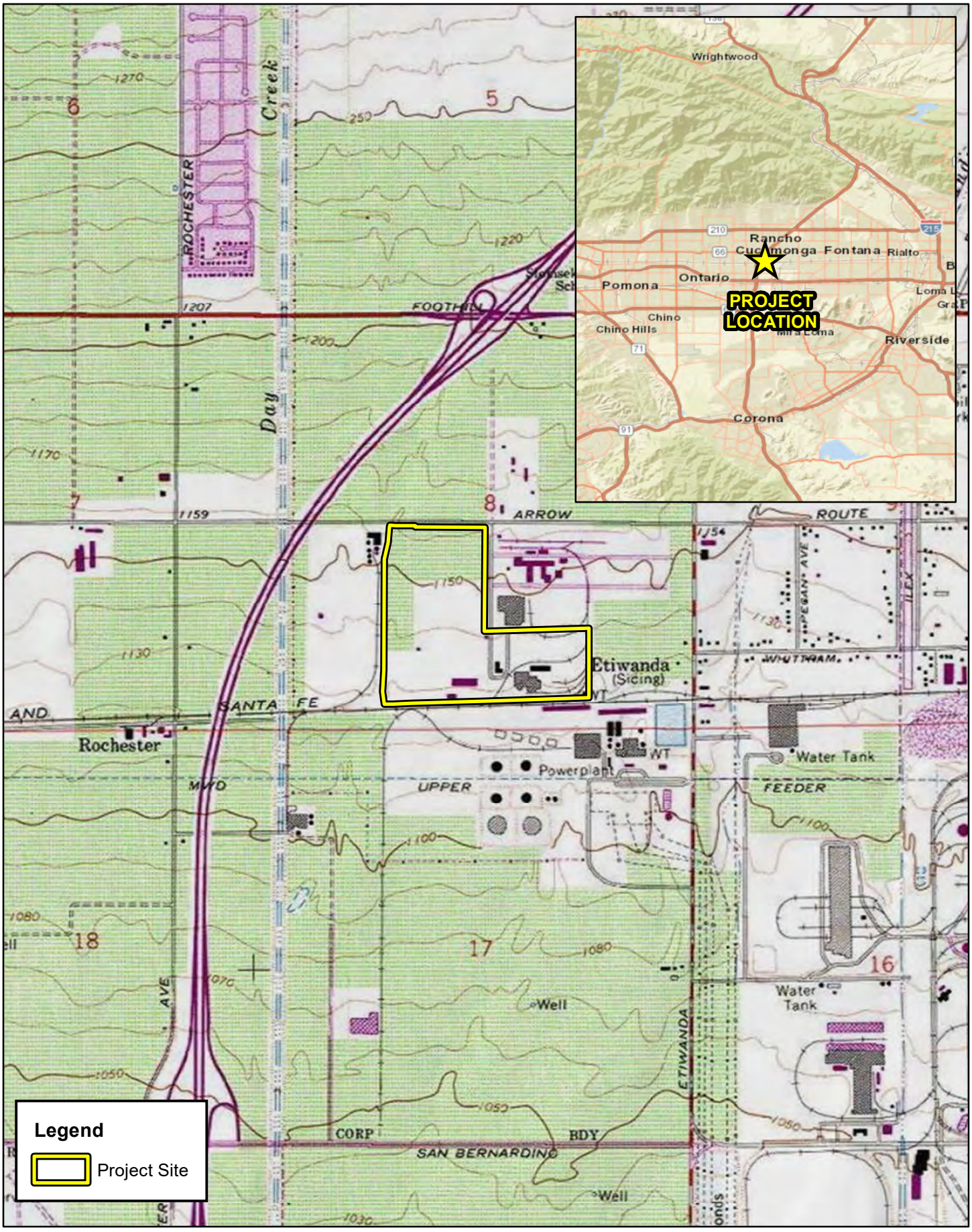
Travis J. McGill
Director

Attachments:

A. *Project Exhibits*
B. *Site Plan*
C. *Potentially Occurring Special-Status Biological Resources*

Attachment A

Project Exhibits



BIOLOGICAL DUE DILIGENCE

Regional Vicinity

Exhibit 1

ELMT CONSULTING

0 0.25 0.5 1 Miles

Source: USA Topographic Map, San Bernardino County



ELMT CONSULTING

0 250 500 1,000 Feet

Source: ESRI Aerial Imagery, San Bernardino County

BIOLOGICAL DUE DILIGENCE

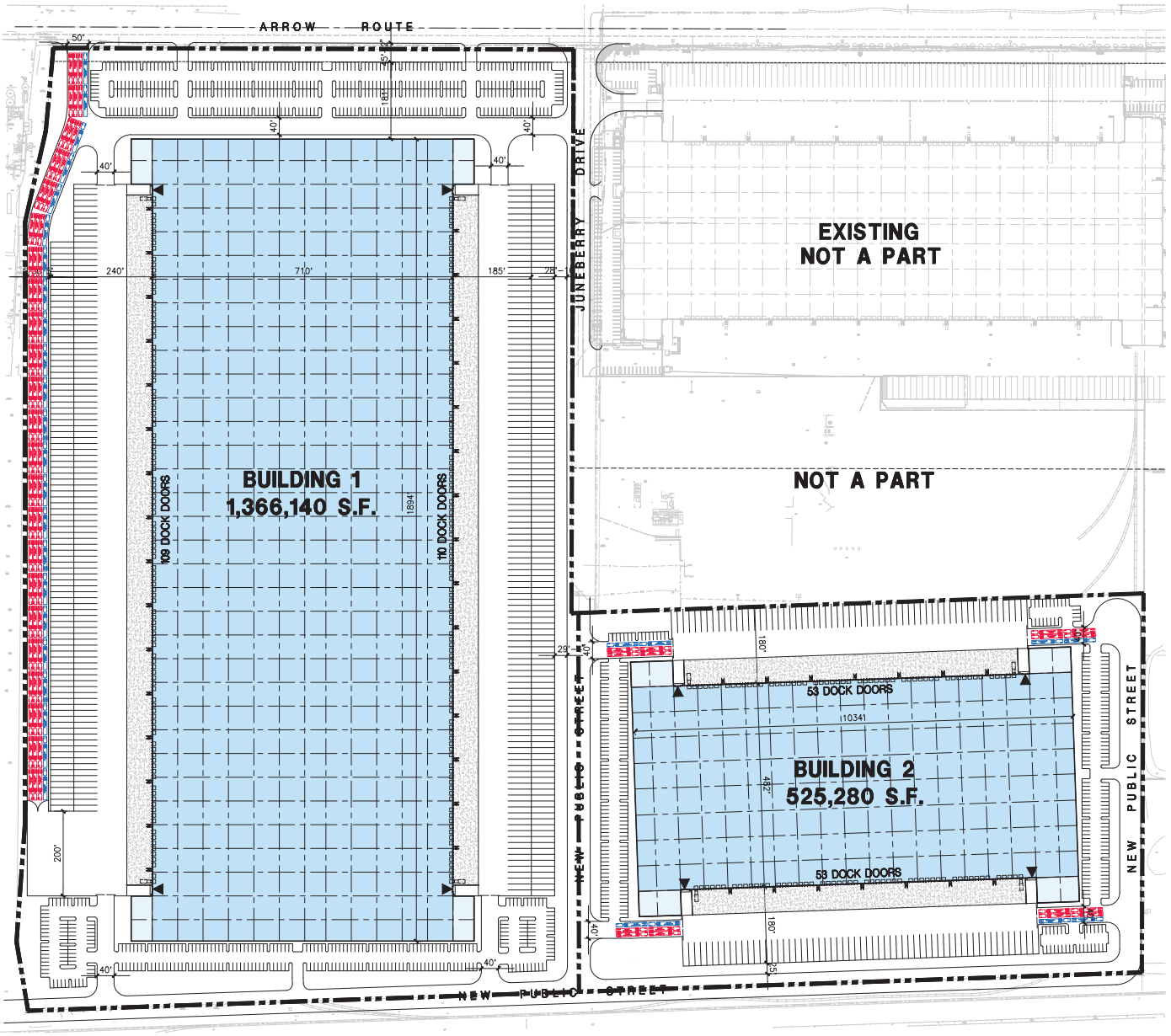
Project Site

Exhibit 2

Attachment B

Site Plan

CAUTION: IF THIS SHEET IS NOT 30"X42", IT IS A REDUCED PRINT



Legend

- POTENTIAL OFFICE
- WAREHOUSE
- DRIVE THRU DOOR

Aerial Map



Aerial Map

SITE AREA	BLDG. 1	BLDG. 2	TOTAL	
In s.f.	2,907,186	1,190,805	4,097,991	s.f.
In acres	66.74	27.34	94.08	ac
BUILDING AREA				
Office	20,000	10,000	30,000	s.f.
Warehouse	1,346,140	515,280	1,861,420	s.f.
TOTAL	1,366,140	525,280	1,891,420	s.f.
LOT COVERAGE	47.0%	44.1%	46.2%	
AUTO PARKING REQUIRED				
Office: 1/250 s.f.	80	40	120	stalls
Whse: 1st 20K @ 1/1,000 s.f.	20	20	40	stalls
2nd 20K @ 1/2,000 s.f.	10	10	20	stalls
above 40K @ 1/4,000 s.f.	327	119	446	stalls
TOTAL	437	189	626	stalls
AUTO PARKING PROVIDED				
Standard (9' x 19')	691	306	997	stalls
TRAILER PARKING REQUIRED				
1 per dock door	219	106	325	stalls
TRAILER PARKING PROVIDED				
Trailer (14' x 55')	441	120	561	stalls

ZONING ORDINANCE FOR CITY

Zoning Designation - Heavy Industrial (HI)

MAXIMUM BUILDING HEIGHT ALLOWED

Height - 75' (building exceeded 35' of heigth shall be set back an additional 1' from the front setback for each 1' of height up to a maximum setback of 70'.

MAXIMUM FLOOR AREA RATIO

FAR - 40% - 50%

LANDSCAPE REQUIREMENT

Percentage - 5%

SETBACKS

Street	Building	Landscape	Parking
Arrow Rt. - Arterial	45' min.	45' min	25' min.
Local St.	25' min.	25' min	15' min.
Side - 5'			
Rear - none			

Note: This is a conceptual plan. It is based on preliminary information which is not fully verified and may be incomplete. It is meant as a comparative aid in examining alternate development strategies and any quantities indicated are subject to revision as more reliable information becomes available.

Conceptual Site Plan

Arrow Route and Juneberry Drive

Rancho Cucamonga, CA

HPA architecture

18831 Bardeen Ave. - Ste. #100
Irvine, CA 92612
(949) 863-1770
www.hparchs.com

BLACK CREEK GROUP

August 26, 2021 / Job #20501

Scheme 13

Attachment C

Potentially Occurring Special-Status Biological Resources

Scientific Name	Common Name	Federal Status	State Status	CDFW Listing	CNPS Rare Plant Rank	Potential to Occur
Special-Status Wildlife Species						
Accipiter cooperii	Cooper's hawk	None	None	WL	-	Presumed Absent
Agelaius tricolor	tricolored blackbird	None	Threatened	SSC	-	Presumed Absent
Aimophila ruficeps canescens	southern California rufous-crowned sparrow	None	None	WL	-	Presumed Absent
Anniella stebbinsi	Southern California legless lizard	None	None	SSC	-	Presumed Absent
Ardea alba	great egret	None	None	-	-	Presumed Absent
Ardea herodias	great blue heron	None	None	-	-	Presumed Absent
Arizona elegans occidentalis	California glossy snake	None	None	SSC	-	Presumed Absent
Aspidoscelis tigris stejnegeri	coastal whiptail	None	None	SSC	-	Presumed Absent
Athene cunicularia	burrowing owl	None	None	SSC	-	Presumed Absent
Bombus crotchii	Crotch bumble bee	None	None	-	-	Presumed Absent
Calypte costae	Costa's hummingbird	None	None	-	-	Presumed Absent
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	None	None	SSC	-	Presumed Absent
Circus hudsonius	northern harrier	None	None	SSC	-	Presumed Absent
Dipodomys merriami parvus	San Bernardino kangaroo rat	Endangered	Candidate Endangered	SSC	-	Presumed Absent
Dipodomys nitratoides brevinasus	short-nosed kangaroo rat	None	None	SSC	-	Presumed Absent
Dipodomys simulans	Dulzura kangaroo rat	None	None	-	-	Presumed Absent
Dipodomys stephensi	Stephens' kangaroo rat	Endangered	Threatened	-	-	Presumed Absent
Egretta thula	snowy egret	None	None	-	-	Presumed Absent
Elanus leucurus	white-tailed kite	None	None	FP	-	Presumed Absent
Eremophila alpestris actia	California horned lark	None	None	WL	-	Presumed Absent
Eumops perotis californicus	western mastiff bat	None	None	SSC	-	Presumed Absent
Lanius ludovicianus	loggerhead shrike	None	None	SSC	-	Presumed Absent
Larus californicus	California gull	None	None	WL	-	Presumed Absent
Lasiurus xanthinus	western yellow bat	None	None	SSC	-	Presumed Absent
Laterallus jamaicensis coturniculus	California black rail	None	Threatened	FP	-	Presumed Absent
Lepus californicus bennettii	San Diego black-tailed jackrabbit	None	None	SSC	-	Presumed Absent
Neotoma lepida intermedia	San Diego desert woodrat	None	None	SSC	-	Presumed Absent
Nycticorax nycticorax	black-crowned night heron	None	None	-	-	Presumed Absent
Perognathus longimembris brevinasus	Los Angeles pocket mouse	None	None	SSC	-	Presumed Absent
Phrynosoma blainvillii	coast horned lizard	None	None	SSC	-	Presumed Absent
Polioptila californica californica	coastal California gnatcatcher	Threatened	None	SSC	-	Presumed Absent
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	Endangered	None	-	-	Presumed Absent
Spizella breweri	Brewer's sparrow	None	None	-	-	Presumed Absent
Vireo bellii pusillus	least Bell's vireo	Endangered	Endangered	-	-	Presumed Absent
Special-Status Plant Species						
Calochortus catalinae	Catalina mariposa-lily	None	None	-	4.2	Presumed Absent
Calochortus plummerae	Plummer's mariposa-lily	None	None	-	4.2	Presumed Absent
Chorizanthe parryi var. parryi	Parry's spineflower	None	None	-	1B.1	Presumed Absent
Cladium californicum	California saw-grass	None	None	-	2B.2	Presumed Absent
Deinandra paniculata	paniculate tarplant	None	None	-	4.2	Presumed Absent
Horkelia cuneata var. puberula	mesa horkelia	None	None	-	1B.1	Presumed Absent
Juglans californica	southern California black walnut	None	None	-	4.2	Presumed Absent

Muhlenbergia californica	California muhly	None	None	-	4.3	Presumed Absent
Muhlenbergia utilis	aparejo grass	None	None	-	2B.2	Presumed Absent
Navarretia prostrata	prostrate vernal pool navarretia	None	None	-	1B.2	Presumed Absent
Phacelia stellaris	Brand's star phacelia	None	None	-	1B.1	Presumed Absent
Pseudognaphalium leucocephalum	white rabbit-tobacco	None	None	-	2B.2	Presumed Absent
Symphyotrichum defoliatum	San Bernardino aster	None	None	-	1B.2	Presumed Absent

U.S. Fish and Wildlife Service (Fed) - Federal

END- Federal Endangered
THR- Federal Threatened
DL- Delisted

California Department of Fish and Wildlife (CA) - California

END- California Endangered
THR- California Threatened
Candidate- Candidate for listing under the California Endangered Species Act
FP- California Fully Protected
SSC- Species of Special Concern
WL- Watch List
CE- Candidate Endangered

California Native Plant Society (CNPS)

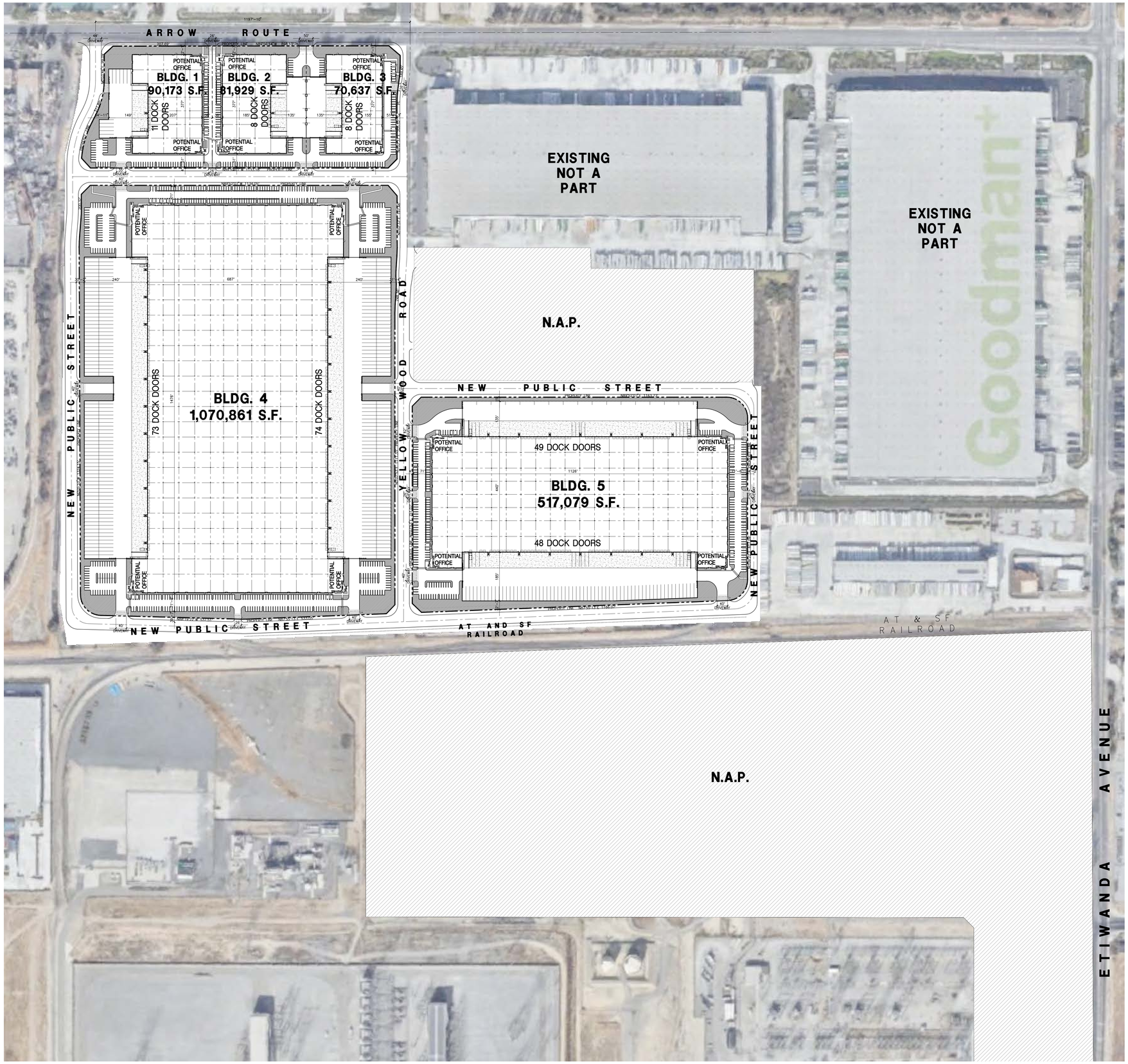
California Rare Plant Rank

1B Plants Rare, Threatened, or Endangered in California and Elsewhere
2B Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere
3 Plants About Which More Information is Needed – A Review List
4 Plants of Limited Distribution – A

CNPS Threat Ranks

0.1- Seriously threatened in California
0.2- Moderately threatened in California
0.3- Not very threatened in California

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SITE PLAN GENERAL NOTES

1. THE SITE PLAN BASED ON THE SOILS REPORT PREPARED BY: TBD

2. IF SOILS ARE EXPANSIVE IN NATURE, USE STEEL REINFORCING FOR ALL SITE CONCRETE.

3. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE WALL, FACE OF CONCRETE CURB OR GRID LINE U.N.O.

4. SEE "C" PLANS FOR ALL CONCRETE CURBS, GUTTERS AND SWALES.

5. THE ENTIRE PROJECT SHALL BE PERMANENTLY MAINTAINED WITH AN AUTOMATIC IRRIGATION SYSTEM.

6. SEE "C" DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS.

7. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. SEE "C" DRAWINGS.

8. CONTRACTOR TO REFER TO "C" DRAWINGS FOR ALL HORIZONTAL CONTROL DIMENSIONS. SITE PLANS ARE FOR GUIDANCE AND STARTING LAYOUT POINTS.

9. SEE "C" DRAWINGS FOR FINISH GRADE ELEVATIONS.

10. CONCRETE SIDEWALKS TO BE A MINIMUM OF 4" THICK W/ TOOLED JOINTS AT 6' O.C. EXPANSION/CONSTRUCTION JOINTS SHALL BE A MAXIMUM 12' EA. WAY. EXPANSION JOINTS TO HAVE COMPRESSIVE EXPANSION FILLER MATERIAL OF 1/4". FINISH TO BE A MEDIUM BROOM FINISH U.N.O.

11. PAINT CURBS AND PROVIDE SIGNS TO INFORM OF FIRE LANES AS REQUIRED BY FIRE DEPARTMENT.

12. CONSTRUCTION DOCUMENTS PERTAINING TO THE LANDSCAPE AND IRRIGATION OF THE ENTIRE PROJECT SITE SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND APPROVED BY PUBLIC FACILITIES DEVELOPMENT PRIOR TO ISSUANCE OF BUILDING PERMITS.

13. PRIOR TO FINAL CITY INSPECTION, THE LANDSCAPE ARCHITECT SHALL SUBMIT A CERTIFICATE OF COMPLETION TO PUBLIC FACILITIES DEVELOPMENT.

14. ALL LANDSCAPE AND IRRIGATION DESIGNS SHALL MEET CURRENT CITY STANDARDS AS LISTED IN GUIDELINES OR AS OBTAINED FROM PUBLIC FACILITIES DEVELOPMENT.

TABULATION

	BLDG. 1	BLDG. 2	BLDG. 3	BLDG. 4	BLDG. 5	TOTAL	
SITE AREA							
In s.f.	205,115	166,248	160,883	1,968,743	1,012,112	3,513,101	sf
In acres	4.71	3.82	3.69	45.20	23.23	80.65	ac
BUILDING AREA							
Office (1st FL)	7,000	5,000	5,000	30,000	10,000	57,000	sf
Office (2nd FL)	3,000	3,000	3,000	20,000	10,000	39,000	sf
Warehouse	80,223	73,929	62,637	1,020,861	497,079	1,734,729	sf
TOTAL	**90,223**	**81,929**	**70,637**	**1,070,861**	**517,079**	**1,830,729**	sf
FLOOR AREA RATIO							
Maximum Allowed				0.4 - 0.6			
Actual	0.440	0.493	0.439	0.544	0.511	0.521	
SITE COVERAGE							
Maximum Allowed				40% - 50%			
Actual	42.5%	47.5%	42.0%	53.4%	50.1%	51.0%	
AUTO PARKING REQUIRED							
Office: 1/250 s.f.	40	32	32	200	80	384	stalls
Whse: 1st 20K @ 1/1,000 s.f.	20	20	20	20	20	100	stalls
2nd 20K @ 1/2,000 s.f.	10	10	10	10	10	50	stalls
above 40K @ 1/4,000 s.f.	10	8	6	245	114	384	stalls
TOTAL	**80**	**70**	**68**	**475**	**224**	**918**	stalls
AUTO PARKING PROVIDED							
Standard (9' x 19')	60	53	50	373	171	707	stalls
Accessible Standard Parking (9' x 19')	2	1	3	5	4	15	stalls
Accessible Van Parking (12' x 19')	2	2	2	4	4	14	stalls
EV Capable	17	14	14	96	45	186	stalls
EV capable w/out EVSE	[12]	[10]	[10]	[72]	[33]		
EV capable w/ an EVSE	[3]	[2]	[2]	[17]	[9]		
EV Standard Accessible (9' x 19')	[1]	[1]	[1]	[3]	[1]		
EV Van Accessible (12' x 19')	[1]	[1]	[1]	[1]	[1]		
EV Ambulatory Parking (10' x 19')	[0]	[0]	[0]	[3]	[1]		
TOTAL	81	70	69	478	224	922	stalls
TRAILER PARKING REQUIRED							
1 per Dock door	11	8	8	158	97	282	stalls
TRAILER PARKING PROVIDED							
Trailer (14' x 55')	11	8	8	300	97	424	stalls
ZONING ORDINANCE							
Zoning Designation - NRO INDUSTRIAL (IN)							
INDUSTRIAL EMPLOYMENT (IE)							
MAXIMUM BUILDING HEIGHT ALLOWED							
Height - 35' (building exceeding 35' of height shall be setback an additional 1" from the front setback for each 1" of height upto a maximum setback of 70')							
BUILDING CLEAR HEIGHT	32'	32'	32'	42'	40'		
LANDSCAPE REQUIREMENT							
Percentage - 10%							
LANDSCAPE PROVIDED							
In s.f.	37,431	17,542	22,224	177,663	97,932	352,792	sf
Percentage	18.2%	10.6%	13.8%	9.0%	9.7%	10.0%	
SETBACKS	Building	Landscape	Parking				
Street							
Arrow Rt. - Arterial	45' min.	45' min.	25' min.				
Local St.	25' min.	25' min.	15' min.				
Side-5'							

MASTER SITE PLAN scale: 1"=150'-0" (A)

SCALE: 1" = 150'-0"

0 150' 300' 450'

TRUE NORTH

HPA architecture

hpa, inc.
18831 bardeen avenue, - ste. #100
irvine, ca
92612
tel: 949•863•1770
fax: 949•863•0851
email: hpa@hparchs.com

Owner:

BTC III ARROW ROUTE CC LP

4675 MacArthur Court, Suite 625
Newport Beach, CA 92660

tel: (949) 892-4900

Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title: Master Site Plan

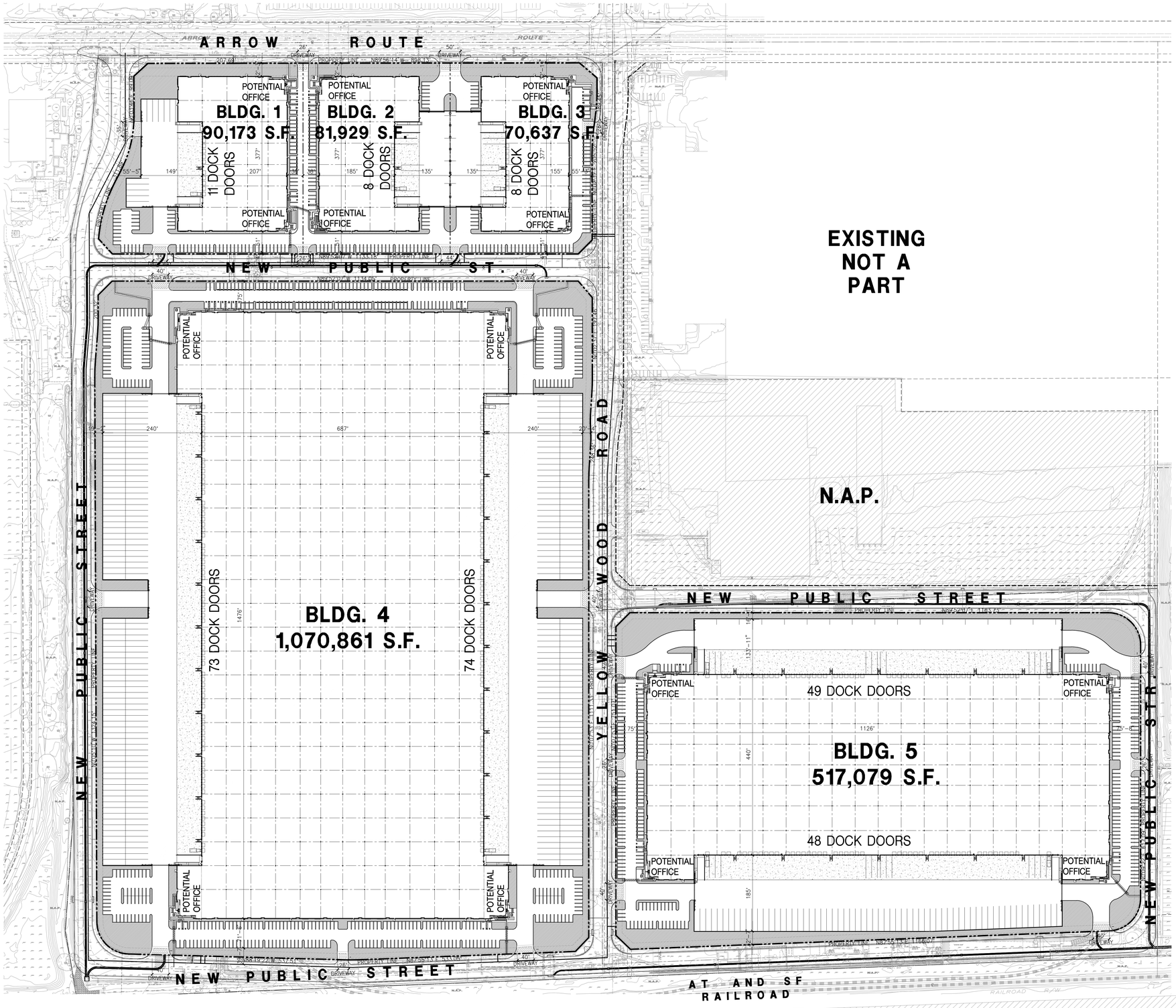
Project Number: 21549
Drawn by: MW
Date: 02/06/2023
Revision:

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PROJECT INFORMATION

Owner / Applicant
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
TEL: 949-892-4900
CONTACT: CHRIS SANFORD

Applicant's Representative
HPA, INC.
18831 BARDEEN AVE. – SUITE 100
IRVINE, CA 92612
PHONE: (949) 862-2173
CONTACT: MICHELLE WU

Address of the property
SEC OF ARROW ROUTE & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA

Code Analysis
2022 CALIFORNIA BUILDING CODE
2022 CALIFORNIA PLUMBING CODE
2022 CALIFORNIA MECHANICAL CODE
2022 CALIFORNIA ELECTRICAL CODE
2022 CALIFORNIA FIRE CODE
2022 CALIFORNIA ENERGY CODE
2022 CALIFORNIA GREEN BUILDING STANDARDS

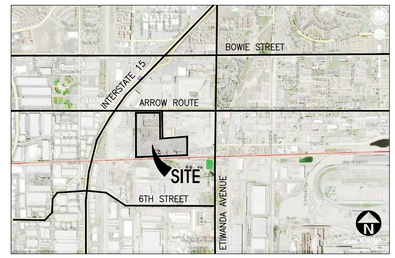
Assessor's Parcel Number
0229-121-33
0229-121-34
0229-121-35
0229-131-19

Construction Type
CONCRETE TILT-UP BUILDING

BUILDING OCCUPANCY: S-1/B OFFICE & WAREHOUSE
CONSTRUCTION TYPE: III-B
FIRE SPRINKLER: ESFR SYSTEM

Zoning
ZONING DESIGNATION– NEO INDUSTRIAL (NI)
INDUSTRIAL EMPLOYMENT (IE)

VICINITY MAP



OVERALL SITE PLAN A scale: 1"=100'-0"

SCALE: 1" = 100'-0"
0 100' 200' 300'
TRUE NORTH

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Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

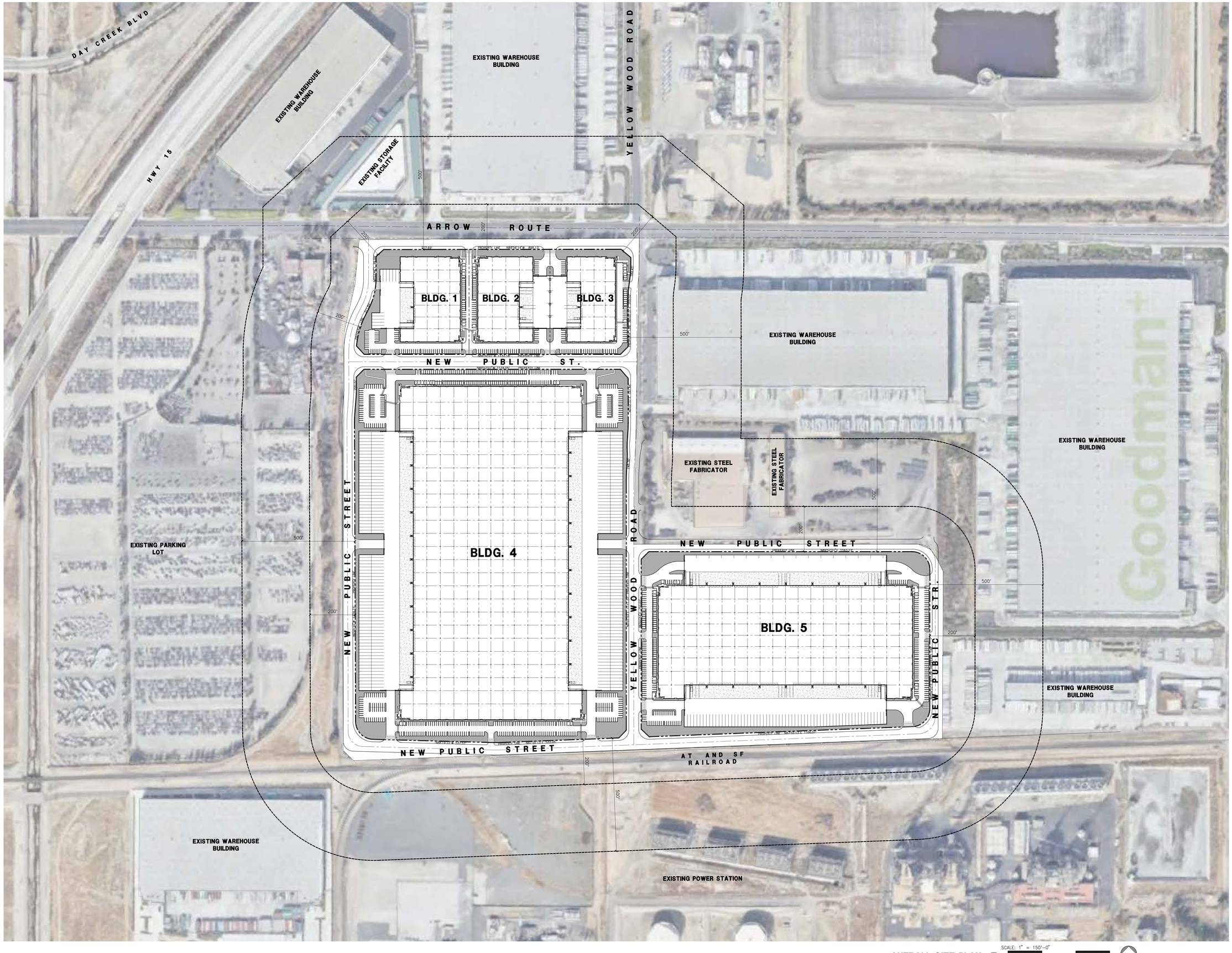
Title: Overall Site Plan

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

Sheet:

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OVERALL SITE PLAN (A)
scale: 1"=150'-0"

SCALE: 1" = 150'-0"
0 150' 300' 450'
TRUE NORTH

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Project:

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RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

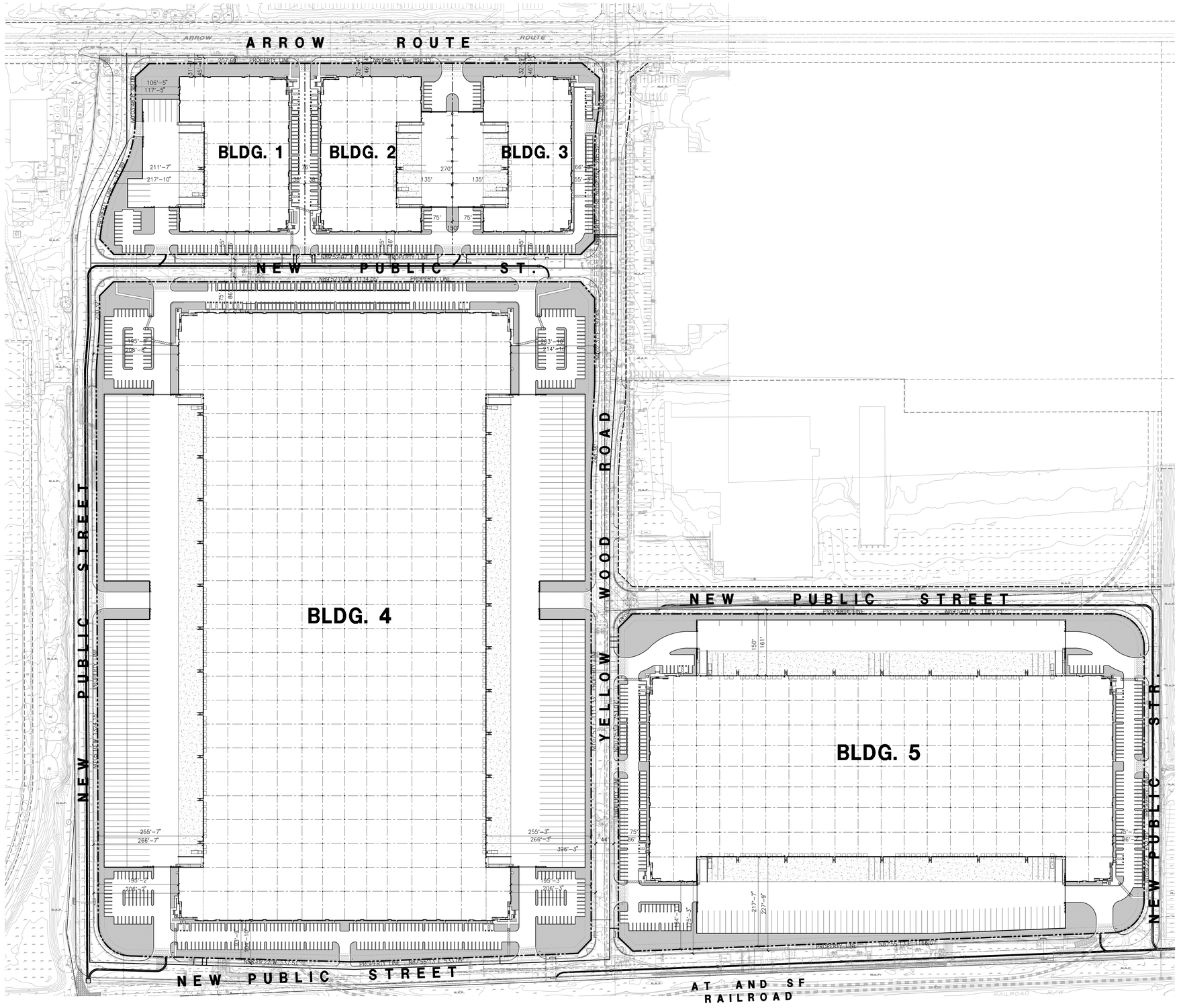
Title: Overall Site Information

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

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OVERALL SITE PLAN FOR DISTANCE BETWEEN PROPERTIES/BUILDINGS
scale: 1"=100'-0" (A)

SCALE: 1" = 100'-0"
0 100' 200' 300'
TRUE NORTH

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Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

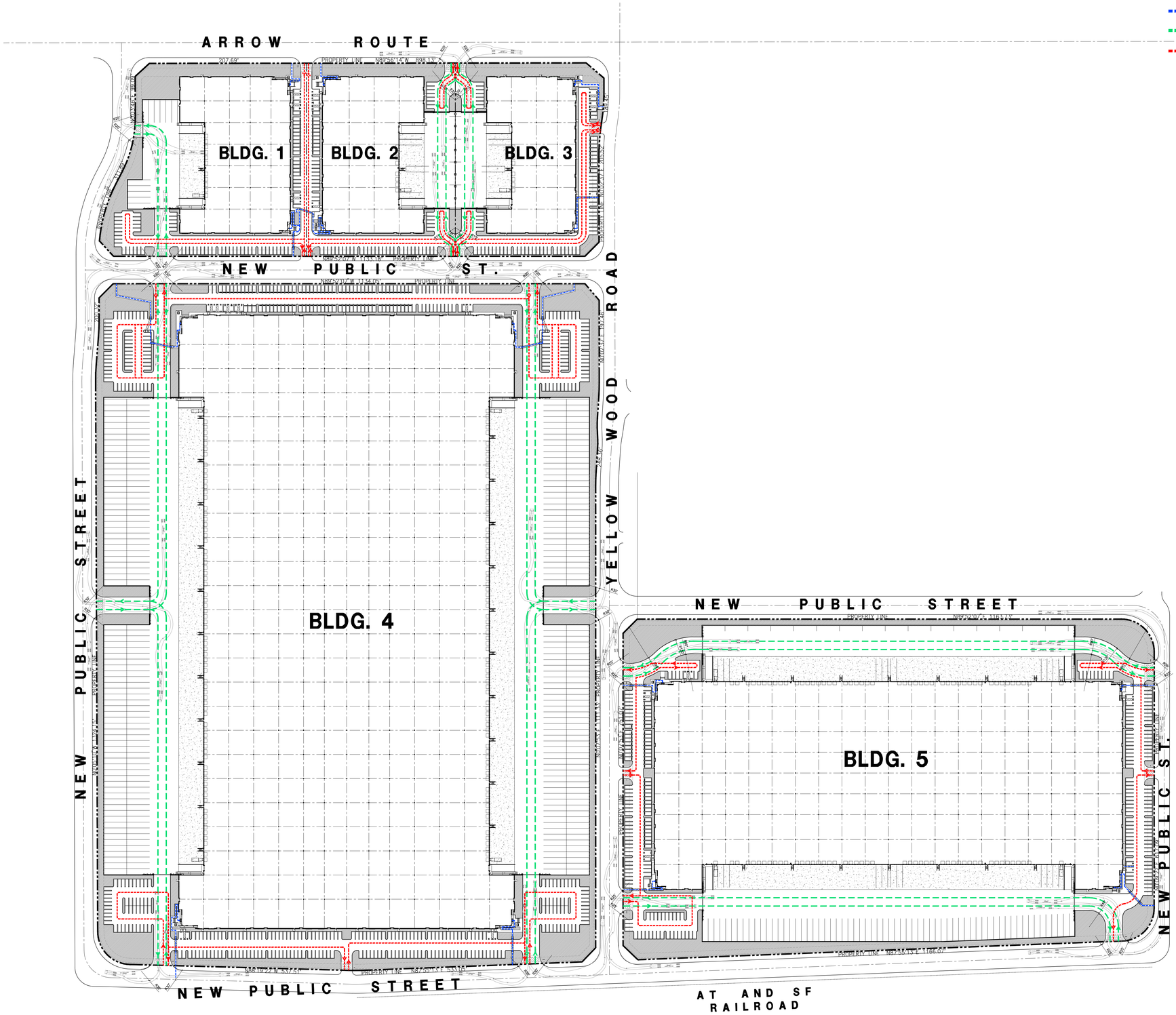
Title: Overall Site Plan For Distance Between Properties/Buildings

Project Number:	21549
Drawn by:	MW
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Revision:	

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LEGEND :

- PEDESTRIAN CIRCULATION
- TRUCK CIRCULATION
- AUTO CIRCULATION

OVERALL SITE PLAN
scale: 1" = 100'-0"

A

SCALE: 1" = 100'-0"
0 100' 200' 300'
TRUE NORTH

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Project:

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RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title: Circulation Pattern Exhibit

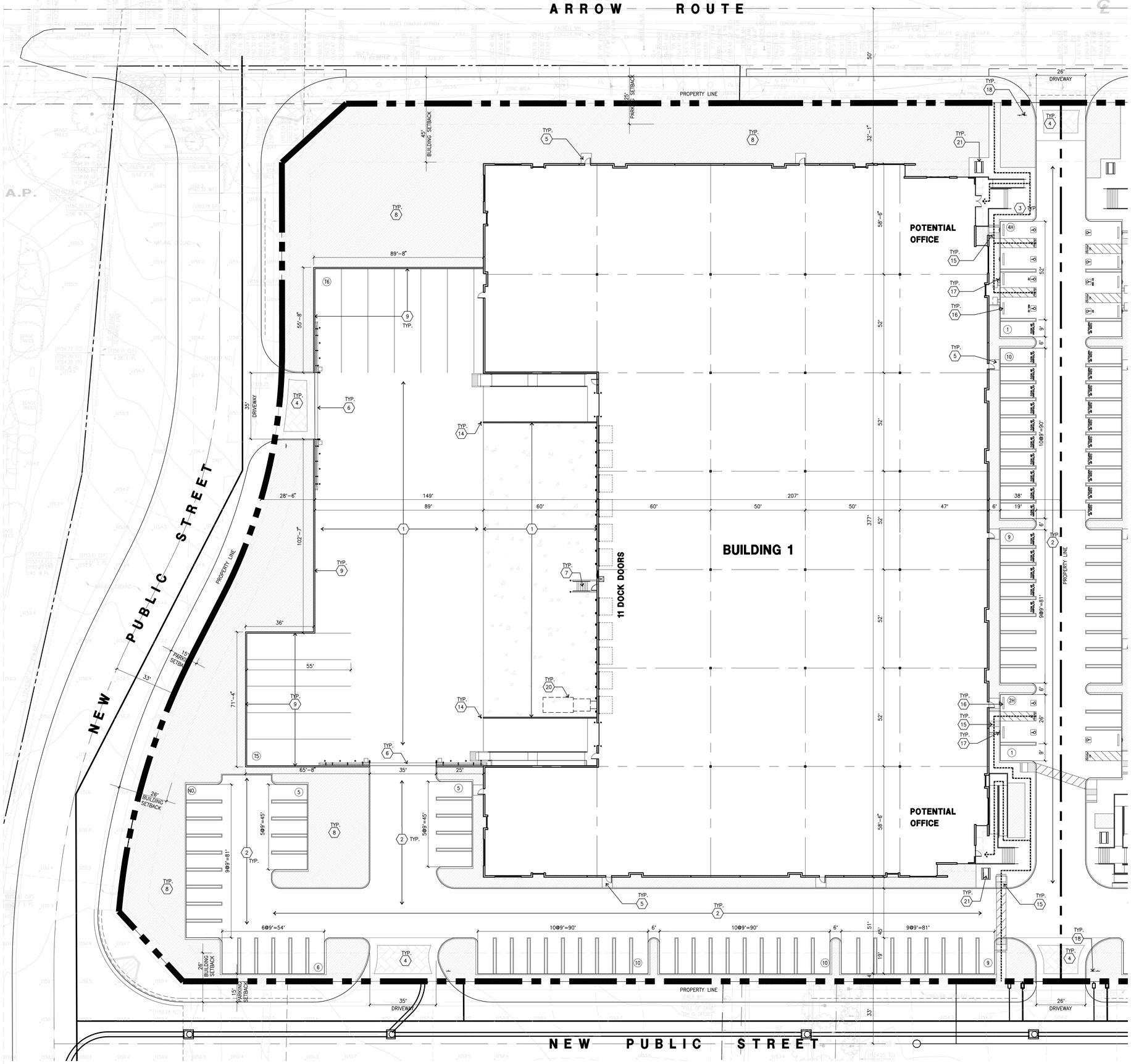
Project Number:	21549
Drawn by:	MW
Date:	02/06/2023

Revision:

Sheet:

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SITE PLAN KEYNOTES

1. HEAVY BROOM FINISH CONC. PAVEMENT,
2. AC PAVING.
3. CONCRETE WALKWAY
4. DECORATIVE DRIVEWAY APRONS TO BE CONSTRUCTED PER "L" DRAWINGS.
5. 5'-6"X5'-6"X4" MIN. THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. SLOPE TO BE 1/4" - 1/2" MAX. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY W/ 1:20 MAX. AS REQ. BY CITY INSPECTOR.
6. 8' H PROVIDE METAL, MANUAL OPERATED GATES W/ KNOX-PAD LOCK PER FIRE DEPARTMENT STANDARDS PER DRIVEWAY.
7. EXTERIOR CONC. STAIR.
8. LANDSCAPE.
9. 14'H CONCRETE TILT-UP SCREEN WALL
10. 2X2 EV CONDUIT CONCRETE PAD.
11. APPROXIMATE LOCATION OF TRANSFORMER.
12. BIKE RACK.
13. TRASH ENCLOSURE
14. CONCRETE FILLED GUARD POST "6 DIA. U.N.O. 42" H.
15. TRUNCATED DOME.
16. PRE-CAST CONCRETE WHEEL STOP.
17. ACCESSIBLE PARKING STALL SIGN.
18. ACCESSIBLE ENTRY SIGN.
19. 8'H WROUGHT IRON FENCE.
20. TRASH COMPACTOR
21. BREAK AREA
22. RETAINING WALL

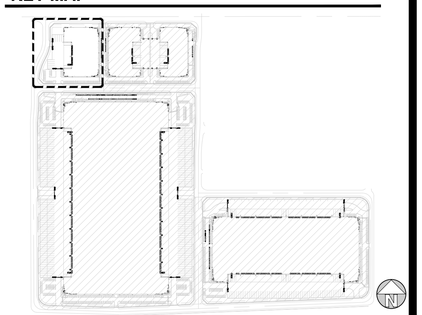
SITE PLAN GENERAL NOTES

1. THE SITE PLAN BASED ON THE SOILS REPORT PREPARED BY: TBD
2. IF SOILS ARE EXPANSIVE IN NATURE, USE STEEL REINFORCING FOR ALL SITE CONCRETE.
3. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE WALL, FACE OF CONCRETE CURB OR GRID LINE U.N.O.
4. SEE "C" PLANS FOR ALL CONCRETE CURBS, GUTTERS AND SWALES.
5. THE ENTIRE PROJECT SHALL BE PERMANENTLY MAINTAINED WITH AN AUTOMATIC IRRIGATION SYSTEM.
6. SEE "C" DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS.
7. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. SEE "C" DRAWINGS.
8. CONTRACTOR TO REFER TO "C" DRAWINGS FOR ALL HORIZONTAL CONTROL DIMENSIONS. SITE PLANS ARE FOR GUIDANCE AND STARTING LAYOUT POINTS.
9. SEE "C"DRAWINGS FOR FINISH GRADE ELEVATIONS.
10. CONCRETE SIDEWALKS TO BE A MINIMUM OF 4" THICK W/ TOOLED JOINTS AT 6' O.C. EXPANSION/CONSTRUCTION JOINTS SHALL BE A MAXIMUM 12' EA. WAY. EXPANSION JOINTS TO HAVE COMPRESSIVE EXPANSION FILLER MATERIAL OF 1/4". FINISH TO BE A MEDIUM BROOM FINISH U.N.O.
11. PAINT CURBS AND PROVIDE SIGNS TO INFORM OF FIRE LANES AS REQUIRED BY FIRE DEPARTMENT.
12. CONSTRUCTION DOCUMENTS PERTAINING TO THE LANDSCAPE AND IRRIGATION OF THE ENTIRE PROJECT SITE SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND APPROVED BY PUBLIC FACILITIES DEVELOPMENT PRIOR TO ISSUANCE OF BUILDING PERMITS.
13. PRIOR TO FINAL CITY INSPECTION, THE LANDSCAPE ARCHITECT SHALL SUBMIT A CERTIFICATE OF COMPLETION TO PUBLIC FACILITIES DEVELOPMENT.
14. ALL LANDSCAPE AND IRRIGATION DESIGNS SHALL MEET CURRENT CITY STANDARDS AS LISTED IN GUIDELINES OR AS OBTAINED FROM PUBLIC FACILITIES DEVELOPMENT.
15. LANDSCAPED AREAS SHALL BE DELINEATED WITH A MINIMUM SIX INCHES (6") HIGH CURB.

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19') VANPOOL (12' X 19')
- PATH OF TRAVEL
- 12" WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

KEY MAP



OVERALL SITE PLAN A — scale: 1"=20'-0"

SCALE: 1" = 20'-0"
0 20' 40' 60'
TRUE NORTH

HPA architecture
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18831 bardeen avenue, - ste. #100
irvine, ca
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Owner:

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Project:

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ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

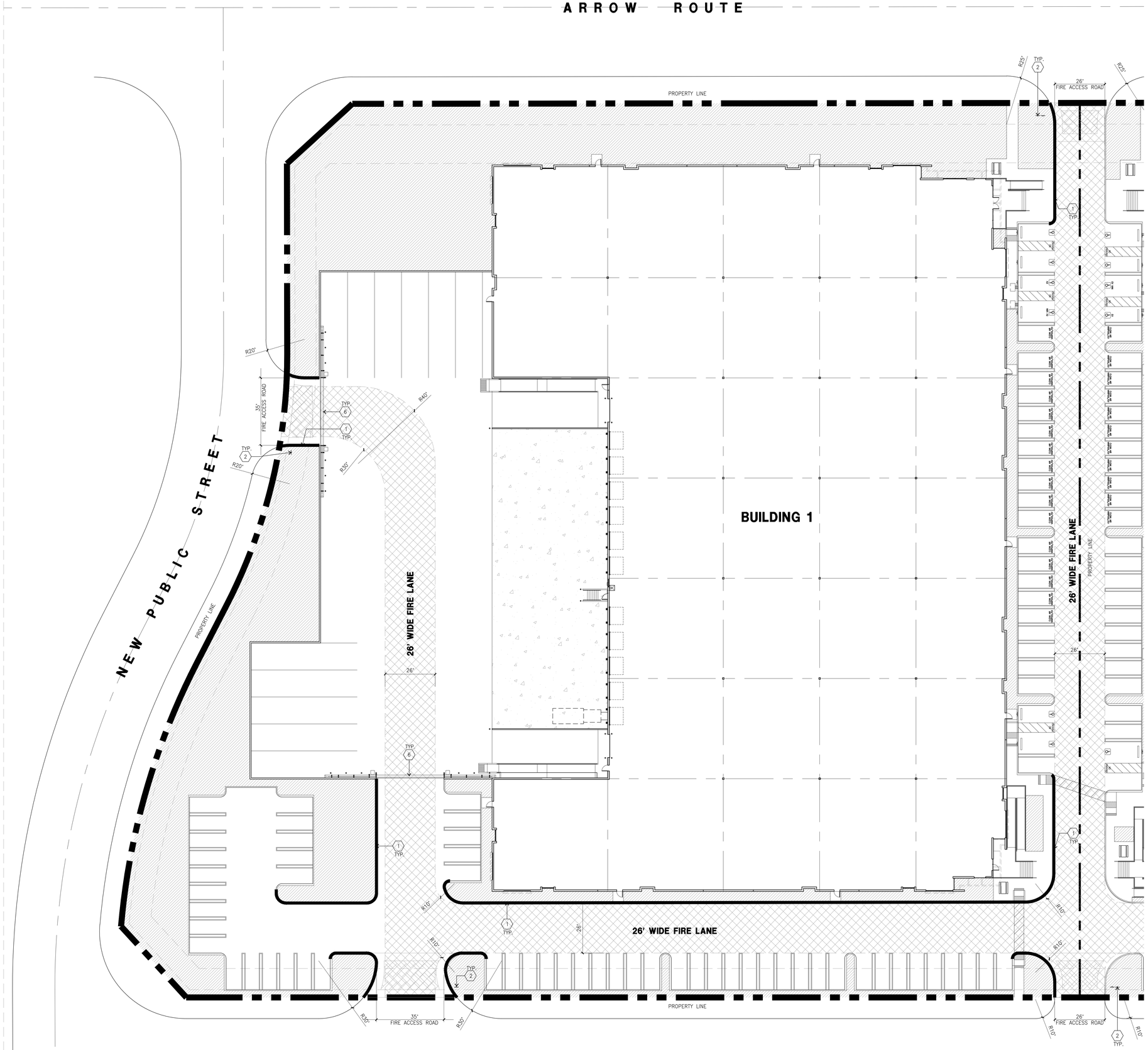
Title: Overall Site Plan

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

Sheet:

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FIRE ACCESS PLAN
scale: 1"=20'-0"

SCALE: 1" = 20'-0"
0 20' 40' 60'
TRUE NORTH

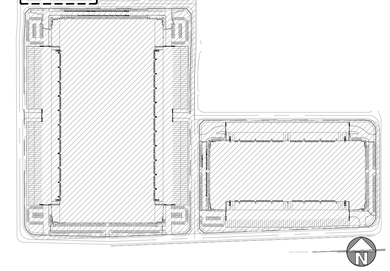
FIRE KEYNOTES

1. FIRE LANE IDENTIFICATION – RED CURB.
2. FIRE LANE ENTRANCE SIGN.
3. FIRE LANE NO PARKING SIGN.
4. FIRE DEPARTMENT CONNECTION (FDC) LOCATION
5. FIRE HYDRANT – APPROXIMATE LOCATION
6. MANUAL SLIDING GATE WITH KNOX PADLOCK

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19') VANPOOL (12' X 19')
- PATH OF TRAVEL
- 12" WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

KEY MAP



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Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

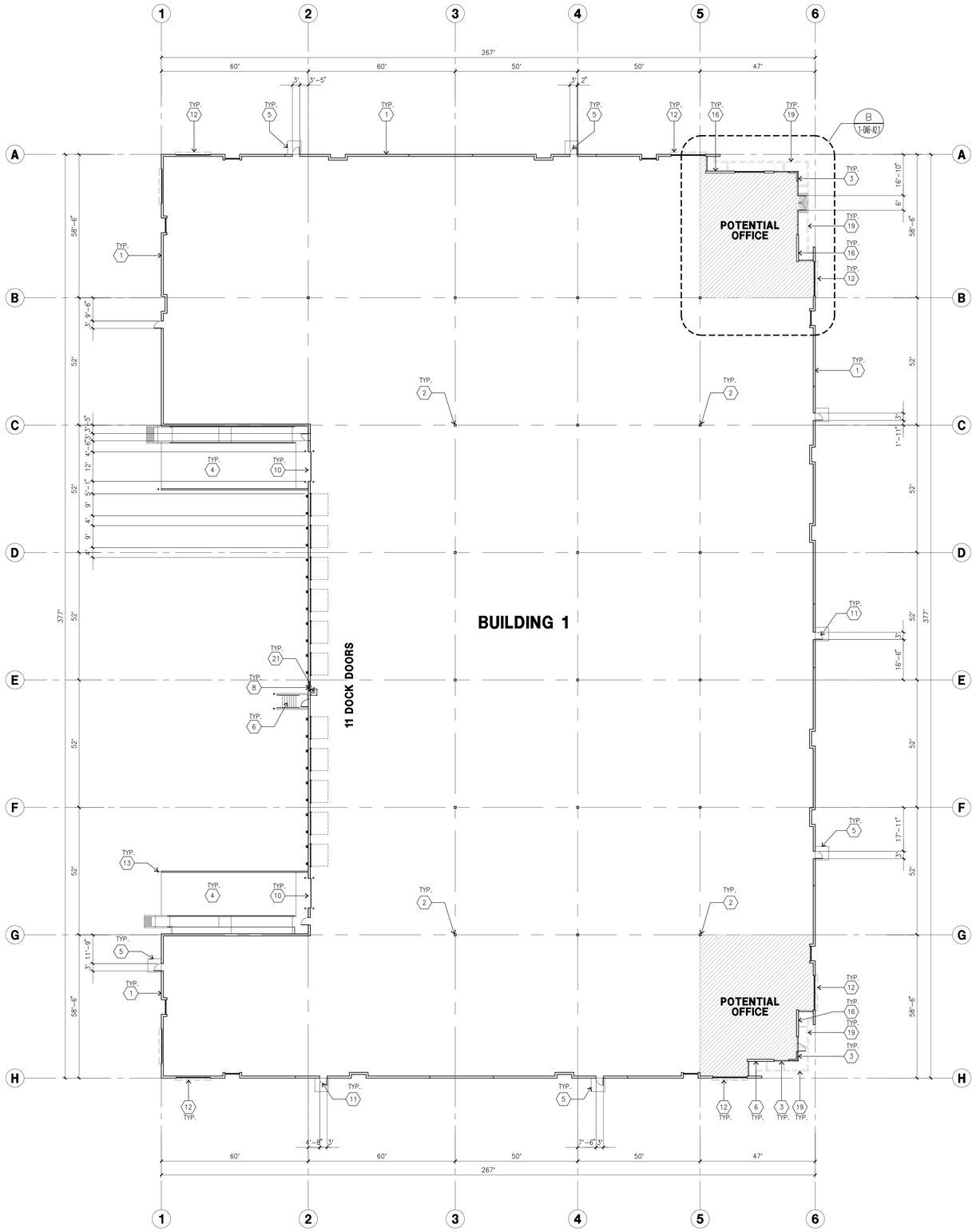
Title: Fire Access Plan

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

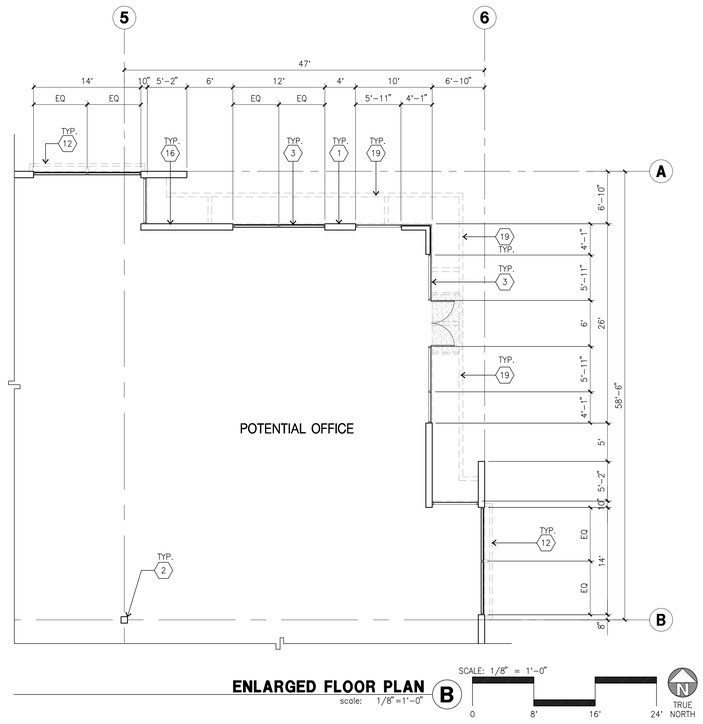
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OVERALL FLOOR PLAN
scale: 1" = 20'-0"
A
SCALE: 1" = 20'-0"
0 20' 40' 60'
TRUE NORTH



ENLARGED FLOOR PLAN
scale: 1/8" = 1'-0"
B
SCALE: 1/8" = 1'-0"
0 8' 16' 24'
TRUE NORTH

FLOOR PLAN KEYNOTES

1. CONCRETE TILT-UP PANEL.
2. STRUCTURAL STEEL COLUMN.
3. TYPICAL STOREFRONT SYSTEM WITH GLAZING. SEE OFFICE BLOW-UP AND ELEVATIONS FOR SIZE, COLOR AND LOCATIONS.
4. CONCRETE RAMP W/ 42"HIGH CONC TILT-UP GUARD WALL OR BUILDING WALL ON BOTH SIDE OF RAMP.
5. 5'-6"X5'-6"X4" THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY AS REQ. BY CITY INSPECTOR.
6. EXTERIOR CONCRETE STAIR WITH GUARDRAIL AND HANDRAIL.
7. 9' X 10' TRUCK DOOR, SECTIONAL O.H., STANDARD GRADE.
8. LOUVERED OPENING FOR VENTILATION.
9. DOCK DOOR BUMPER TYPICAL.
10. 12' X 14' DRIVE THRU. SECTIONAL O.H., STANDARD GRADE.
11. 3' X 7' HOLLOW METAL EXTERIOR MAN DOOR.
12. SOFFIT LINE ABOVE
13. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
14. NOT USED.
15. Z GUARD.
16. RECESSED KNOX BOX 5' HIGH FROM FINISH SURFACE. PER FIRE DEPARTMENT STANDARD.
17. ROOF ACCESS LADDER.
18. INTERIOR LONG-TERM BIKE RACK. BIKE RACK TO BE PERMANENTLY ANCHORED.
19. TUBE STEEL CANOPY.
20. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.
21. INTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

FLOOR SLAB & POUR STRIPS REQ.

THESE NOTES ARE VERY MIN. REQUIREMENT. SEE "S" DWGS FOR ADDITIONAL REQUIREMENTS

1. FLOOR COMPACTION - 95%
2. TRENCH COMPACTION - 90%
3. BUILDING FLOOR SLAB: SEE STRUCTURAL DRAWINGS.
4. CONTRACTOR TO BUILD FOR CLASS V FLOOR PER A.C.I. 302-1R-96
5. CONCRETE SLAB TO HAVE STEEL FLOAT HARD TROWEL BURNISHED FINISH.
6. CONTRACTOR TO CURE SLAB TO BE WET CURING USING BURLINE FOR 7 DAYS MIN.
7. ALL EQUIPMENT & MOVING VEHICLES SHALL BE DIAPERED.
8. NO CRANES, CONCRETE TRUCKS, OR ANYTHING HEAVIER WILL BE PLACED ON THE SLAB.
9. SLAB TO BE FF50 FL35 MEASURED WITHIN 24 HOURS.
10. NO FLY ASH IN THE CONCRETE.
11. WHERE [▨] INDICATED, PROVIDE VAPOR BARRIER (15MIL STEGO OR EQUAL) UNDER THE CONCRETE SLAB. PROVIDE SAND PER SOILS ENGINEER OR MANUFACTURER'S RECOMMENDATION.

CONCRETE SLAB IN FUTURE OFFICE AREAS, WHERE SAND OVER VIQUEEN ARE REQUIRED, SHALL BE NATURALLY HYDRATED WITHOUT USE OF BURLENE, CURING COMPOUND, OR RELEASE AGENTS.
CONTROL/CONSTRUCTION JOINTS SHALL NOT BE FILLED WITH MM-80 JOINT FILLER IN FUTURE OFFICE AREAS.
12. SEAL CONCRETE SLAB W/ "LIPIDOLITH" SEALER
13. 10' POUR STRIP AT TRUCK DOOR, 4FT. MAX. ELSEWHERE.
14. ALL FLOOR SLAB NAIL OR BRACE FRAME HOLES FILLED WITH APPROVED 2 PAR EPOXY COMPOUND TO MATCH CONCRETE COLOR. PEGA BOND LV 2000,BURKE EPOXY INJECTION RESIN OR EQUAL.
15. PROVIDE FIRE EXTINGUISHERS PER FIRE DEPARTMENT REQUIREMENT.
16. MM-80 AT SPEED BAY ONLY

NOTE:
ALL FIRE RISER AND UNPROTECTED ROOF DRAIN TO RECEIVE TO PROTECTIVE BOLLARDS.

FLOOR PLAN GENERAL NOTES

1. THIS BUILDING IS DESIGNED FOR HIGH PILE STORAGE WITH FIRE ACCESS MAN DOORS AT APPROXIMATELY 125' O.C. A SEPARATE PERMIT WILL BE REQUIRED FOR ANY RACKING/CONVEYER SYSTEMS.
2. FIRE HOSE LOCATIONS SHALL BE APPROVED PER FIRE DEPARTMENT.
3. SEE "C" DRAWINGS FOR FINISH SURFACE ELEVATIONS.
4. WAREHOUSE INTERIOR CONCRETE WALLS ARE PAINTED WHITE. COLUMNS ARE TO RECEIVE PRIMER ONLY. ALL GYP. BD. WALLS IN WAREHOUSE TO RECEIVE 1 COAT OF WHITE TO COVER.
5. SLOPE POUR STRIP 1/2" TO EXTERIOR AT ALL MANDOOR EXITS. SEE "S" DRAWINGS FOR POUR STRIP LOCATION.
6. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE PANEL WALL, GRID LINE, OR FACE OF STUD U.N.O.
7. SEE CIVIL DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR TO VERIFY ACTUAL UTILITY LOCATIONS. PLUMBING/ELECTRICAL COORDINATION.
8. SEE BELOW FOR DOOR TYPES AND SIZES.
NOTE: ALL DOORS PER DOOR SCHEDULE ARE FINISH OPENINGS.
9. CONTRACTOR TO PROTECT AND KEEP THE FLOOR SLAB CLEAN. ALL EQUIPMENT TO BE DIAPERED INCLUDING CARS AND TRUCKS.
10. ALL EXIT MAN DOORS IN WAREHOUSE TO HAVE ILLUMINATED EXIT SIGN HARDWARE.
11. HIGHLY FLAMMABLE AND COMBUSTIBLE MATERIAL SHALL NOT BE USED OR STORED IN THIS BUILDING.
12. EACH EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT". THE MOUNTING HEIGHT FOR SUCH SIGNAGE SHALL BE 60" FROM FINISH FLOOR LEVEL TO THE CENTER OF THE SIGN.
13. NON-ACCESSIBLE DOOR. PROVIDE WARNING SIGN LOCATED IN THE INTERIOR SIDE PER CBC 11B-703.5
14. ALL ROOF MOUNTED MATERIALS SHALL BE FULLY SCREENED FROM PUBLIC VIEW, SEE A/A4.1 OFFICE SECTION.
15. PROVIDE FIRE RATED PANEL JOINTS AND CAULKING AT ALL OPENINGS ON 3HR FIRE RATED WALL. SEE A DRAWING FOR LOCATIONS.
16. PROVIDE FIRE EXTINGUISHERS PER FIRE MARSHALL

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4675 MacArthur Court, Suite 625
Newport Beach, CA 92660

tel: (949) 892-4900

Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

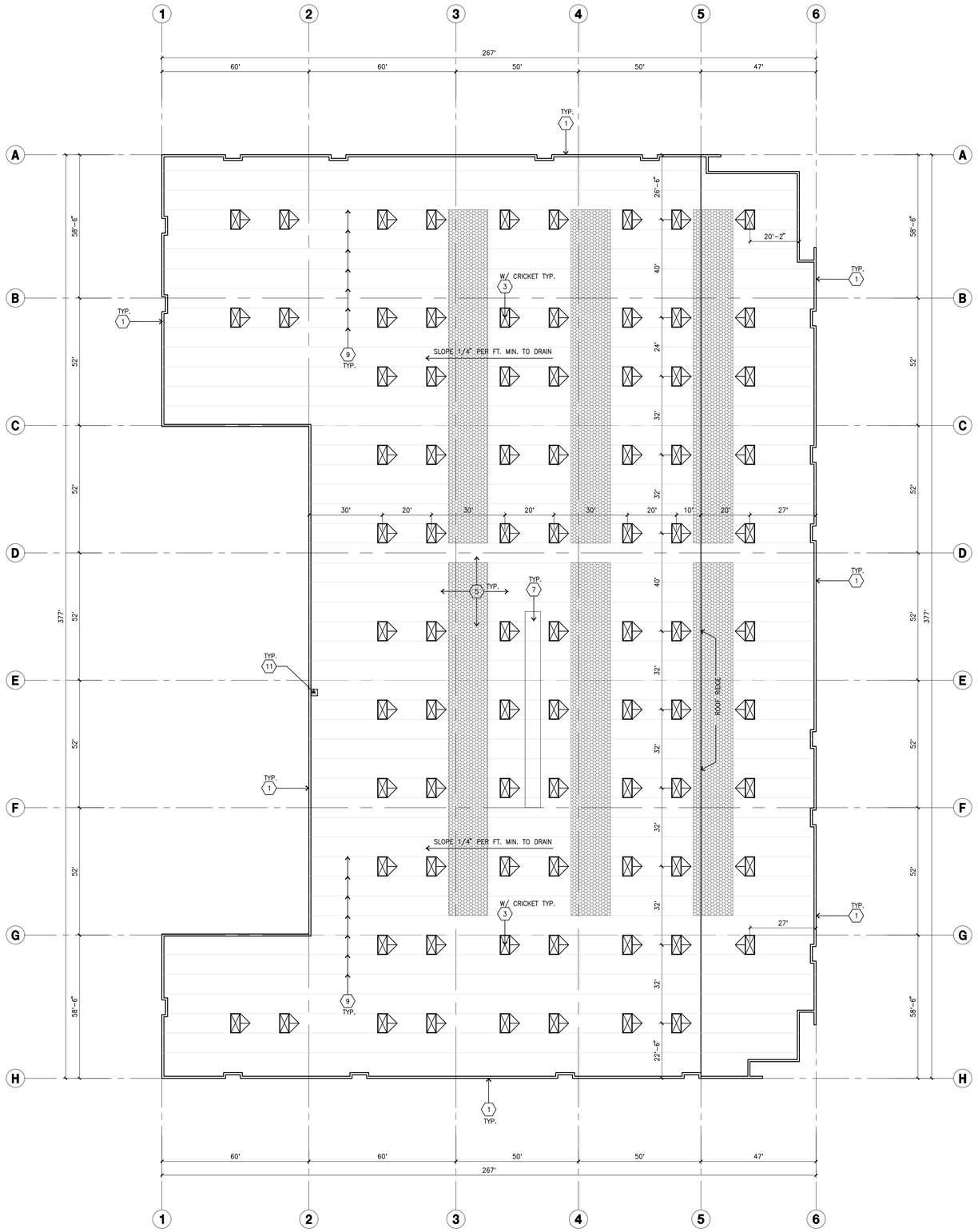
Title: Overall Site Plan

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

Sheet:

1-DAB-A2.1

CAUTION: IF THIS SHEET IS NOT 30"X42" IT IS A REDUCED PRINT



OVERALL ROOF PLAN scale: 1"=20'-0" (A)

SCALE: 1" = 20'-0"

0 20' 40' 60'

TRUE NORTH

ROOF PLAN KEYNOTES

1. CONCRETE PARAPET.
2. NOT USED
3. 4'X8' CURB MOUNTED SKYLIGHT.
4. NOT USED
5. **PROVIDE 4-PLY BUILT-UP ROOFING OVER ROOF SHEATHING OVER ROOF FRAMING. U.N.O.. ROOFING TO BE ND-24 CAP ROOFING BY JOHNS-MANVILLE OR EQUAL (CLASS A RATED). 10 YEAR NO DOLLAR LIMIT WARRANTY AND 2 YEAR LABOR GUARANTEE**
6. ROOF HATCH LOCATION.
7. ROOF ADDRESS PAINTED BLACK WITH 4' HIGH AND 1' WIDE STROKE PER LETTER.
8. PARAPET RETURN.
9. STRUCTURAL JOIST.
10. EXTERIOR DOWNSPOUT WITH OVERFLOW SCUPPERS.
11. INTERIOR ROOF DRAIN WITH OVERFLOW SCUPPERS.
12. INTERIOR ROOF DRAIN WITH OVERFLOW DRAIN.

ROOF PLAN GENERAL NOTES

A. ALL DIMENSIONS ARE TO FACE OF CONCRETE WALL, GRIDLINE, OR FACE OF STUD. (U.N.O.)

B. VERIFY THAT ALL ROOF AREAS HAVE POSITIVE DRAINAGE(1/4" FT.) PRIOR TO ROOF INSULATION INSTALLATION.

C. REFER TO "S" DRAWINGS FOR ROOF HEIGHT ELEVATIONS IN REGARDS TO ROOF DRAINAGE.

D. CONTRACTOR TO VERIFY AND COORDINATE WITH ALL SUBCONTRACTORS, ALL LOCATIONS AND SIZES OF ROOF OPENINGS.

E. FOR TYP. ROOF PENETRATIONS, SEE DETAIL 6, 9, 10/AD.3 CONTRACTOR TO VERIFY ALL LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS

F. CONTRACTOR TO VERIFY ALL ROOF DRAIN DEPRESSIONS W/ "S" DRAWINGS.

G. CONTRACTOR TO COORDINATE EXACT SKYLIGHT LOCATION W/ FIRE SPRINKLER AND ROOF FRAMING SUBCONTRACTORS. LOCATIONS ON DRAWINGS ARE APPROXIMATE.

H. ALL SKYLIGHTS TO BE DESIGNED PER WIND SPEED DESIGN CRITERIA W/ STRONGER FRAMES, SUPPORTS AND DOMES. MANUFACTURER TO CONFIRM IN WRITING.

I. ROOF DRAINS AND OVERFLOW DRAINS TO BE A MIN. 8" DIA., SEE "P" DRAWINGS FOR EXACT SIZE.

J. PROVIDE SHAPED CRICKETS AS REQUIRED FOR PROPER ROOF DRAINAGE OF 1/4" PER FOOT (MIN.).

K. **BUILT UP ROOFING TO BE DESIGNED FOR I 90 AND TO BE A U.L. CLASS A ROOF. FLASHING: 6AF TYPE 5MB MOPPED AP SHEET, U.L. TYPE 63 BUR.**

L. ALL ROOFING FASTENERS SHALL MEET ALL CODE AND REGULATION REQUIREMENTS. PROPER REQUIREMENTS ARE IN PROJECTS JURISDICTION AND ALSO, FACTORY MUTUAL (FM) WIND UPLIFT PRESSURE REQUIREMENTS.

M. ALL SKYLIGHTS TO BE PLACED A MIN. OF 18'-0" FROM INSIDE FACE OF PARAPET

N. USE WHITE SCRIM FOIL INSULATION IN THE WAREHOUSE AREA.

O. SMOKE VENTS SHALL BE REQUIRED IF AREAS FOR "POTENTIAL OFFICES" WILL BE USED FOR HIGH PILE COMBUSTIBLE STORAGE.

P. ROOF DRAINS, OVERFLOW DRAINS AND RAINWATER PIPING WITHIN THE INTERIOR OF THE BUILDING SHALL BE TESTED IN ACCORDANCE WITH THE PROVISIONS OF THE PLUMBING CODE FOR TESTING DRAIN, WASTE AND VENT SYSTEMS

Q. ROOF DRAINS, OVERFLOW PIPING WITHIN THE BUILDING SHALL UTILIZE APPROVED DRAINAGE FITTINGS.

R. MANUFACTURED ROOF DRAINS AND OVERFLOWS(FIXTURES) SHALL BE IAPMO LISTED

ROOF LEGEND

- 4' X 8' SKYLIGHT
- ROOF HATCH
- STRUCTURAL JOISTS SEE "S" DRAWINGS.
- BUILDING PARAPET LINE
- EXTERIOR DOWNSPOUT W/ OVERFLOW SCUPPER
- INTERIOR ROOF DRAIN W/ OVERFLOW SCUPPERS
- PROPOSED 15% SOLAR ZONE AREA

SKYLIGHT/SMOKEHATCH CALCULATION

PROJECT:
CLEAR HEIGHT IN WAREHOUSE ARE = **32** FT. CLEAR FROM 6" BEYOND COLUMN "**3**" SEE A2.1 FOR LOCATIONS

REQUIRED

BUILDING FOOTPRINT = 87,223 S.F.

SKYLIGHTS REQUIRED = 3.0% = 2,624 S.F. (82 E.A.)

PROVIDED

SKYLIGHTS PROVIDED = 3.0% = 2,624 S.F. (82 E.A.)

MODEL

SKYLIGHT MODEL — MANUFACTURED BY BRISTOLITE DAYLIGHTING SYSTEM MODEL # T4896-SS-CM-1-HS1 OR EQUAL ICC-ESR-3177

BURGLAR BAR REQUIRED

HPA architecture

hpa, inc.
18831 bardeen avenue, - ste. #100
irvine, ca
92612
tel: 949•863•1770
fax: 949•863•0851
email: hpa@hparchs.com

Owner:

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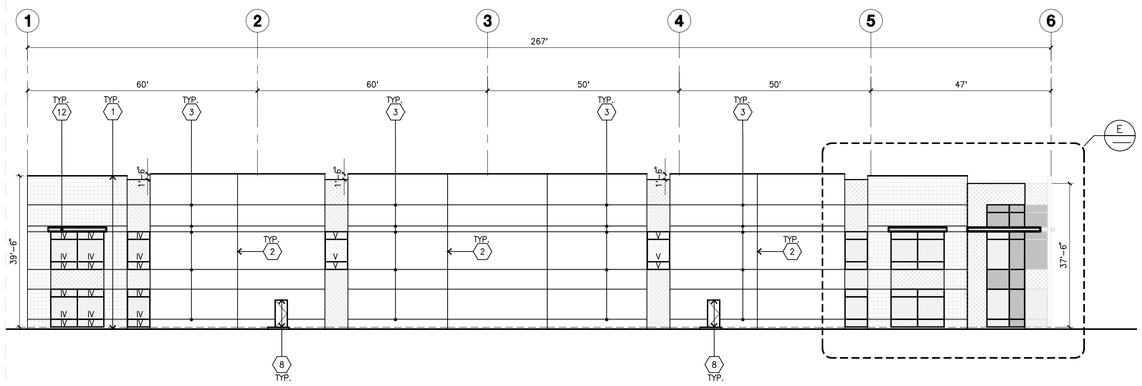
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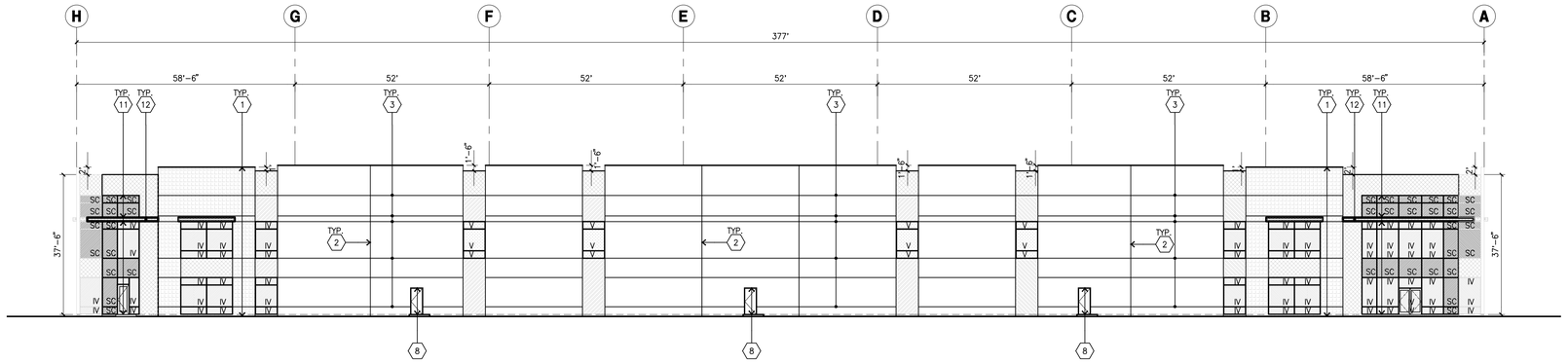
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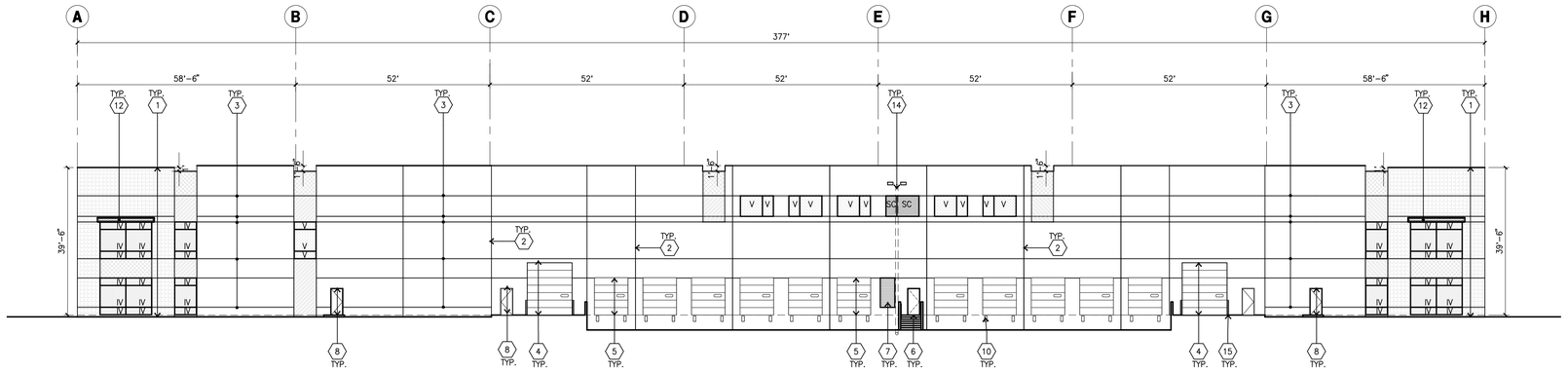


SOUTH ELEVATION B
scale: 1/16"=1'-0"

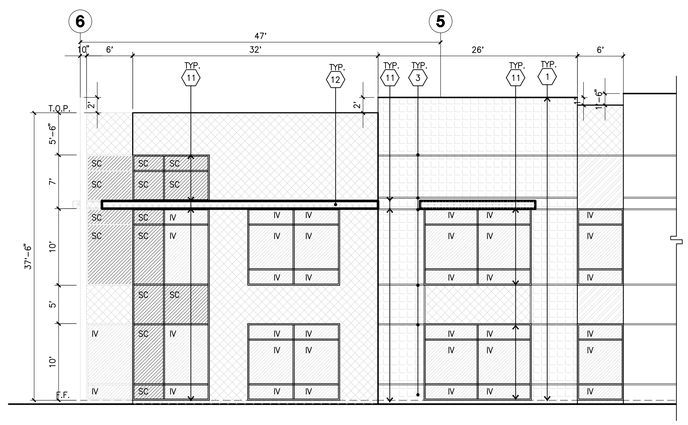
NORTH ELEVATION A
scale: 1/16"=1'-0"



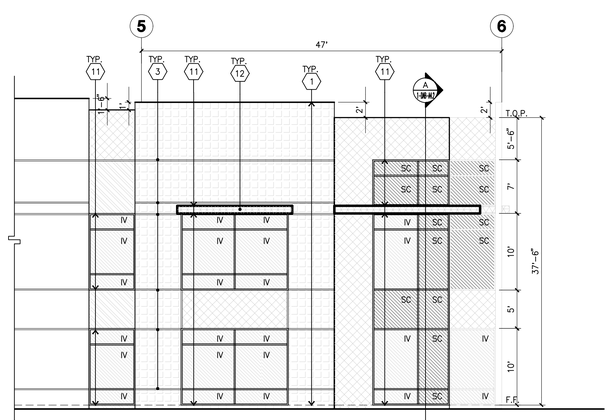
EAST ELEVATION C
scale: 1/16"=1'-0"



WEST ELEVATION D
scale: 1/16"=1'-0"



ENLARGED NORTH ELEVATION F
scale: 1/8"= 1'-0"



ENLARGED SOUTH ELEVATION E
scale: 1/8"= 1'-0"

ELEVATION GENERAL NOTES

1. ALL PAINT COLOR CHANGES TO OCCUR AT INSIDE CORNERS UNLESS NOTED OTHERWISE.

2. ALL PAINT FINISHES ARE TO BE FLAT UNLESS NOTED OTHERWISE.

3. T.O.P. EL.= TOP OF PARAPET ELEVATION.

4. F.F. = FINISH FLOOR ELEVATION.

5. STOREFRONT CONSTRUCTION: GLASS, METAL ATTACHMENTS AND LINTELS SHALL BE DESIGNED TO RESIST -- MPH. EXPOSURE "C" WINDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO INSTALLATION.

6. CONTRACTOR SHALL FULLY PAINT ONE CONCRETE PANEL W/ SELECTED COLORS. ARCHITECT AND OWNER SHALL APPROVE PRIOR TO PAINTING REMAINDER OF BUILDING.

7. BACK SIDE OF PARAPETS TO HAVE SMOOTH FINISH AND BE PAINTED WITH ELASTOMERIC PAINT.

8. FOR SPANDREL GLAZING, ALLOW SPACE BEHIND SPANDREL TO BREATH. PROVIDE 1" DIAMETER HOLES AT CONCRETE WALL.

9. USE ADHESIVE BACK WOOD STRIPS FOR ALL REVEAL FORMS.

10. THE FIRST COAT OF PAINT TO BE ROLLED--ON AND THE SECOND COAT TO BE SPRAYED--ON

11. ALL ROLL--UP DOORS AND SERVICE DOORS TO BE PAINTED TO MATCH BUILDING COLOR.

ELEVATION KEYNOTES

1. CONCRETE TILT--UP PANEL.
2. PANEL JOINT.
3. PANEL REVEAL. ALL REVEALS TO HAVE A MAX. OF 3/8" CHAMFER. REVEAL COLOR TO MATCH ADJACENT BUILDING FIELD COLOR. U.N.O.
4. 12' X 14' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER--STRIPPING PROTECTION ALL AROUND.
5. 9' X 10' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER--STRIPPING PROTECTION ALL AROUND.
6. CONCRETE STAIR, LANDING AND GUARDRAIL W/ METAL PIPE HANDRAIL. PROVIDE NON SKID NOSING TO MEET ADA REQUIREMENTS. PROVIDE CONTRASTING COLORED 3" WIDE WARNING STRIPE INTEGRAL TO CONCRETE AT TOP LANDING AND BOTTOM TREAD PER ADA REQUIREMENTS.
7. 4' X 8' METAL LOUVER OPENING FOR VENTILATION. PAINT TO MATCH BUILDING COLOR.
8. HOLLOW METAL DOORS. PROVIDE COMPLETE WEATHER STRIPING ALL AROUND DOOR.
9. ROOF LINE BEYOND.
10. DOCK DOOR BUMPER TYPICAL.
11. ALUMINUM STOREFRONT FRAMING WITH TEMPERED GLAZING AT ALL DOORS, SIDELITES ADJACENT TO DOORS AND GLAZING WITH BOTTOMS LESS THAN 18" ABOVE FINISH FLOOR ELEVATION.
12. METAL CANOPY.
13. KNOCK--OUT PANEL.
14. INTERIOR ROOF DRAIN W/ 2 OVERFLOW SCUPPERS.
15. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
16. EXTERIOR LIGHTING FIXTURE.
17. APPROXIMATE LOCATION OF ADDRESS ON WALL.
18. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

ELEVATION COLOR LEGEND/SCHED.

1. PAINT. COLOR : SW 7667 ZIRCON
2. PAINT. COLOR : SW 7670 GRAY SHINGLE
3. PAINT. COLOR : SW 7674 PEPPERCORN
4. PAINT. COLOR : SW 6243 DISTANCE
5. MULLIONS COLOR : BLACK ANODIZED
6. GLAZING COLOR : BLUE REFLECTIVE
7. METAL CANOPY: SHERWIN WILLIAMS ACRYLIC LATEX SYSTEMS HIGH GLOSS/HIGH PERFORMANCE SHERWIN WILLIAMS SW 7674 PEPPERCORN

GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV INSULATED VISION GLASS

SC SPANDREL GLASS WITH CONCRETE BEHIND

V SINGLE LITE VISION GLASS

IV : INSULATED VISION GLASS
1/4" **VISTACOOL PACIFICA** + 1/4" **SOLARBAN 60** CLEAR
1" INSULATED GLASS UNIT WITH 1/2" AIRSPACE AND 1/4" LITES
U: **0.27** SHGC: **0.21** VLT: **28%**
MINIMUM VT TO BE 0.42 PER 2019 CEC TABLE 140.3-B

SC : SPANDREL WITH CONCRETE BEHIND
1/4" **VISTACOOL PACIFICA** WITH **HARMONY BLUE** OPACICOAT PAINTED ON REFLECTIVE. INSTALLED ON CONCRETE.

V : VISION GLASS
1/4" **VISTACOOL PACIFICA**

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92612
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Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title: Elevations

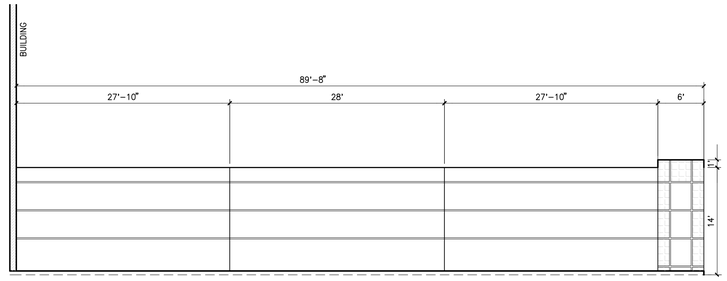
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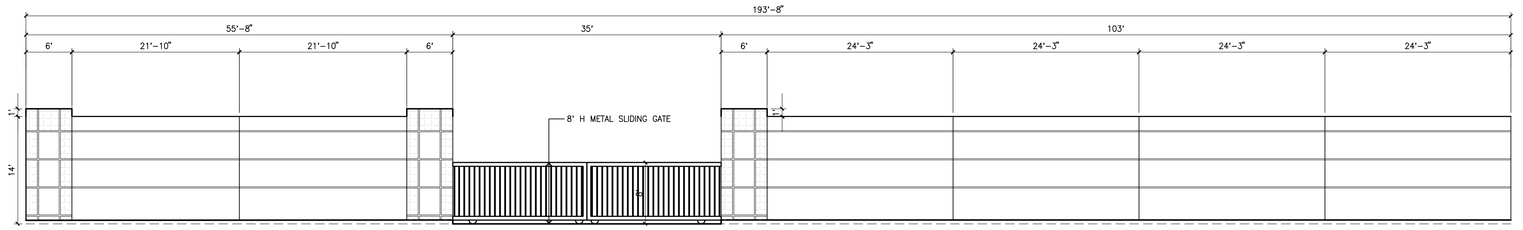
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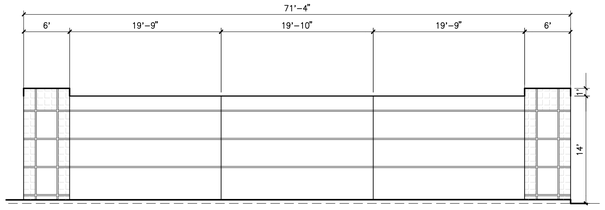
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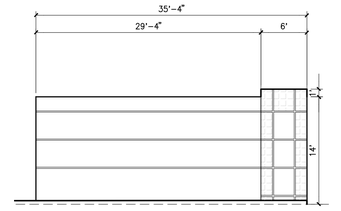
SCREENWALL ELEVATION A
scale: 1/8" = 1'-0"



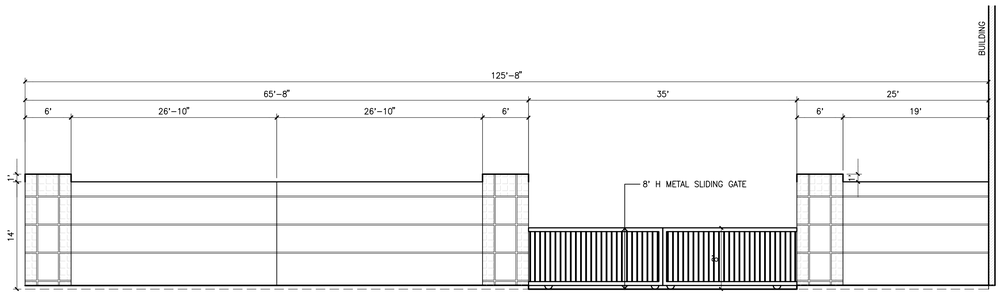
SCREENWALL ELEVATION B
scale: 1/8" = 1'-0"



SCREENWALL ELEVATION D
scale: 1/8" = 1'-0"

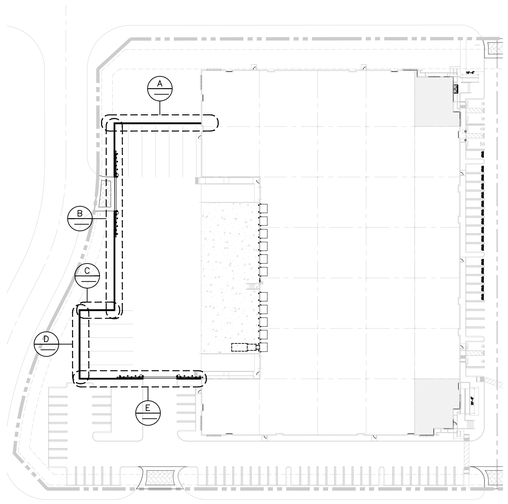


SCREENWALL ELEVATION C
scale: 1/8" = 1'-0"



SCREENWALL ELEVATION E
scale: 1/8" = 1'-0"

KEYMAP



COLOR LEGEND

SHERWIN-WILLIAMS SW 7667 ZIRCON ①

SHERWIN-WILLIAMS SW 7670 GRAY SHINGLE ②

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Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

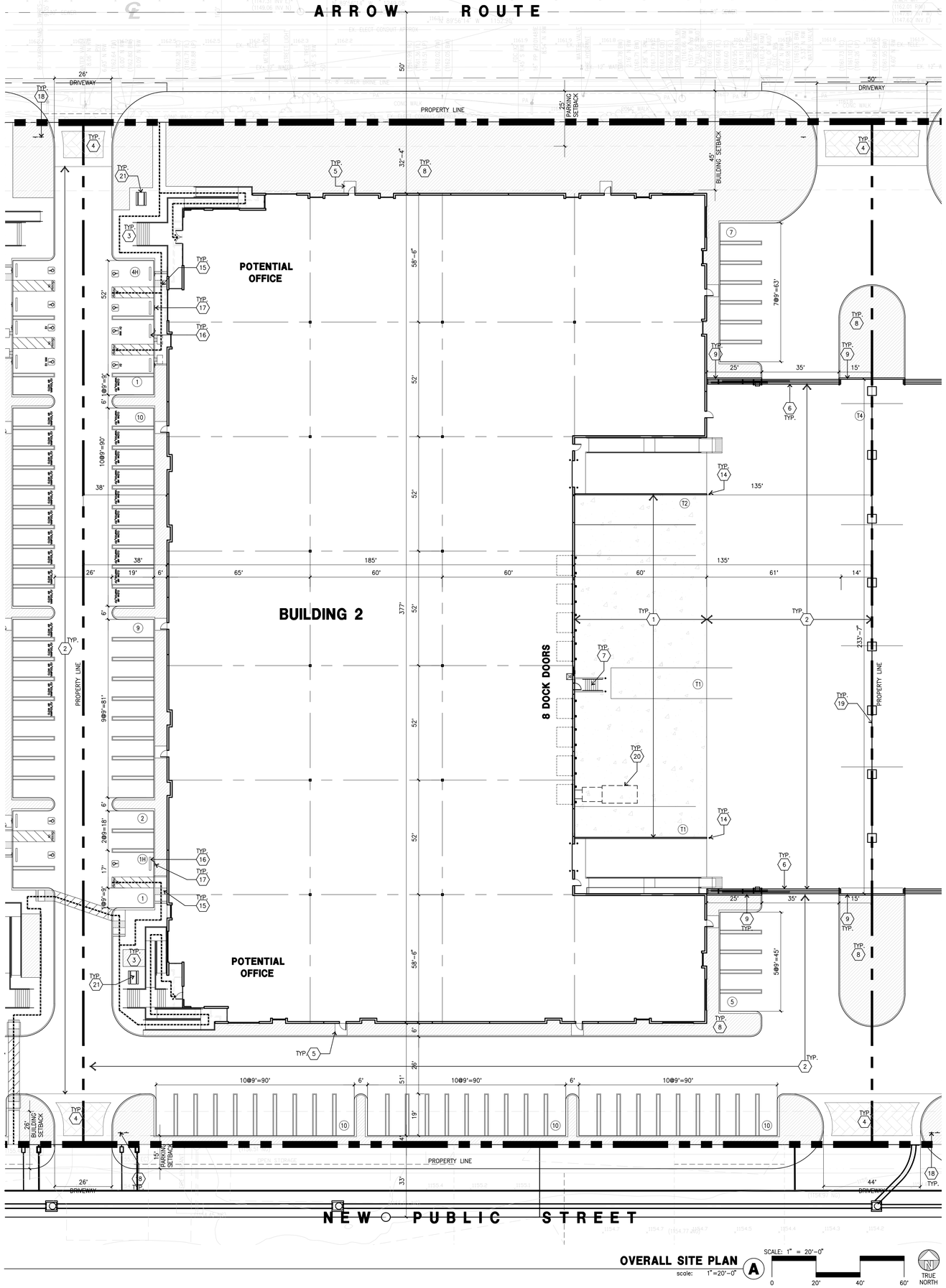
Title: SCREEN WALL

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OVERALL SITE PLAN
scale: 1"=20'-0" (A)

SCALE: 1" = 20'-0"
0 20' 40' 60'
TRUE NORTH

SITE PLAN KEYNOTES

1. HEAVY BROOM FINISH CONC. PAVEMENT,
2. AC PAVING.
3. CONCRETE WALKWAY
4. DECORATIVE DRIVEWAY APRONS TO BE CONSTRUCTED PER "L" DRAWINGS.
5. 5'-6"X5'-6"X4" MIN. THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. SLOPE TO BE 1/4" : 12" MAX. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY W/ 1:20 MAX. AS REQ. BY CITY INSPECTOR.
6. 8' H PROVIDE METAL, MANUAL OPERATED GATES W/ KNOX-PAD LOCK PER FIRE DEPARTMENT STANDARDS PER DRIVEWAY.
7. EXTERIOR CONC. STAIR.
8. LANDSCAPE.
9. 14'H CONCRETE TILT-UP SCREEN WALL
10. 2X2 EV CONDUIT CONCRETE PAD.
11. APPROXIMATE LOCATION OF TRANSFORMER.
12. BIKE RACK.
13. TRASH ENCLOSURE
14. CONCRETE FILLED GUARD POST "6 DIA. U.N.O. 42" H.
15. TRUNCATED DOME.
16. PRE-CAST CONCRETE WHEEL STOP.
17. ACCESSIBLE PARKING STALL SIGN.
18. ACCESSIBLE ENTRY SIGN.
19. 8'H WROUGHT IRON FENCE.
20. TRASH COMPACTOR
21. BREAK AREA
22. RETAINING WALL

SITE PLAN GENERAL NOTES

1. THE SITE PLAN BASED ON THE SOILS REPORT PREPARED BY: TBD

2. IF SOILS ARE EXPANSIVE IN NATURE, USE STEEL REINFORCING FOR ALL SITE CONCRETE.

3. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE WALL, FACE OF CONCRETE CURB OR GRID LINE U.N.O.

4. SEE "C" PLANS FOR ALL CONCRETE CURBS, GUTTERS AND SWALES.

5. THE ENTIRE PROJECT SHALL BE PERMANENTLY MAINTAINED WITH AN AUTOMATIC IRRIGATION SYSTEM.

6. SEE "C" DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS.

7. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. SEE "C" DRAWINGS.

8. CONTRACTOR TO REFER TO "C" DRAWINGS FOR ALL HORIZONTAL CONTROL DIMENSIONS. SITE PLANS ARE FOR GUIDANCE AND STARTING LAYOUT POINTS.

9. SEE "C"DRAWINGS FOR FINISH GRADE ELEVATIONS.

10. CONCRETE SIDEWALKS TO BE A MINIMUM OF 4" THICK W/ TOOLED JOINTS AT 6' O.C. EXPANSION/CONSTRUCTION JOINTS SHALL BE A MAXIMUM 12' EA. WAY. EXPANSION JOINTS TO HAVE COMPRESSIVE EXPANSION FILLER MATERIAL OF 1/4". FINISH TO BE A MEDIUM BROOM FINISH U.N.O.

11. PAINT CURBS AND PROVIDE SIGNS TO INFORM OF FIRE LANES AS REQUIRED BY FIRE DEPARTMENT.

12. CONSTRUCTION DOCUMENTS PERTAINING TO THE LANDSCAPE AND IRRIGATION OF THE ENTIRE PROJECT SITE SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND APPROVED BY PUBLIC FACILITIES DEVELOPMENT PRIOR TO ISSUANCE OF BUILDING PERMITS.

13. PRIOR TO FINAL CITY INSPECTION, THE LANDSCAPE ARCHITECT SHALL SUBMIT A CERTIFICATE OF COMPLETION TO PUBLIC FACILITIES DEVELOPMENT.

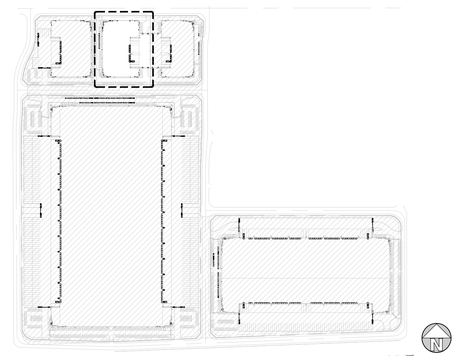
14. ALL LANDSCAPE AND IRRIGATION DESIGNS SHALL MEET CURRENT CITY STANDARDS AS LISTED IN GUIDELINES OR AS OBTAINED FROM PUBLIC FACILITIES DEVELOPMENT.

15. LANDSCAPED AREAS SHALL BE DELINEATED WITH A MINIMUM SIX INCHES (6") HIGH CURB.

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19') VANPOOL (12' X 19')
- PATH OF TRAVEL
- 12" WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

KEY MAP



HPA architecture

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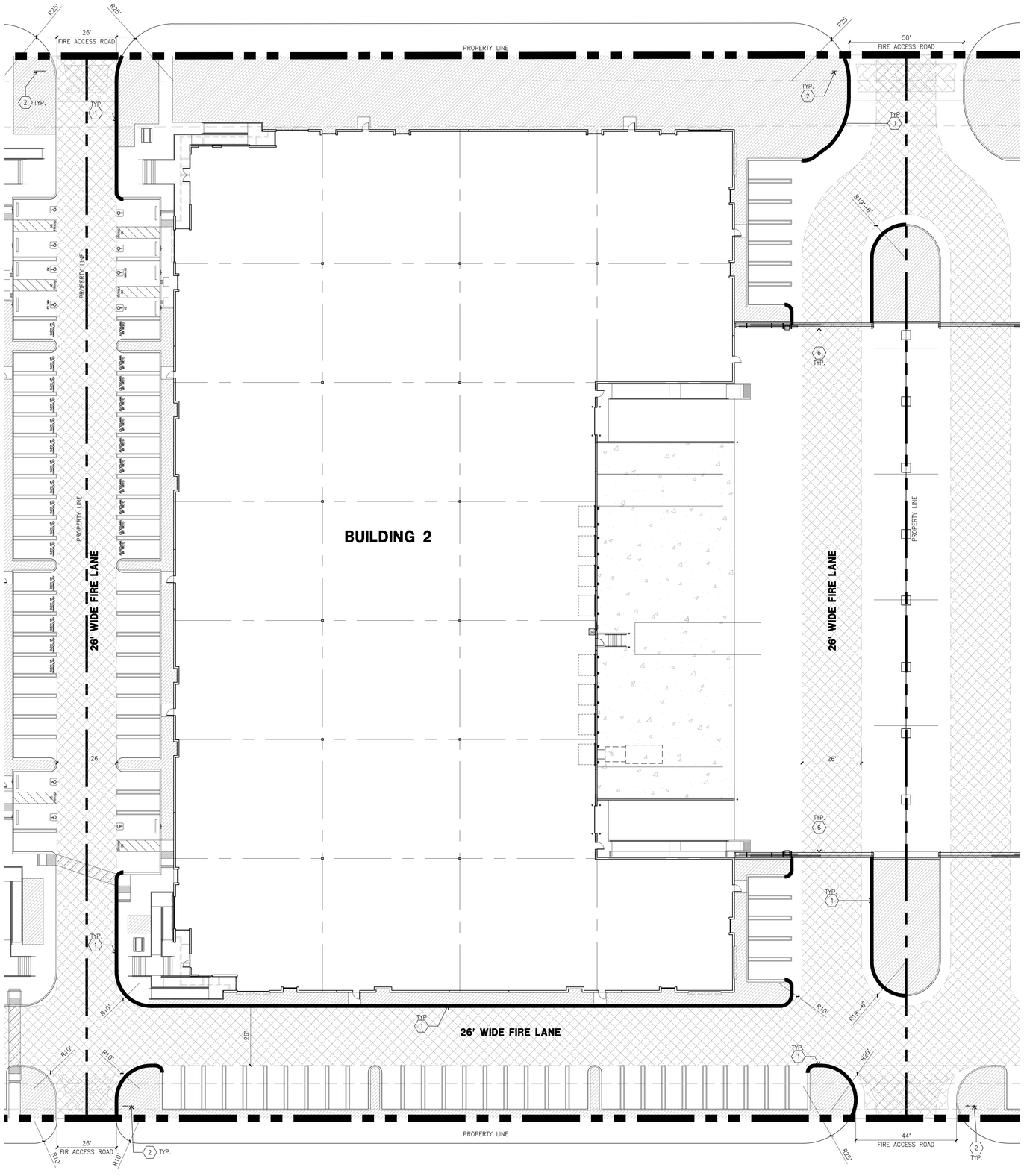
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ARROW ROUTE



NEW PUBLIC STREET

FIRE ACCESS PLAN (A)
scale: 1"=20'-0"

SCALE: 1" = 20'-0"
20' 40' 60'
TRUE NORTH

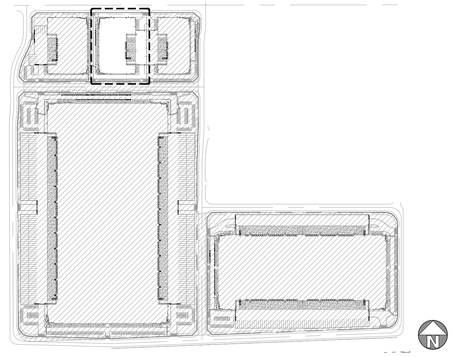
FIRE KEYNOTES

1. FIRE LANE IDENTIFICATION – RED CURB.
2. FIRE LANE ENTRANCE SIGN.
3. FIRE LANE NO PARKING SIGN.
4. FIRE DEPARTMENT CONNECTION (FDC) LOCATION
5. FIRE HYDRANT – APPROXIMATE LOCATION
6. MANUAL SLIDING GATE WITH KNOX PADLOCK

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19') VANPOOL (12' X 19')
- PATH OF TRAVEL
- 12" WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

KEY MAP



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Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

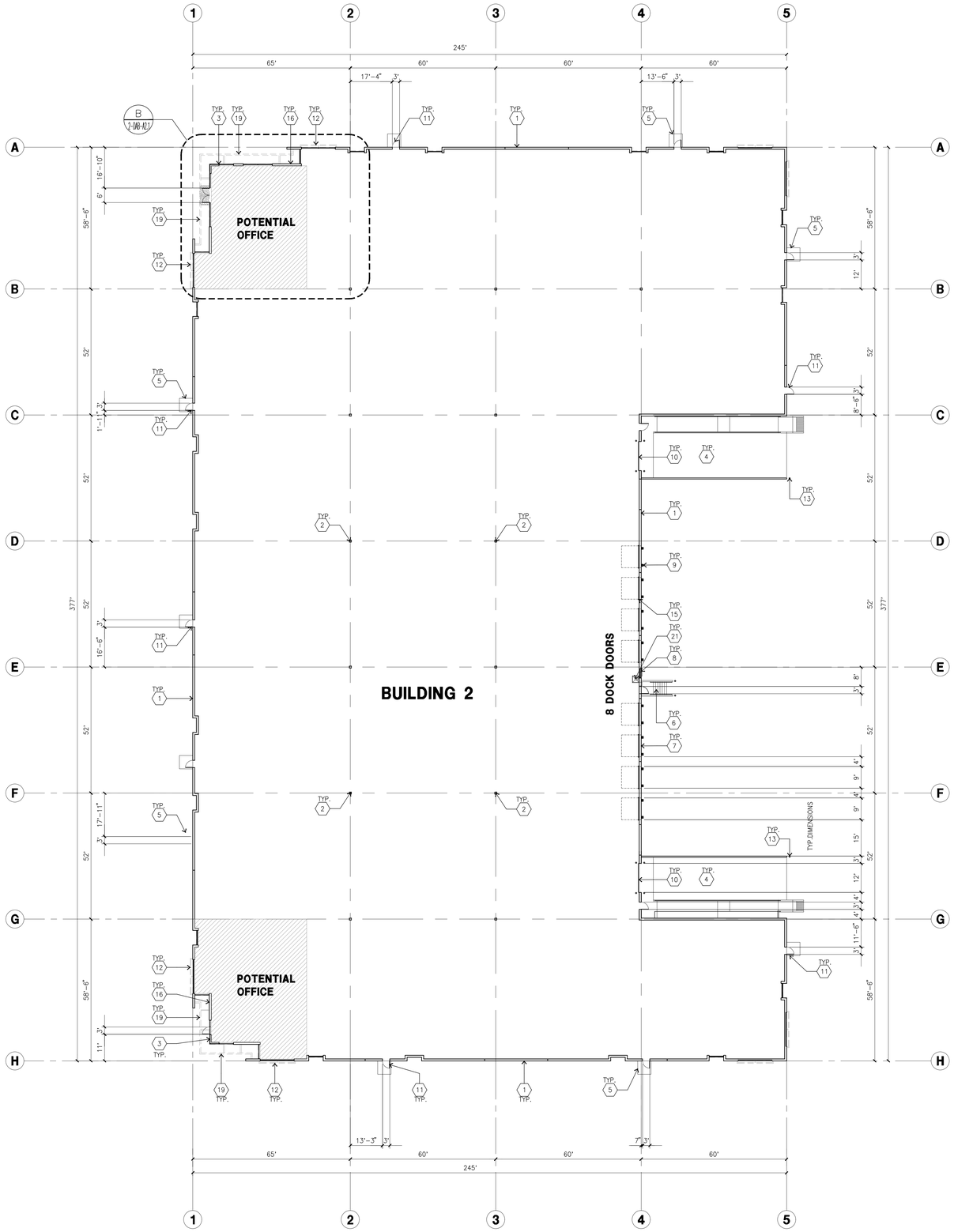
Title: Fire Access Plan

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

Sheet:

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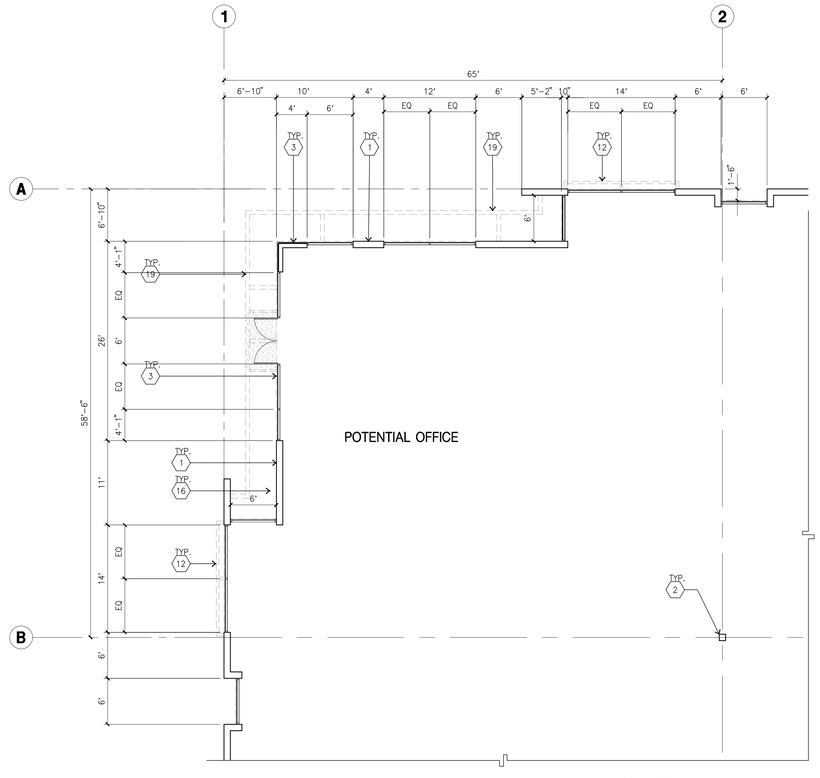


OVERALL FLOOR PLAN

scale: 1"=20'-0" (A)

SCALE: 1" = 20'-0"

0 20' 40' 60' TRUE NORTH



ENLARGED FLOOR PLAN

scale: 1/8"=1'-0" (B)

SCALE: 1/8" = 1'-0"

0 8' 16' 24' TRUE NORTH

FLOOR PLAN KEYNOTES

1. CONCRETE TILT-UP PANEL.
2. STRUCTURAL STEEL COLUMN.
3. TYPICAL STOREFRONT SYSTEM WITH GLAZING. SEE OFFICE BLOW-UP AND ELEVATIONS FOR SIZE, COLOR AND LOCATIONS.
4. CONCRETE RAMP W/ 42"HIGH CONC TILT-UP GUARD WALL OR BUILDING WALL ON BOTH SIDE OF RAMP.
5. 5'-6"X5'-6"X4" THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY AS REQ. BY CITY INSPECTOR.
6. EXTERIOR CONCRETE STAIR WITH GUARDRAIL AND HANDRAIL.
7. 9' X 10' TRUCK DOOR, SECTIONAL O.H., STANDARD GRADE.
8. LOUVERED OPENING FOR VENTILATION.
9. DOCK DOOR BUMPER TYPICAL.
10. 12' X 14' DRIVE THRU. SECTIONAL O.H., STANDARD GRADE.
11. 3' X 7' HOLLOW METAL EXTERIOR MAN DOOR.
12. SOFFIT LINE ABOVE
13. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
14. NOT USED.
15. Z GUARD.
16. RECESSED KNOX BOX 5' HIGH FROM FINISH SURFACE. PER FIRE DEPARTMENT STANDARD.
17. ROOF ACCESS LADDER.
18. INTERIOR LONG-TERM BIKE RACK. BIKE RACK TO BE PERMANENTLY ANCHORED.
19. TUBE STEEL CANOPY.
20. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.
21. INTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

FLOOR SLAB & POUR STRIPS REQ.

THESE NOTES ARE VERY MIN. REQUIREMENT. SEE "S" DWGS FOR ADDITIONAL REQUIREMENTS

1. FLOOR COMPACTION - 95%
2. TRENCH COMPACTION - 90%
3. BUILDING FLOOR SLAB: SEE STRUCTURAL DRAWINGS.
4. CONTRACTOR TO BUILD FOR CLASS V FLOOR PER A.C.I. 302-1R-96
5. CONCRETE SLAB TO HAVE STEEL FLOAT HARD TROWEL BURNISHED FINISH.
6. CONTRACTOR TO CURE SLAB TO BE WET CURING USING BURLINE FOR 7 DAYS MIN.
7. ALL EQUIPMENT & MOVING VEHICLES SHALL BE DIAPERED.
8. NO CRANES, CONCRETE TRUCKS, OR ANYTHING HEAVIER WILL BE PLACED ON THE SLAB.
9. SLAB TO BE FF50 FL35 MEASURED WITHIN 24 HOURS.
10. NO FLY ASH IN THE CONCRETE
11. WHERE [▨] INDICATED, PROVIDE VAPOR BARRIER (15MIL STEGO OR EQUAL) UNDER THE CONCRETE SLAB. PROVIDE SAND PER SOILS ENGINEER OR MANUFACTURER'S RECOMMENDATION.

CONCRETE SLAB IN FUTURE OFFICE AREAS, WHERE SAND OVER VIQUEEN ARE REQUIRED, SHALL BE NATURALLY HYDRATED WITHOUT USE OF BURLENE, CURING COMPOUND, OR RELEASE AGENTS.
CONTROL/CONSTRUCTION JOINTS SHALL NOT BE FILLED WITH MM-80 JOINT FILLER IN FUTURE OFFICE AREAS.
12. SEAL CONCRETE SLAB W/ "LIPIDOLITH" SEALER
13. 10' POUR STRIP AT TRUCK DOOR. 4FT. MAX. ELSEWHERE.
14. ALL FLOOR SLAB NAIL OR BRACE FRAME HOLES FILLED WITH APPROVED 2 PAR EPOXY COMPOUND TO MATCH CONCRETE COLOR. PEGA BOND LV 2000,BURKE EPOXY INJECTION RESIN OR EQUAL.
15. PROVIDE FIRE EXTINGUISHERS PER FIRE DEPARTMENT REQUIREMENT.
16. MM-80 AT SPEED BAY ONLY

NOTE:
ALL FIRE RISER AND UNPROTECTED ROOF DRAIN TO RECEIVE TO PROTECTIVE BOLLARDS.

FLOOR PLAN GENERAL NOTES

1. THIS BUILDING IS DESIGNED FOR HIGH PILE STORAGE WITH FIRE ACCESS MAN DOORS AT APPROXIMATELY 125' O.C. A SEPARATE PERMIT WILL BE REQUIRED FOR ANY RACKING/CONVEYER SYSTEMS.
2. FIRE HOSE LOCATIONS SHALL BE APPROVED PER FIRE DEPARTMENT.
3. SEE "C" DRAWINGS FOR FINISH SURFACE ELEVATIONS.
4. WAREHOUSE INTERIOR CONCRETE WALLS ARE PAINTED WHITE. COLUMNS ARE TO RECEIVE PRIMER ONLY. ALL GYP. BD. WALLS IN WAREHOUSE TO RECEIVE 1 COAT OF WHITE TO COVER.
5. SLOPE POUR STRIP 1/2" TO EXTERIOR AT ALL MANDOOR EXITS. SEE "S" DRAWINGS FOR POUR STRIP LOCATION.
6. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE PANEL WALL, GRID LINE, OR FACE OF STUD U.N.O.
7. SEE CIVIL DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR TO VERIFY ACTUAL UTILITY LOCATIONS. PLUMBING/ELECTRICAL COORDINATION.
8. SEE BELOW FOR DOOR TYPES AND SIZES.
NOTE: ALL DOORS PER DOOR SCHEDULE ARE FINISH OPENINGS.
9. CONTRACTOR TO PROTECT AND KEEP THE FLOOR SLAB CLEAN. ALL EQUIPMENT TO BE DIAPERED INCLUDING CARS AND TRUCKS.
10. ALL EXIT MAN DOORS IN WAREHOUSE TO HAVE ILLUMINATED EXIT SIGN HARDWARE.
11. HIGHLY FLAMMABLE AND COMBUSTIBLE MATERIAL SHALL NOT BE USED OR STORED IN THIS BUILDING.
12. EACH EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT". THE MOUNTING HEIGHT FOR SUCH SIGNAGE SHALL BE 60" FROM FINISH FLOOR LEVEL TO THE CENTER OF THE SIGN.
13. NON-ACCESSIBLE DOOR. PROVIDE WARNING SIGN LOCATED IN THE INTERIOR SIDE PER CBC 11B-703.5
14. ALL ROOF MOUNTED MATERIALS SHALL BE FULLY SCREENED FROM PUBLIC VIEW, SEE A/A4.1 OFFICE SECTION.
15. PROVIDE FIRE RATED PANEL JOINTS AND CAULKING AT ALL OPENINGS ON 3HR FIRE RATED WALL. SEE A DRAWING FOR LOCATIONS.
16. PROVIDE FIRE EXTINGUISHERS PER FIRE MARSHALL

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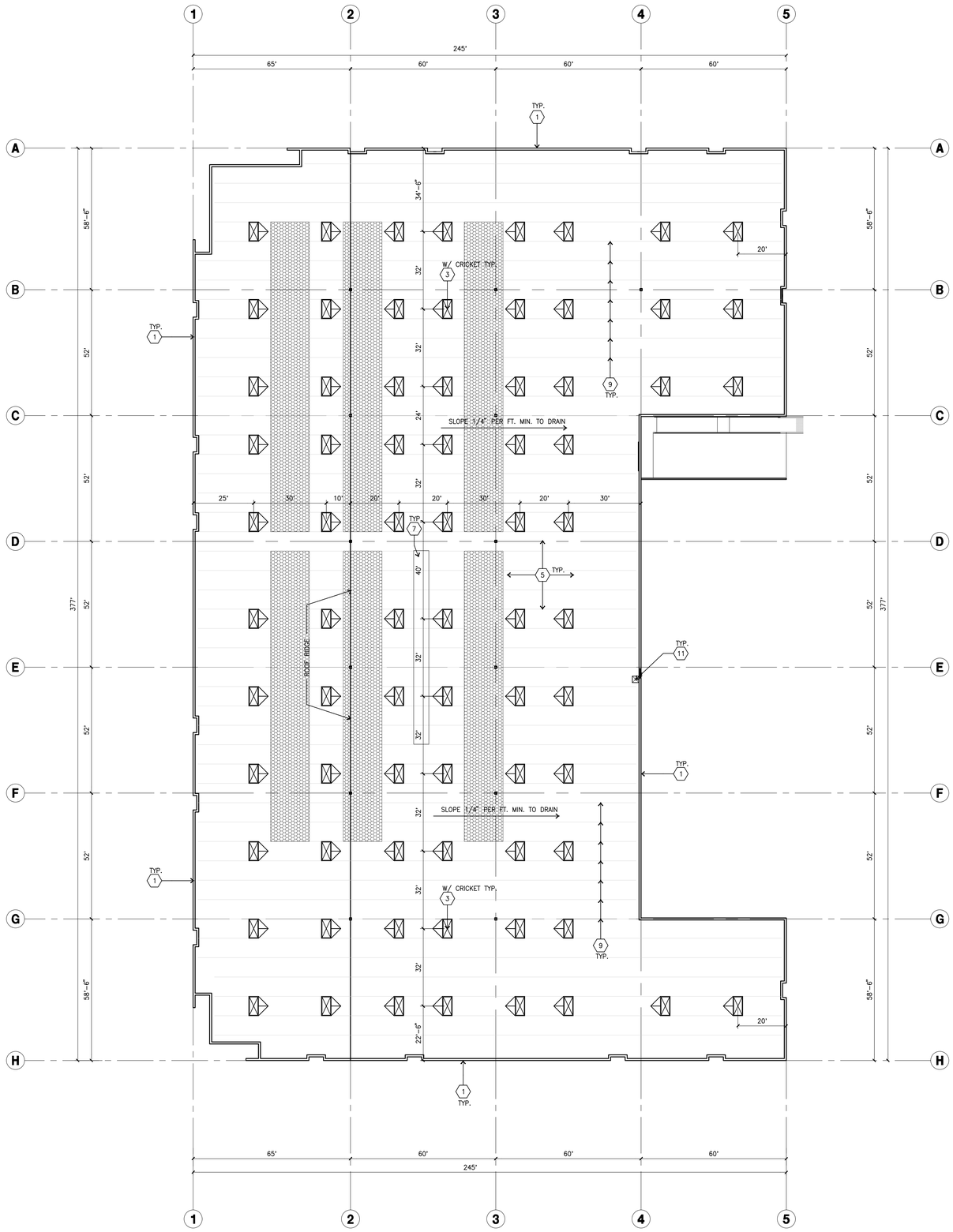
Title: Overall Floor Plan

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

Sheet:

2-DAB-A2.1

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OVERALL ROOF PLAN

scale: 1"=20'-0"

A

SCALE: 1" = 20'-0"

0 20' 40' 60'

TRUE NORTH

ROOF PLAN KEYNOTES

1. CONCRETE PARAPET.
2. NOT USED
3. 4'X8' CURB MOUNTED SKYLIGHT.
4. NOT USED
5. **PROVIDE 4-PLY BUILT-UP ROOFING OVER ROOF SHEATHING OVER ROOF FRAMING. U.N.O.. ROOFING TO BE NO-24 CAP ROOFING BY JOHNS-MANVILLE OR EQUAL (CLASS A RATED). 10 YEAR NO DOLLAR LIMIT WARRANTY AND 2 YEAR LABOR GUARANTEE**
6. ROOF HATCH LOCATION.
7. ROOF ADDRESS PAINTED BLACK WITH 4' HIGH AND 1' WIDE STROKE PER LETTER.
8. PARAPET RETURN.
9. STRUCTURAL JOIST.
10. EXTERIOR DOWNSPOUT WITH OVERFLOW SCUPPERS.
11. INTERIOR ROOF DRAIN WITH OVERFLOW SCUPPERS.
12. INTERIOR ROOF DRAIN WITH OVERFLOW DRAIN.

ROOF PLAN GENERAL NOTES

A. ALL DIMENSIONS ARE TO FACE OF CONCRETE WALL, GRIDLINE, OR FACE OF STUD. (U.N.O.)

B. VERIFY THAT ALL ROOF AREAS HAVE POSITIVE DRAINAGE(1/4" FT.) PRIOR TO ROOF INSULATION INSTALLATION.

C. REFER TO "S" DRAWINGS FOR ROOF HEIGHT ELEVATIONS IN REGARDS TO ROOF DRAINAGE.

D. CONTRACTOR TO VERIFY AND COORDINATE WITH ALL SUBCONTRACTORS, ALL LOCATIONS AND SIZES OF ROOF OPENINGS.

E. FOR TYP. ROOF PENETRATIONS, SEE DETAIL 6, 9, 10/AD.3 CONTRACTOR TO VERIFY ALL LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS

F. CONTRACTOR TO VERIFY ALL ROOF DRAIN DEPRESSIONS W/ "S" DRAWINGS.

G. CONTRACTOR TO COORDINATE EXACT SKYLIGHT LOCATION W/ FIRE SPRINKLER AND ROOF FRAMING SUBCONTRACTORS. LOCATIONS ON DRAWINGS ARE APPROXIMATE.

H. ALL SKYLIGHTS TO BE DESIGNED PER WIND SPEED DESIGN CRITERIA W/ STRONGER FRAMES, SUPPORTS AND DOMES. MANUFACTURER TO CONFIRM IN WRITING.

I. ROOF DRAINS AND OVERFLOW DRAINS TO BE A MIN. 8" DIA., SEE "P" DRAWINGS FOR EXACT SIZE.

J. PROVIDE SHAPED CRICKETS AS REQUIRED FOR PROPER ROOF DRAINAGE OF 1/4" PER FOOT (MIN.).

K. **BUILT UP ROOFING TO BE DESIGNED FOR I 90 AND TO BE A U.L. CLASS A ROOF. FLASHING: 6AF TYPE 5MB MOPPED AP SHEET, U.L. TYPE 63 BUR.**

L. ALL ROOFING FASTENERS SHALL MEET ALL CODE AND REGULATION REQUIREMENTS. PROPER REQUIREMENTS ARE IN PROJECTS JURISDICTION AND ALSO, FACTORY MUTUAL (FM) WIND UPLIFT PRESSURE REQUIREMENTS.

M. ALL SKYLIGHTS TO BE PLACED A MIN. OF 18'-0" FROM INSIDE FACE OF PARAPET

N. USE WHITE SCRIM FOIL INSULATION IN THE WAREHOUSE AREA.

O. SMOKE VENTS SHALL BE REQUIRED IF AREAS FOR "POTENTIAL OFFICES" WILL BE USED FOR HIGH PILE COMBUSTIBLE STORAGE.

P. ROOF DRAINS, OVERFLOW DRAINS AND RAINWATER PIPING WITHIN THE INTERIOR OF THE BUILDING SHALL BE TESTED IN ACCORDANCE WITH THE PROVISIONS OF THE PLUMBING CODE FOR TESTING DRAIN, WASTE AND VENT SYSTEMS

Q. ROOF DRAINS, OVERFLOW PIPING WITHIN THE BUILDING SHALL UTILIZE APPROVED DRAINAGE FITTINGS.

R. MANUFACTURED ROOF DRAINS AND OVERFLOWS(FIXTURES) SHALL BE IAPMO LISTED

ROOF LEGEND

- 4" X 8" SKYLIGHT
- ROOF HATCH
- STRUCTURAL JOISTS SEE "S" DRAWINGS.
- BUILDING PARAPET LINE
- EXTERIOR DOWNSPOUT W/ OVERFLOW SCUPPER
- INTERIOR ROOF DRAIN W/ OVERFLOW SCUPPERS
- PROPOSED 15% SOLAR ZONE AREA

SKYLIGHT/SMOKEHATCH CALCULATION

PROJECT:
CLEAR HEIGHT IN WAREHOUSE ARE = **32** FT. CLEAR FROM 6" BEYOND COLUMN "**3**" SEE A2.1 FOR LOCATIONS

REQUIRED

BUILDING FOOTPRINT	=	78,929 S.F.	
SKYLIGHTS REQUIRED	=	3.0% =	2,368 S.F. (74 E.A.)

PROVIDED

SKYLIGHTS PROVIDED	=	3.0% =	2,368 S.F. (74 E.A.)

MODEL

SKYLIGHT MODEL	MANUFACTURED BY BRISTOLITE DAYLIGHTING SYSTEM MODEL # T4896-SS-CM-1-HS1 OR EQUAL ICC-ESR-3177
BURGLAR BAR REQUIRED	

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Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

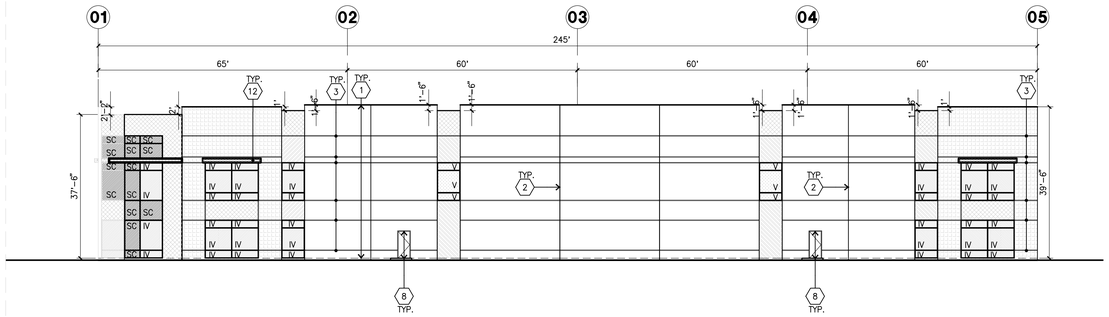
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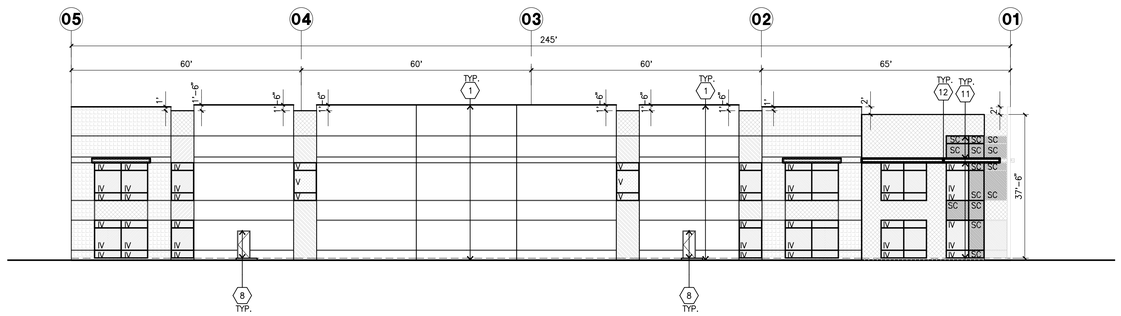
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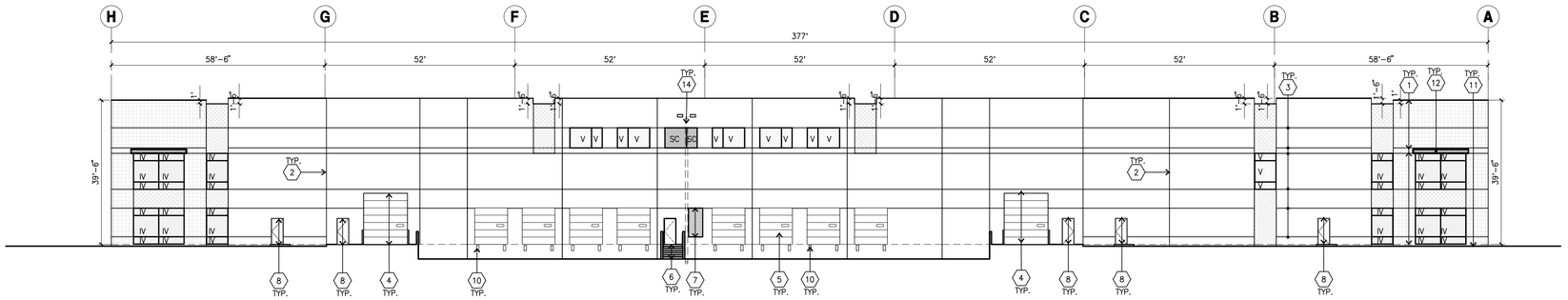
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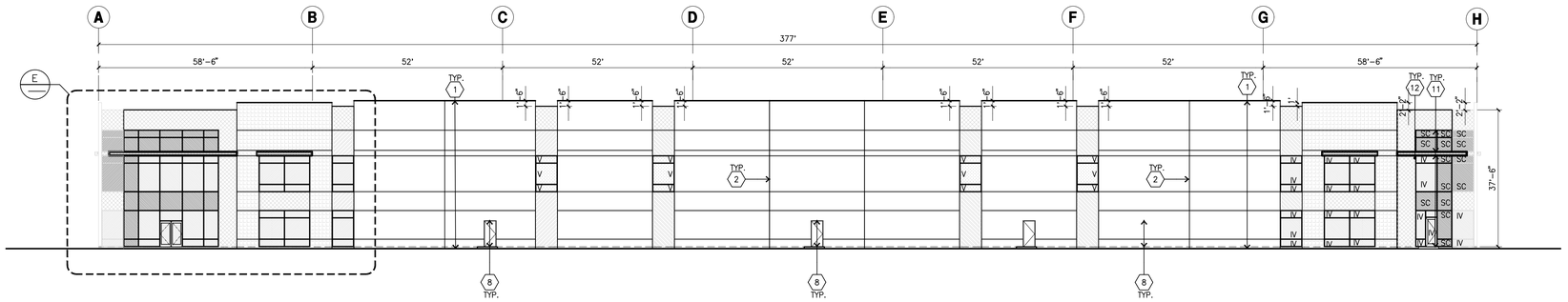
SOUTH ELEVATION (B)
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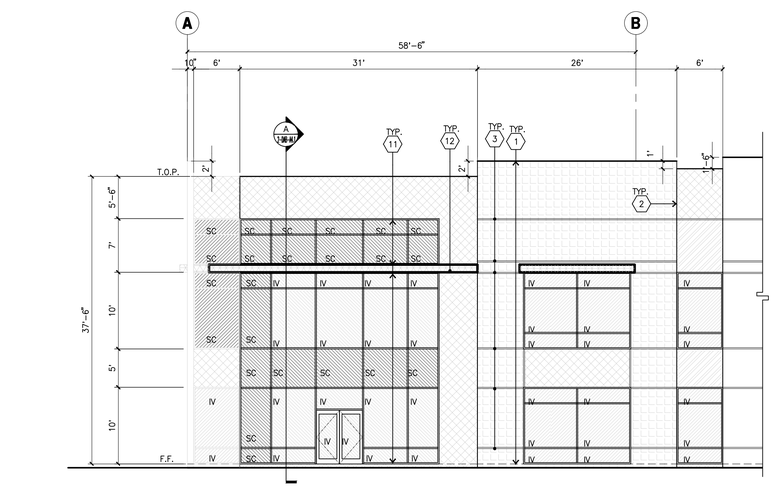
NORTH ELEVATION (A)
scale: 1/16"=1'-0"



EAST ELEVATION (C)
scale: 1/16"=1'-0"



WEST ELEVATION (D)
scale: 1/16"=1'-0"



ENLARGED WEST ELEVATION (E)
scale: 1/8"= 1'-0"

ELEVATION GENERAL NOTES

1. ALL PAINT COLOR CHANGES TO OCCUR AT INSIDE CORNERS UNLESS NOTED OTHERWISE.
2. ALL PAINT FINISHES ARE TO BE FLAT UNLESS NOTED OTHERWISE.
3. T.O.P. EL.= TOP OF PARAPET ELEVATION.
4. F.F. = FINISH FLOOR ELEVATION.
5. STOREFRONT CONSTRUCTION: GLASS, METAL ATTACHMENTS AND LINTELS SHALL BE DESIGNED TO RESIST – MPH. EXPOSURE "C" WINDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL FULLY PAINT ONE CONCRETE PANEL W/ SELECTED COLORS. ARCHITECT AND OWNER SHALL APPROVE PRIOR TO PAINTING REMAINDER OF BUILDING.
7. BACK SIDE OF PARAPETS TO HAVE SMOOTH FINISH AND BE PAINTED WITH ELASTOMERIC PAINT.
8. FOR SPANDREL GLAZING, ALLOW SPACE BEHIND SPANDREL TO BREATH. PROVIDE 1" DIAMETER HOLES AT CONCRETE WALL.
9. USE ADHESIVE BACK WOOD STRIPS FOR ALL REVEAL FORMS.
10. THE FIRST COAT OF PAINT TO BE ROLLED–ON AND THE SECOND COAT TO BE SPRAYED–ON
11. ALL ROLL–UP DOORS AND SERVICE DOORS TO BE PAINTED TO MATCH BUILDING COLOR.

ELEVATION KEYNOTES

1. CONCRETE TILT–UP PANEL.
2. PANEL JOINT.
3. PANEL REVEAL. ALL REVEALS TO HAVE A MAX. OF 3/8" CHAMFER. REVEAL COLOR TO MATCH ADJACENT BUILDING FIELD COLOR. U.N.O.
4. 12' X 14' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER–STRIPPING PROTECTION ALL AROUND.
5. 9' X 10' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER–STRIPPING PROTECTION ALL AROUND.
6. CONCRETE STAIR, LANDING AND GUARDRAIL W/ METAL PIPE HANDRAIL. PROVIDE NON SKID NOSING TO MEET ADA REQUIREMENTS. PROVIDE CONTRASTING COLORED 3" WIDE WARNING STRIPE INTEGRAL TO CONCRETE AT TOP LANDING AND BOTTOM TREAD PER ADA REQUIREMENTS.
7. 4' X 8' METAL LOUVER OPENING FOR VENTILATION. PAINT TO MATCH BUILDING COLOR.
8. HOLLOW METAL DOORS. PROVIDE COMPLETE WEATHER STRIPING ALL AROUND DOOR.
9. ROOF LINE BEYOND.
10. DOCK DOOR BUMPER TYPICAL.
11. ALUMINUM STOREFRONT FRAMING WITH TEMPERED GLAZING AT ALL DOORS, SIDELITES ADJACENT TO DOORS AND GLAZING WITH BOTTOMS LESS THAN 18" ABOVE FINISH FLOOR ELEVATION.
12. METAL CANOPY.
13. KNOCK–OUT PANEL.
14. INTERIOR ROOF DRAIN W/ 2 OVERFLOW SCUPPERS.
15. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
16. EXTERIOR LIGHTING FIXTURE.
17. APPROXIMATE LOCATION OF ADDRESS ON WALL.
18. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

ELEVATION COLOR LEGEND/SCHED.

1. PAINT. COLOR : SW 7667 ZIRCON
2. PAINT. COLOR : SW 7670 GRAY SHINGLE
3. PAINT. COLOR : SW 7674 PEPPERCORN
4. PAINT. COLOR : SW 6243 DISTANCE
5. MULLIONS COLOR : BLACK ANODIZED
6. GLAZING COLOR : BLUE REFLECTIVE
7. METAL CANOPY: SHERWIN WILLIAMS ACRYLIC LATEX SYSTEMS HIGH GLOSS/HIGH PERFORMANCE SHERWIN WILLIAMS SW 7674 PEPPERCORI

GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV INSULATED VISION GLASS

SC SPANDREL GLASS WITH CONCRETE BEHIND

V SINGLE LITE VISION GLASS

IV : INSULATED VISION GLASS
1/4" **VISTACOOL PACIFICA** + 1/4" **SOLARBAN 60** CLEAR
1" INSULATED GLASS UNIT WITH 1/2" AIRSPACE AND 1/4" LITES
U: **0.27** SHGC: **0.21** VLT: **26%**
MINIMUM VT TO BE 0.42 PER 2019 CEC TABLE 140.3–B

SC : SPANDREL WITH CONCRETE BEHIND
1/4" **VISTACOOL PACIFICA** WITH **HARMONY BLUE** OPACICOAT PAINTED ON REFLECTIVE. INSTALLED ON CONCRETE.

V : VISION GLASS
1/4" **VISTACOOL PACIFICA**

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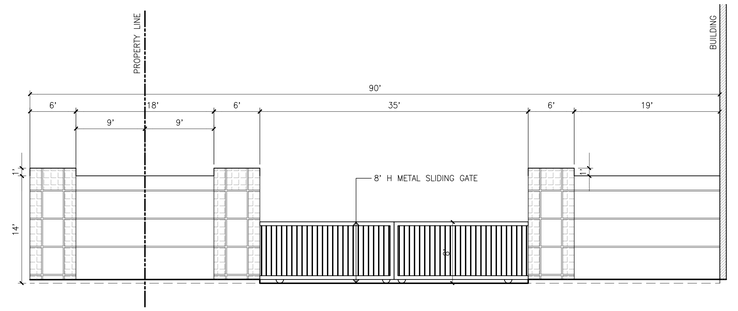
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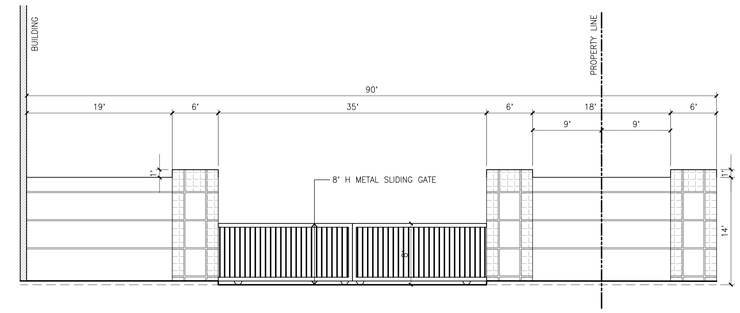
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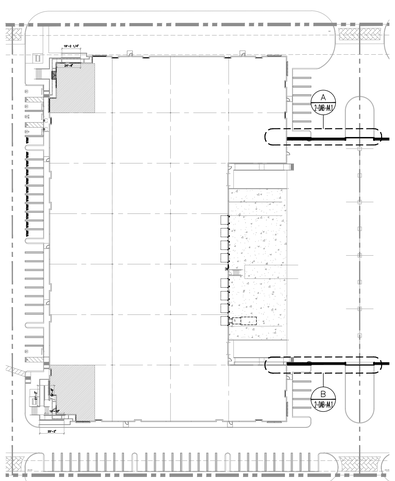


SCREENWALL ELEVATION (A)
scale: 1/8" = 1'-0"



SCREENWALL ELEVATION (B)
scale: 1/8" = 1'-0"

KEYMAP



COLOR LEGEND

SHERWIN-WILLIAMS SW 7667 ZIRCON (1)

SHERWIN-WILLIAMS SW 7670 GRAY SHINGLE (2)

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Soils Engineer:	-

Title: SCREEN WALL

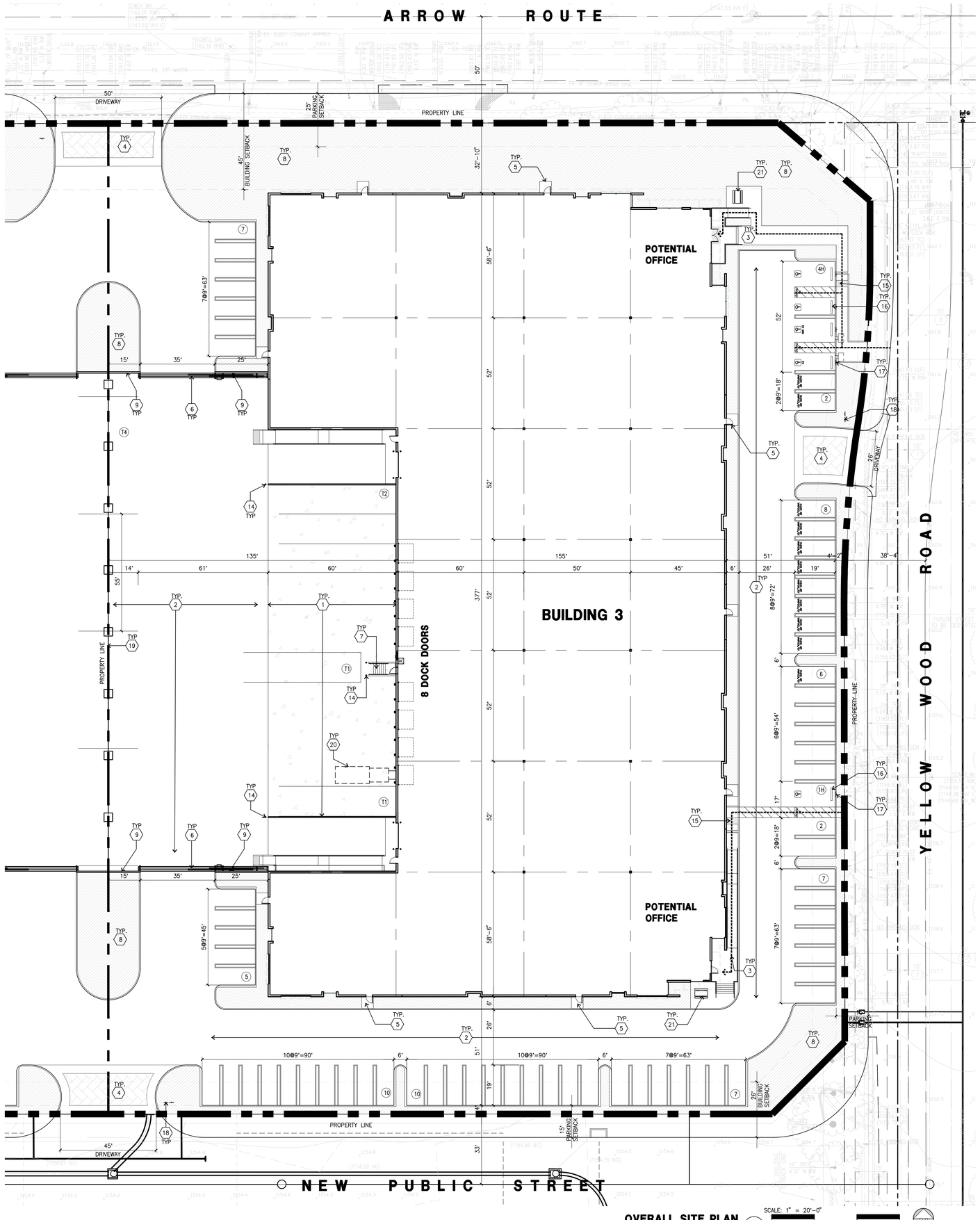
Project Number:	21549
Drawn by:	MW
Date:	02/06/2023

Revision:

Sheet:

2-DAB-A4.1

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OVERALL SITE PLAN
scale: 1"=20'-0"

SCALE: 1" = 20'-0"
0 20' 40' 60'
TRUE NORTH

SITE PLAN KEYNOTES

1. HEAVY BROOM FINISH CONC. PAVEMENT,
2. AC PAVING.
3. CONCRETE WALKWAY
4. DECORATIVE DRIVEWAY APRONS TO BE CONSTRUCTED PER "L" DRAWINGS.
5. 5'-6"X5'-6"X4" MIN. THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. SLOPE TO BE 1/4" : 12" MAX. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY W/ 1:20 MAX. AS REQ. BY CITY INSPECTOR.
6. 8' H PROVIDE METAL, MANUAL OPERATED GATES W/ KNOX-PAD LOCK PER FIRE DEPARTMENT STANDARDS PER DRIVEWAY.
7. EXTERIOR CONC. STAIR.
8. LANDSCAPE.
9. 14'H CONCRETE TILT-UP SCREEN WALL
10. 2X2 EV CONDUIT CONCRETE PAD.
11. APPROXIMATE LOCATION OF TRANSFORMER.
12. BIKE RACK.
13. TRASH ENCLOSURE
14. CONCRETE FILLED GUARD POST "6 DIA. U.N.O. 42" H.
15. TRUNCATED DOME.
16. PRE-CAST CONCRETE WHEEL STOP.
17. ACCESSIBLE PARKING STALL SIGN.
18. ACCESSIBLE ENTRY SIGN.
19. 8'H WROUGHT IRON FENCE.
20. TRASH COMPACTOR
21. BREAK AREA
22. RETAINING WALL

SITE PLAN GENERAL NOTES

1. THE SITE PLAN BASED ON THE SOILS REPORT PREPARED BY: TBD

2. IF SOILS ARE EXPANSIVE IN NATURE, USE STEEL REINFORCING FOR ALL SITE CONCRETE.

3. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE WALL, FACE OF CONCRETE CURB OR GRID LINE U.N.O.

4. SEE "C" PLANS FOR ALL CONCRETE CURBS, GUTTERS AND SWALES.

5. THE ENTIRE PROJECT SHALL BE PERMANENTLY MAINTAINED WITH AN AUTOMATIC IRRIGATION SYSTEM.

6. SEE "C" DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS.

7. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. SEE "C" DRAWINGS.

8. CONTRACTOR TO REFER TO "C" DRAWINGS FOR ALL HORIZONTAL CONTROL DIMENSIONS. SITE PLANS ARE FOR GUIDANCE AND STARTING LAYOUT POINTS.

9. SEE "C"DRAWINGS FOR FINISH GRADE ELEVATIONS.

10. CONCRETE SIDEWALKS TO BE A MINIMUM OF 4" THICK W/ TOOLED JOINTS AT 6' O.C. EXPANSION/CONSTRUCTION JOINTS SHALL BE A MAXIMUM 12' EA. WAY. EXPANSION JOINTS TO HAVE COMPRESSIVE EXPANSION FILLER MATERIAL OF 1/4". FINISH TO BE A MEDIUM BROOM FINISH U.N.O.

11. PAINT CURBS AND PROVIDE SIGNS TO INFORM OF FIRE LANES AS REQUIRED BY FIRE DEPARTMENT.

12. CONSTRUCTION DOCUMENTS PERTAINING TO THE LANDSCAPE AND IRRIGATION OF THE ENTIRE PROJECT SITE SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND APPROVED BY PUBLIC FACILITIES DEVELOPMENT PRIOR TO ISSUANCE OF BUILDING PERMITS.

13. PRIOR TO FINAL CITY INSPECTION, THE LANDSCAPE ARCHITECT SHALL SUBMIT A CERTIFICATE OF COMPLETION TO PUBLIC FACILITIES DEVELOPMENT.

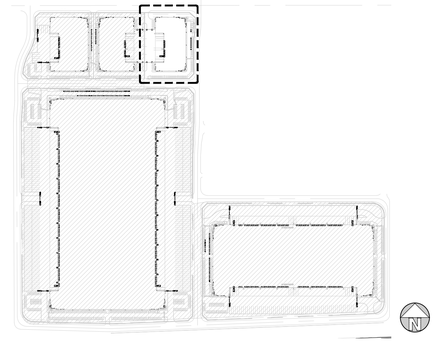
14. ALL LANDSCAPE AND IRRIGATION DESIGNS SHALL MEET CURRENT CITY STANDARDS AS LISTED IN GUIDELINES OR AS OBTAINED FROM PUBLIC FACILITIES DEVELOPMENT.

15. LANDSCAPED AREAS SHALL BE DELINEATED WITH A MINIMUM SIX INCHES (6") HIGH CURB.

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19') VANPOOL (12' X 19')
- PATH OF TRAVEL
- 12" WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

KEY MAP



HPA architecture

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18831 bardeen avenue, - ste. #100
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92612
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fax: 949•863•0851
email: hpa@hparchs.com

Owner:

BTC III ARROW ROUTE CC LP

4675 MacArthur Court, Suite 625
Newport Beach, CA 92660

tel: (949) 892-4900

Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

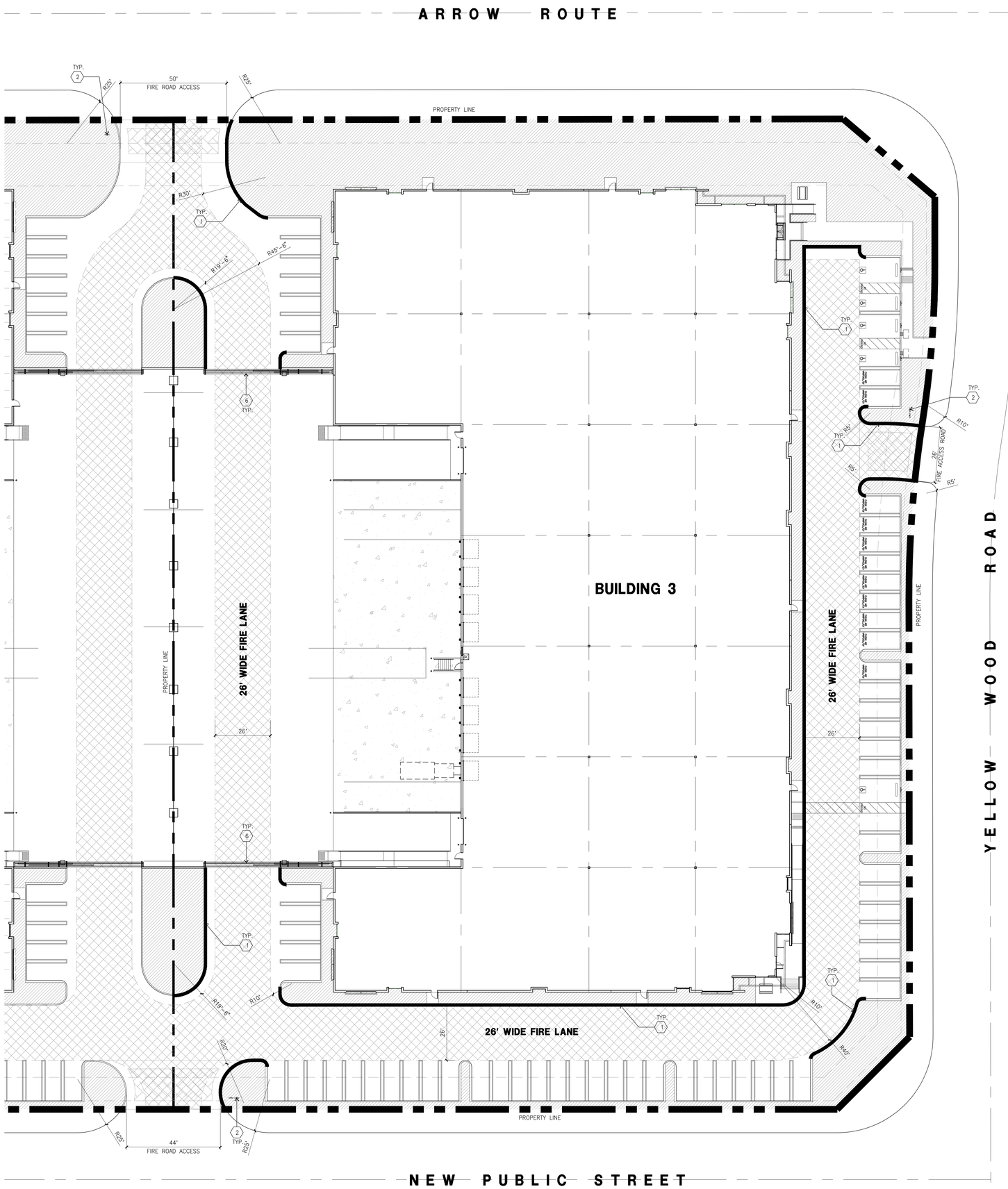
Title: Overall Site Plan

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

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FIRE ACCESS PLAN (A) scale: 1"=20'-0"

SCALE: 1" = 20'-0"
0 20' 40' 60'
TRUE NORTH

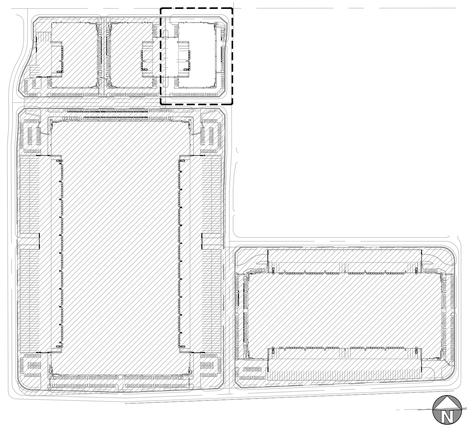
FIRE KEYNOTES

1. FIRE LANE IDENTIFICATION – RED CURB.
2. FIRE LANE ENTRANCE SIGN.
3. FIRE LANE NO PARKING SIGN.
4. FIRE DEPARTMENT CONNECTION (FDC) LOCATION
5. FIRE HYDRANT – APPROXIMATE LOCATION
6. MANUAL SLIDING GATE WITH KNOX PADLOCK

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
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- 12" WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

KEY MAP



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RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title:	Fire Access Plan
Project Number:	21549
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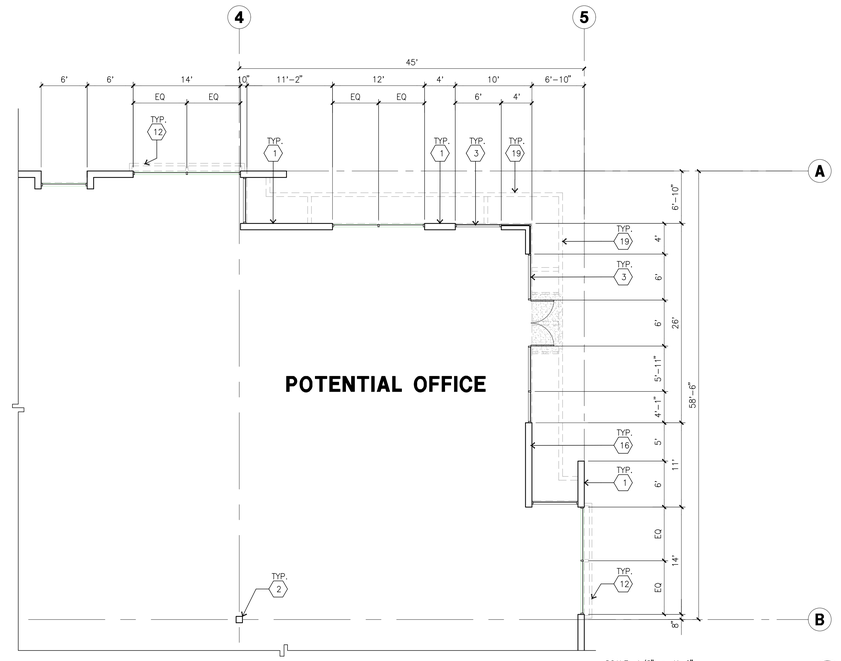
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OVERALL FLOOR PLAN A
scale: 1" = 20'-0"

SCALE: 1" = 20'-0"
0 20' 40' 60'
TRUE NORTH



ENLARGED FLOOR PLAN B
scale: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
0 8' 16' 24'
TRUE NORTH

FLOOR PLAN KEYNOTES

1. CONCRETE TILT-UP PANEL.
2. STRUCTURAL STEEL COLUMN.
3. TYPICAL STOREFRONT SYSTEM WITH GLAZING. SEE OFFICE BLOW-UP AND ELEVATIONS FOR SIZE, COLOR AND LOCATIONS.
4. CONCRETE RAMP W/ 42"HIGH CONC TILT-UP GUARD WALL OR BUILDING WALL ON BOTH SIDE OF RAMP.
5. 5'-6"X5'-6"X4" THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY AS REQ. BY CITY INSPECTOR.
6. EXTERIOR CONCRETE STAIR WITH GUARDRAIL AND HANDRAIL.
7. 9' X 10' TRUCK DOOR, SECTIONAL O.H., STANDARD GRADE.
8. LOUVERED OPENING FOR VENTILATION.
9. DOCK DOOR BUMPER TYPICAL.
10. 12' X 14' DRIVE THRU. SECTIONAL O.H., STANDARD GRADE.
11. 3' X 7' HOLLOW METAL EXTERIOR MAN DOOR.
12. SOFFIT LINE ABOVE
13. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
14. NOT USED.
15. Z GUARD.
16. RECESSED KNOX BOX 5' HIGH FROM FINISH SURFACE. PER FIRE DEPARTMENT STANDARD.
17. ROOF ACCESS LADDER.
18. INTERIOR LONG-TERM BIKE RACK. BIKE RACK TO BE PERMANENTLY ANCHORED.
19. TUBE STEEL CANOPY.
20. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.
21. INTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

FLOOR SLAB & POUR STRIPS REQ.

THESE NOTES ARE VERY MIN. REQUIREMENT. SEE "S" DWGS FOR ADDITIONAL REQUIREMENTS

1. FLOOR COMPACTION - 95%
2. TRENCH COMPACTION - 90%
3. BUILDING FLOOR SLAB: SEE STRUCTURAL DRAWINGS.
4. CONTRACTOR TO BUILD FOR CLASS V FLOOR PER A.C.I. 302-1R-96
5. CONCRETE SLAB TO HAVE STEEL FLOAT HARD TROWEL BURNISHED FINISH.
6. CONTRACTOR TO CURE SLAB TO BE WET CURING USING BURLINE FOR 7 DAYS MIN.
7. ALL EQUIPMENT & MOVING VEHICLES SHALL BE DIAPERED.
8. NO CRANES, CONCRETE TRUCKS, OR ANYTHING HEAVIER WILL BE PLACED ON THE SLAB.
9. SLAB TO BE FF50 FL35 MEASURED WITHIN 24 HOURS.
10. NO FLY ASH IN THE CONCRETE
11. WHERE [▨] INDICATED, PROVIDE VAPOR BARRIER (15MIL STEGO OR EQUAL) UNDER THE CONCRETE SLAB. PROVIDE SAND PER SOILS ENGINEER OR MANUFACTURER'S RECOMMENDATION.

CONCRETE SLAB IN FUTURE OFFICE AREAS, WHERE SAND OVER VIQUEEN ARE REQUIRED, SHALL BE NATURALLY HYDRATED WITHOUT USE OF BURLENE, CURING COMPOUND, OR RELEASE AGENTS.
CONTROL/CONSTRUCTION JOINTS SHALL NOT BE FILLED WITH MM-80 JOINT FILLER IN FUTURE OFFICE AREAS.
12. SEAL CONCRETE SLAB W/ "LIPIDOLITH" SEALER
13. 10' POUR STRIP AT TRUCK DOOR. 4FT. MAX. ELSEWHERE.
14. ALL FLOOR SLAB NAIL OR BRACE FRAME HOLES FILLED WITH APPROVED 2 PART EPOXY COMPOUND TO MATCH CONCRETE COLOR. PEGA BOND LV 2000,BURKE EPOXY INJECTION RESIN OR EQUAL.
15. PROVIDE FIRE EXTINGUISHERS PER FIRE DEPARTMENT REQUIREMENT.
16. MM-80 AT SPEED BAY ONLY

NOTE:
ALL FIRE RISER AND UNPROTECTED ROOF DRAIN TO RECEIVE TO PROTECTIVE BOLLARDS.

FLOOR PLAN GENERAL NOTES

1. THIS BUILDING IS DESIGNED FOR HIGH PILE STORAGE WITH FIRE ACCESS MAN DOORS AT APPROXIMATELY 125' O.C. A SEPARATE PERMIT WILL BE REQUIRED FOR ANY RACKING/CONVEYER SYSTEMS.
2. FIRE HOSE LOCATIONS SHALL BE APPROVED PER FIRE DEPARTMENT.
3. SEE "C" DRAWINGS FOR FINISH SURFACE ELEVATIONS.
4. WAREHOUSE INTERIOR CONCRETE WALLS ARE PAINTED WHITE. COLUMNS ARE TO RECEIVE PRIMER ONLY. ALL GYP. BD. WALLS IN WAREHOUSE TO RECEIVE 1 COAT OF WHITE TO COVER.
5. SLOPE POUR STRIP 1/2" TO EXTERIOR AT ALL MANDOOR EXITS. SEE "S" DRAWINGS FOR POUR STRIP LOCATION.
6. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE PANEL WALL, GRID LINE, OR FACE OF STUD U.N.O.
7. SEE CIVIL DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR TO VERIFY ACTUAL UTILITY LOCATIONS. PLUMBING/ELECTRICAL COORDINATION.
8. SEE BELOW FOR DOOR TYPES AND SIZES.
NOTE: ALL DOORS PER DOOR SCHEDULE ARE FINISH OPENINGS.
9. CONTRACTOR TO PROTECT AND KEEP THE FLOOR SLAB CLEAN. ALL EQUIPMENT TO BE DIAPERED INCLUDING CARS AND TRUCKS.
10. ALL EXIT MAN DOORS IN WAREHOUSE TO HAVE ILLUMINATED EXIT SIGN HARDWARE.
11. HIGHLY FLAMMABLE AND COMBUSTIBLE MATERIAL SHALL NOT BE USED OR STORED IN THIS BUILDING.
12. EACH EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT". THE MOUNTING HEIGHT FOR SUCH SIGNAGE SHALL BE 60" FROM FINISH FLOOR LEVEL TO THE CENTER OF THE SIGN.
13. NON-ACCESSIBLE DOOR. PROVIDE WARNING SIGN LOCATED IN THE INTERIOR SIDE PER CBC 11B-703.5
14. ALL ROOF MOUNTED MATERIALS SHALL BE FULLY SCREENED FROM PUBLIC VIEW, SEE A/A4.1 OFFICE SECTION.
15. PROVIDE FIRE RATED PANEL JOINTS AND CAULKING AT ALL OPENINGS ON 3HR FIRE RATED WALL. SEE A DRAWING FOR LOCATIONS.
16. PROVIDE FIRE EXTINGUISHERS PER FIRE MARSHALL

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tel: (949) 892-4900

Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title: Overall Floor Plan

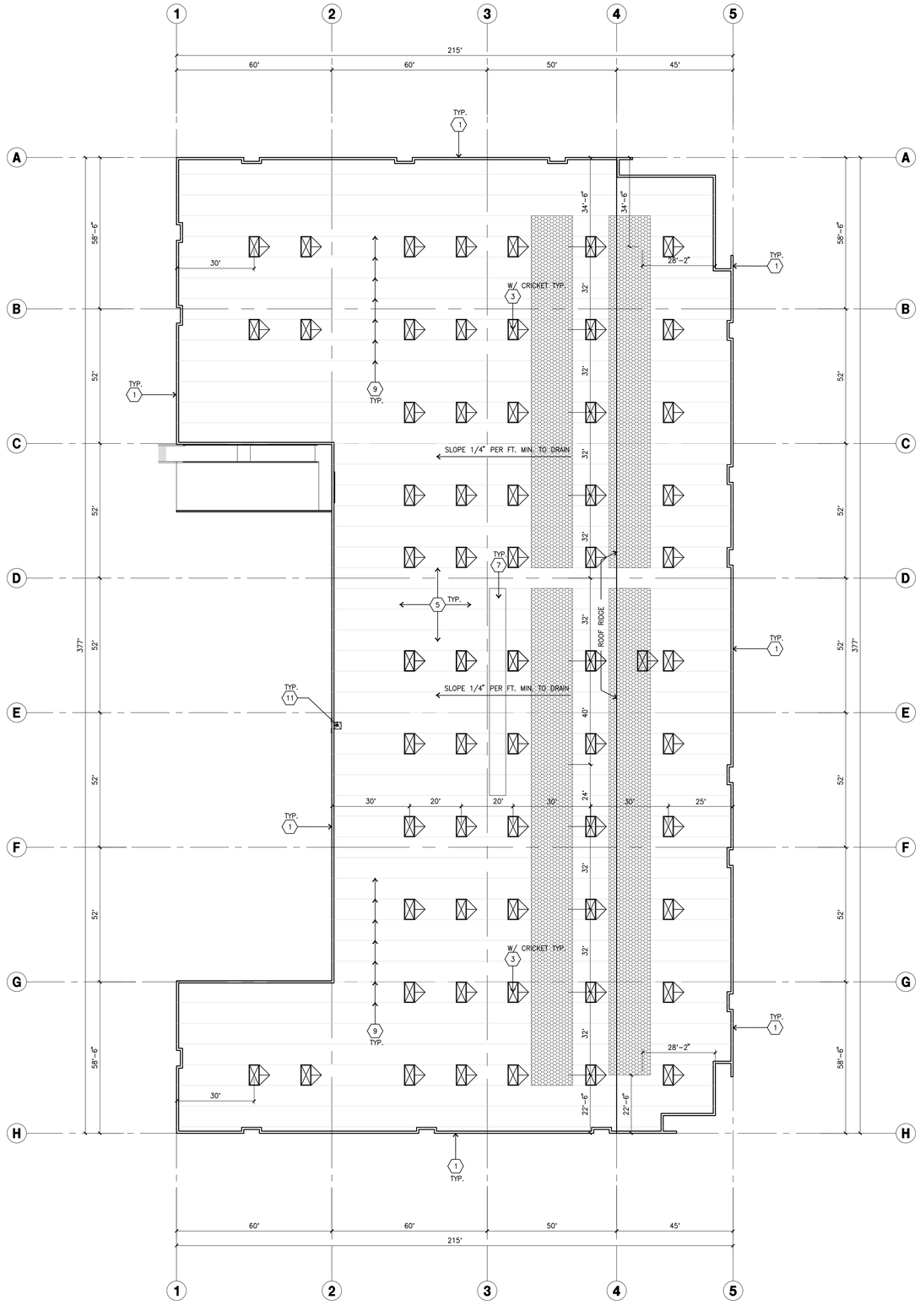
Project Number:	21549
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OVERALL ROOF PLAN scale: 1"=20'-0" (A)

SCALE: 1" = 20'-0"

0 20' 40' 60'

TRUE NORTH

ROOF PLAN KEYNOTES

1. CONCRETE PARAPET.
2. NOT USED
3. 4'X8' CURB MOUNTED SKYLIGHT.
4. NOT USED
5. **PROVIDE 4-PLY BUILT-UP ROOFING OVER ROOF SHEATHING OVER ROOF FRAMING. U.N.O.. ROOFING TO BE ND-24 CAP ROOFING BY JOHNS-MANVILLE OR EQUAL (CLASS A RATED). 10 YEAR NO DOLLAR LIMIT WARRANTY AND 2 YEAR LABOR GUARANTEE**
6. ROOF HATCH LOCATION.
7. ROOF ADDRESS PAINTED BLACK WITH 4' HIGH AND 1' WIDE STROKE PER LETTER.
8. PARAPET RETURN.
9. STRUCTURAL JOIST.
10. EXTERIOR DOWNSPOUT WITH OVERFLOW SCUPPERS.
11. INTERIOR ROOF DRAIN WITH OVERFLOW SCUPPERS.
12. INTERIOR ROOF DRAIN WITH OVERFLOW DRAIN.

ROOF PLAN GENERAL NOTES

A. ALL DIMENSIONS ARE TO FACE OF CONCRETE WALL, GRIDLINE, OR FACE OF STUD. (U.N.O.)

B. VERIFY THAT ALL ROOF AREAS HAVE POSITIVE DRAINAGE(1/4" FT.) PRIOR TO ROOF INSULATION INSTALLATION.

C. REFER TO "S" DRAWINGS FOR ROOF HEIGHT ELEVATIONS IN REGARDS TO ROOF DRAINAGE.

D. CONTRACTOR TO VERIFY AND COORDINATE WITH ALL SUBCONTRACTORS, ALL LOCATIONS AND SIZES OF ROOF OPENINGS.

E. FOR TYP. ROOF PENETRATIONS, SEE DETAIL 6, 9, 10/AD.3 CONTRACTOR TO VERIFY ALL LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS

F. CONTRACTOR TO VERIFY ALL ROOF DRAIN DEPRESSIONS W/ "S" DRAWINGS.

G. CONTRACTOR TO COORDINATE EXACT SKYLIGHT LOCATION W/ FIRE SPRINKLER AND ROOF FRAMING SUBCONTRACTORS. LOCATIONS ON DRAWINGS ARE APPROXIMATE.

H. ALL SKYLIGHTS TO BE DESIGNED PER WIND SPEED DESIGN CRITERIA W/ STRONGER FRAMES, SUPPORTS AND DOMES. MANUFACTURER TO CONFIRM IN WRITING.

I. ROOF DRAINS AND OVERFLOW DRAINS TO BE A MIN. 8" DIA., SEE "P" DRAWINGS FOR EXACT SIZE.

J. PROVIDE SHAPED CRICKETS AS REQUIRED FOR PROPER ROOF DRAINAGE OF 1/4" PER FOOT (MIN.).

K. **BUILT UP ROOFING TO BE DESIGNED FOR I 90 AND TO BE A U.L. CLASS A ROOF. FLASHING: 6AF TYPE 5MB MOPPED AP SHEET, U.L. TYPE 63 BUR.**

L. ALL ROOFING FASTENERS SHALL MEET ALL CODE AND REGULATION REQUIREMENTS. PROPER REQUIREMENTS ARE IN PROJECTS JURISDICTION AND ALSO, FACTORY MUTUAL (FM) WIND UPLIFT PRESSURE REQUIREMENTS.

M. ALL SKYLIGHTS TO BE PLACED A MIN. OF 18'-0" FROM INSIDE FACE OF PARAPET

N. USE WHITE SCRIM FOIL INSULATION IN THE WAREHOUSE AREA.

O. SMOKE VENTS SHALL BE REQUIRED IF AREAS FOR "POTENTIAL OFFICES" WILL BE USED FOR HIGH PILE COMBUSTIBLE STORAGE.

P. ROOF DRAINS, OVERFLOW DRAINS AND RAINWATER PIPING WITHIN THE INTERIOR OF THE BUILDING SHALL BE TESTED IN ACCORDANCE WITH THE PROVISIONS OF THE PLUMBING CODE FOR TESTING DRAIN, WASTE AND VENT SYSTEMS

Q. ROOF DRAINS, OVERFLOW PIPING WITHIN THE BUILDING SHALL UTILIZE APPROVED DRAINAGE FITTINGS.

R. MANUFACTURED ROOF DRAINS AND OVERFLOWS(FIXTURES) SHALL BE IAPMO LISTED

ROOF LEGEND

- 4" X 8" SKYLIGHT
- ROOF HATCH
- STRUCTURAL JOISTS SEE "S" DRAWINGS.
- BUILDING PARAPET LINE
- EXTERIOR DOWNSPOUT W/ OVERFLOW SCUPPER
- INTERIOR ROOF DRAIN W/ OVERFLOW SCUPPERS
- PROPOSED 15% SOLAR ZONE AREA

SKYLIGHT/SMOKEHATCH CALCULATION

PROJECT:
CLEAR HEIGHT IN WAREHOUSE ARE = **32** FT. CLEAR FROM 6" BEYOND COLUMN **"5"** SEE A2.1 FOR LOCATIONS

REQUIRED

BUILDING FOOTPRINT	=	67,637 S.F.	
SKYLIGHTS REQUIRED	=	3.0% =	2,048 S.F. (64 E.A.)

PROVIDED

SKYLIGHTS PROVIDED	=	3.1% =	2,112 S.F. (66 E.A.)

MODEL

SKYLIGHT MODEL	MANUFACTURED BY BRISTOLITE DAYLIGHTING SYSTEM MODEL # T4896-SS-CM-1-HS1 OR EQUAL ICC-ESR-3177
BURGLAR BAR REQUIRED	

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Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

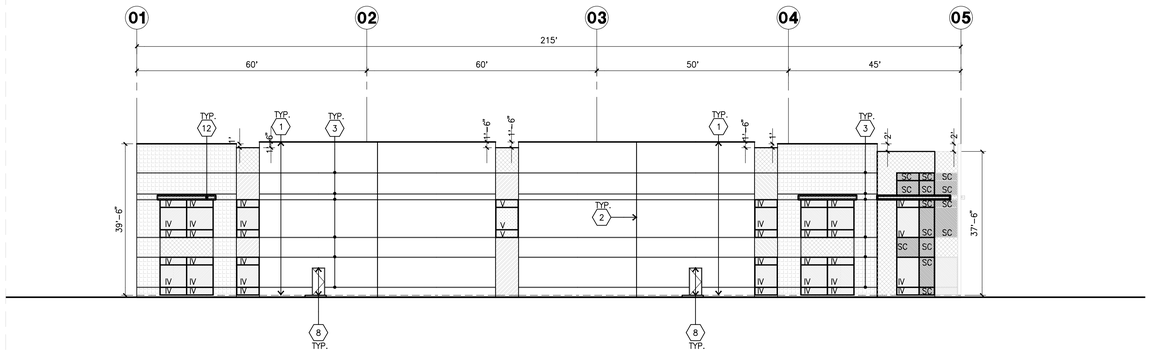
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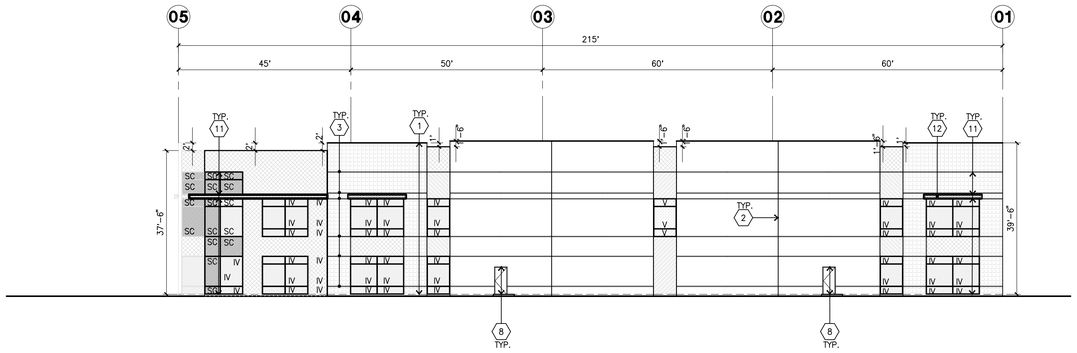
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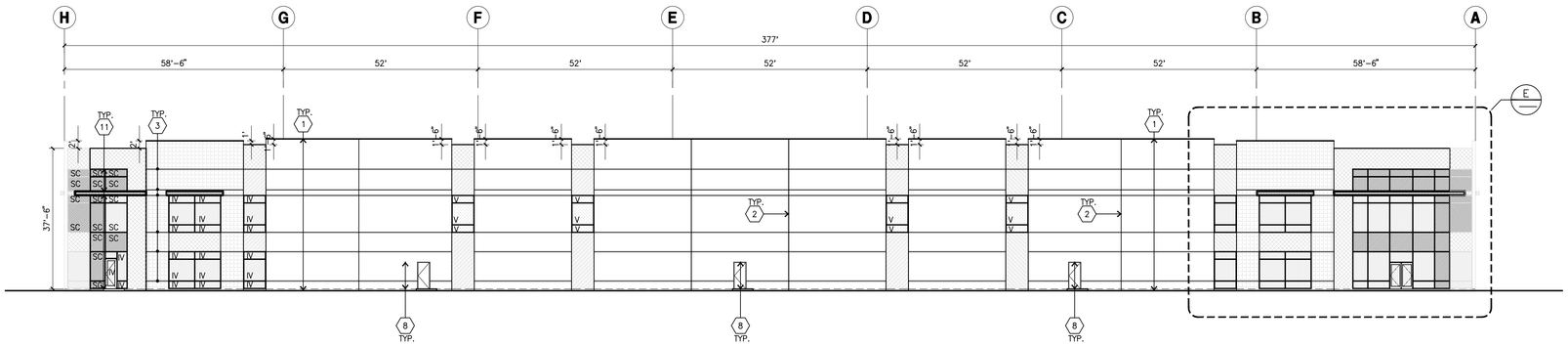
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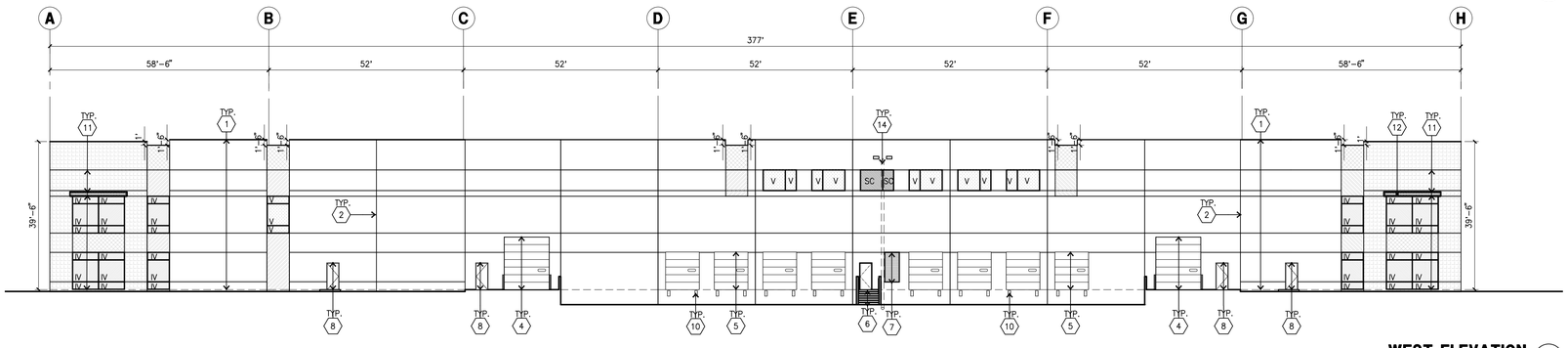
SOUTH ELEVATION B
scale: 1/16"=1'-0"



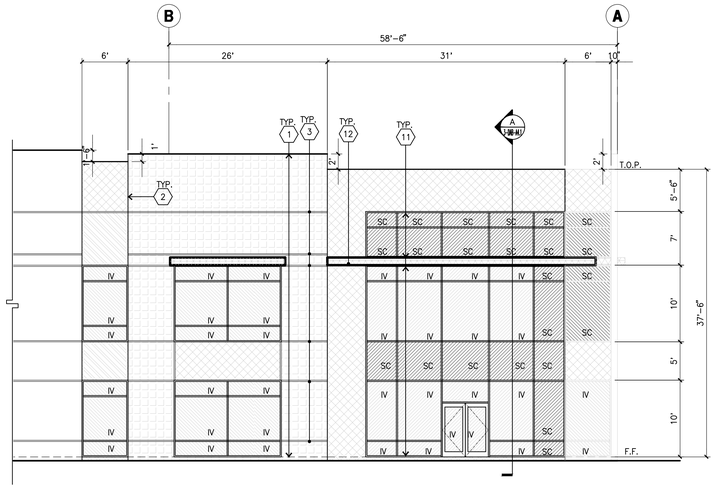
NORTH ELEVATION A
scale: 1/16"=1'-0"



EAST ELEVATION C
scale: 1/16"=1'-0"



WEST ELEVATION D
scale: 1/16"=1'-0"



ENLARGED EAST ELEVATION E
scale: 1/8"= 1'-0"

ELEVATION KEYNOTES

1. CONCRETE TILT-UP PANEL.
2. PANEL JOINT.
3. PANEL REVEAL. ALL REVEALS TO HAVE A MAX. OF 3/8" CHAMFER. REVEAL COLOR TO MATCH ADJACENT BUILDING FIELD COLOR. U.N.O.
4. 12' X 14' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND.
5. 9' X 10' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND.
6. CONCRETE STAIR, LANDING AND GUARDRAIL W/ METAL PIPE HANDRAIL. PROVIDE NON SKID NOSING TO MEET ADA REQUIREMENTS. PROVIDE CONTRASTING COLORED 3" WIDE WARNING STRIPE INTEGRAL TO CONCRETE AT TOP LANDING AND BOTTOM TREAD PER ADA REQUIREMENTS.
7. 4' X 8' METAL LOUVER OPENING FOR VENTILATION. PAINT TO MATCH BUILDING COLOR.
8. HOLLOW METAL DOORS. PROVIDE COMPLETE WEATHER STRIPING ALL AROUND DOOR.
9. ROOF LINE BEYOND.
10. DOCK DOOR BUMPER TYPICAL.
11. ALUMINUM STOREFRONT FRAMING WITH TEMPERED GLAZING AT ALL DOORS, SIDELITES ADJACENT TO DOORS AND GLAZING WITH BOTTOMS LESS THAN 18" ABOVE FINISH FLOOR ELEVATION.
12. METAL CANOPY.
13. KNOCK-OUT PANEL.
14. INTERIOR ROOF DRAIN W/ 2 OVERFLOW SCUPPERS.
15. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
16. EXTERIOR LIGHTING FIXTURE.
17. APPROXIMATE LOCATION OF ADDRESS ON WALL.
18. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

ELEVATION GENERAL NOTES

1. ALL PAINT COLOR CHANGES TO OCCUR AT INSIDE CORNERS UNLESS NOTED OTHERWISE.
2. ALL PAINT FINISHES ARE TO BE FLAT UNLESS NOTED OTHERWISE.
3. T.O.P. EL.= TOP OF PARAPET ELEVATION.
4. F.F. = FINISH FLOOR ELEVATION.
5. STOREFRONT CONSTRUCTION: GLASS, METAL ATTACHMENTS AND LINTELS SHALL BE DESIGNED TO RESIST -- MPH. EXPOSURE "C" WINDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL FULLY PAINT ONE CONCRETE PANEL W/ SELECTED COLORS. ARCHITECT AND OWNER SHALL APPROVE PRIOR TO PAINTING REMAINDER OF BUILDING.
7. BACK SIDE OF PARAPETS TO HAVE SMOOTH FINISH AND BE PAINTED WITH ELASTOMERIC PAINT.
8. FOR SPANDREL GLAZING, ALLOW SPACE BEHIND SPANDREL TO BREATH. PROVIDE 1" DIAMETER HOLES AT CONCRETE WALL.
9. USE ADHESIVE BACK WOOD STRIPS FOR ALL REVEAL FORMS.
10. THE FIRST COAT OF PAINT TO BE ROLLED-ON AND THE SECOND COAT TO BE SPRAYED-ON
11. ALL ROLL-UP DOORS AND SERVICE DOORS TO BE PAINTED TO MATCH BUILDING COLOR.

ELEVATION COLOR LEGEND/SCHED.

1. PAINT. COLOR : SW 7667 ZIRCON
2. PAINT. COLOR : SW 7670 GRAY SHINGLE
3. PAINT. COLOR : SW 7674 PEPPERCORN
4. PAINT. COLOR : SW 6243 DISTANCE
5. MULLIONS COLOR : BLACK ANODIZED
6. GLAZING COLOR : BLUE REFLECTIVE
7. METAL CANOPY: SHERWIN WILLIAMS ACRYLIC LATEX SYSTEMS HIGH GLOSS/HIGH PERFORMANCE SHERWIN WILLIAMS SW 7674 PEPPERCORN

GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV INSULATED VISION GLASS

SC SPANDREL GLASS WITH CONCRETE BEHIND

V SINGLE LITE VISION GLASS

IV : INSULATED VISION GLASS
1/4" **VISTACOOL PACIFICA** + 1/4" **SOLARBAN 60** CLEAR
1" INSULATED GLASS UNIT WITH 1/2" AIRSPACE AND 1/4" LITES
U: **0.27** SHGC: **0.21** VLT: **28%**
MINIMUM VT TO BE 0.42 PER 2019 CEC TABLE 140.3-B

SC : SPANDREL WITH CONCRETE BEHIND
1/4" **VISTACOOL PACIFICA** WITH **HARMONY BLUE** OPACICOAT PAINTED ON REFLECTIVE. INSTALLED ON CONCRETE.

V : VISION GLASS
1/4" **VISTACOOL PACIFICA**

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Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

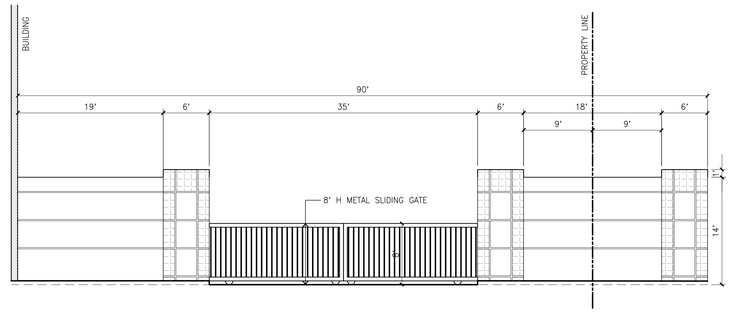
Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title:	Elevations
Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

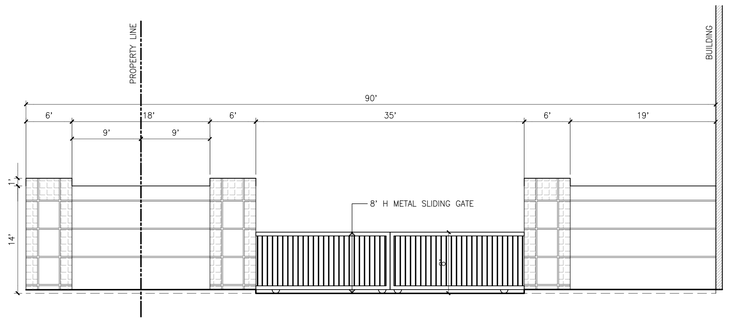
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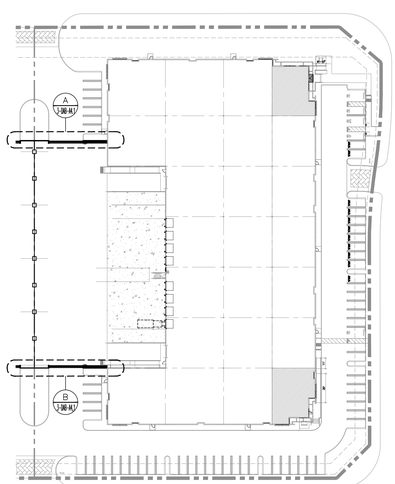


SCREENWALL ELEVATION (A)
scale: 1/8" = 1'-0"



SCREENWALL ELEVATION (B)
scale: 1/8" = 1'-0"

KEYMAP



COLOR LEGEND

SHERWIN-WILLIAMS SW 7667 ZIRCON (1)

SHERWIN-WILLIAMS SW 7670 GRAY SHINGLE (2)

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Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title: SCREEN WALL

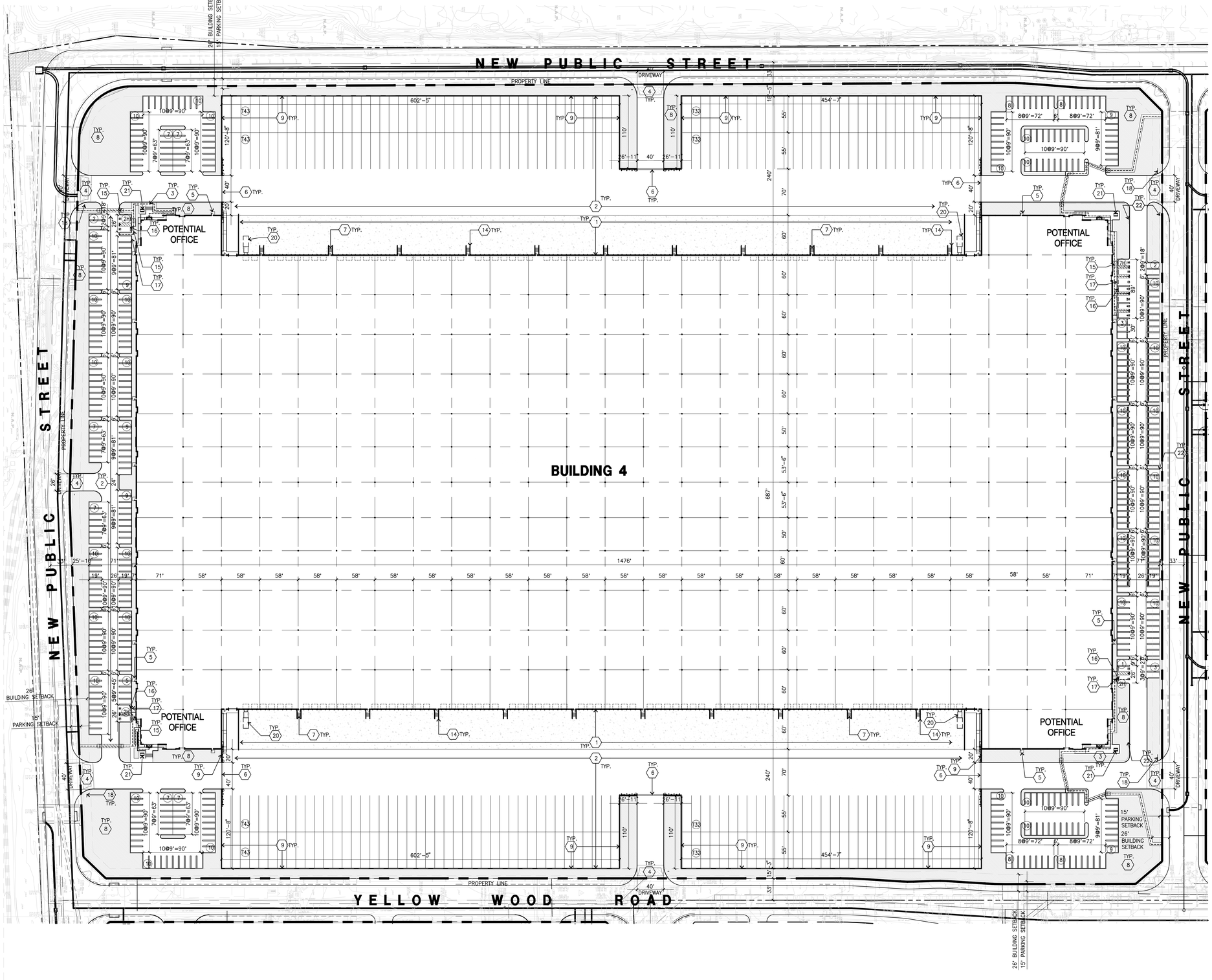
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Date:	02/06/2023

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SITE PLAN KEYNOTES

1. HEAVY BROOM FINISH CONC. PAVEMENT,
2. AC PAVING.
3. CONCRETE WALKWAY
4. DECORATIVE DRIVEWAY APRONS TO BE CONSTRUCTED PER "L" DRAWINGS.
5. 5'-6"X5'-6"X4" MIN. THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. SLOPE TO BE 1/4" : 12" MAX. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY W/ 1:20 MAX. AS REQ. BY CITY INSPECTOR.
6. 8' H PROVIDE METAL, MANUAL OPERATED GATES W/ KNOX-PAD LOCK PER FIRE DEPARTMENT STANDARDS PER DRIVEWAY.
7. EXTERIOR CONC. STAIR.
8. LANDSCAPE.
9. 14'H CONCRETE TILT-UP SCREEN WALL
10. 2X2 EV CONDUIT CONCRETE PAD.
11. APPROXIMATE LOCATION OF TRANSFORMER.
12. BIKE RACK.
13. TRASH ENCLOSURE
14. CONCRETE FILLED GUARD POST "6 DIA. U.N.O. 42" H.
15. TRUNCATED DOME.
16. PRE-CAST CONCRETE WHEEL STOP.
17. ACCESSIBLE PARKING STALL SIGN.
18. ACCESSIBLE ENTRY SIGN.
19. 8'H WROUGHT IRON FENCE.
20. TRASH COMPACTOR
21. BREAK AREA
22. RETAINING WALL

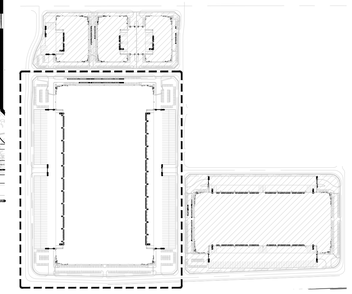
SITE PLAN GENERAL NOTES

1. THE SITE PLAN BASED ON THE SOILS REPORT PREPARED BY: TBD
2. IF SOILS ARE EXPANSIVE IN NATURE, USE STEEL REINFORCING FOR ALL SITE CONCRETE.
3. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE WALL, FACE OF CONCRETE CURB OR GRID LINE U.N.O.
4. SEE "C" PLANS FOR ALL CONCRETE CURBS, GUTTERS AND SWALES.
5. THE ENTIRE PROJECT SHALL BE PERMANENTLY MAINTAINED WITH AN AUTOMATIC IRRIGATION SYSTEM.
6. SEE "C" DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS.
7. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. SEE "C" DRAWINGS.
8. CONTRACTOR TO REFER TO "C" DRAWINGS FOR ALL HORIZONTAL CONTROL DIMENSIONS. SITE PLANS ARE FOR GUIDANCE AND STARTING LAYOUT POINTS.
9. SEE "C" DRAWINGS FOR FINISH GRADE ELEVATIONS.
10. CONCRETE SIDEWALKS TO BE A MINIMUM OF 4" THICK W/ TOOLED JOINTS AT 6' O.C. EXPANSION/CONSTRUCTION JOINTS SHALL BE A MAXIMUM 12' EA. WAY. EXPANSION JOINTS TO HAVE COMPRESSIVE EXPANSION FILLER MATERIAL OF 1/4". FINISH TO BE A MEDIUM BROOM FINISH U.N.O.
11. PAINT CURBS AND PROVIDE SIGNS TO INFORM OF FIRE LANES AS REQUIRED BY FIRE DEPARTMENT.
12. CONSTRUCTION DOCUMENTS PERTAINING TO THE LANDSCAPE AND IRRIGATION OF THE ENTIRE PROJECT SITE SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND APPROVED BY PUBLIC FACILITIES DEVELOPMENT PRIOR TO ISSUANCE OF BUILDING PERMITS.
13. PRIOR TO FINAL CITY INSPECTION, THE LANDSCAPE ARCHITECT SHALL SUBMIT A CERTIFICATE OF COMPLETION TO PUBLIC FACILITIES DEVELOPMENT.
14. ALL LANDSCAPE AND IRRIGATION DESIGNS SHALL MEET CURRENT CITY STANDARDS AS LISTED IN GUIDELINES OR AS OBTAINED FROM PUBLIC FACILITIES DEVELOPMENT.
15. LANDSCAPED AREAS SHALL BE DELINEATED WITH A MINIMUM SIX INCHES (6") HIGH CURB.

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19') VANPOOL (12' X 19')
- PATH OF TRAVEL
- 12' WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

KEY MAP



OVERALL SITE PLAN (A) scale: 1"=60'-0"

SCALE: 1" = 60'-0"

0 60' 120' 180'

TRUE NORTH

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RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

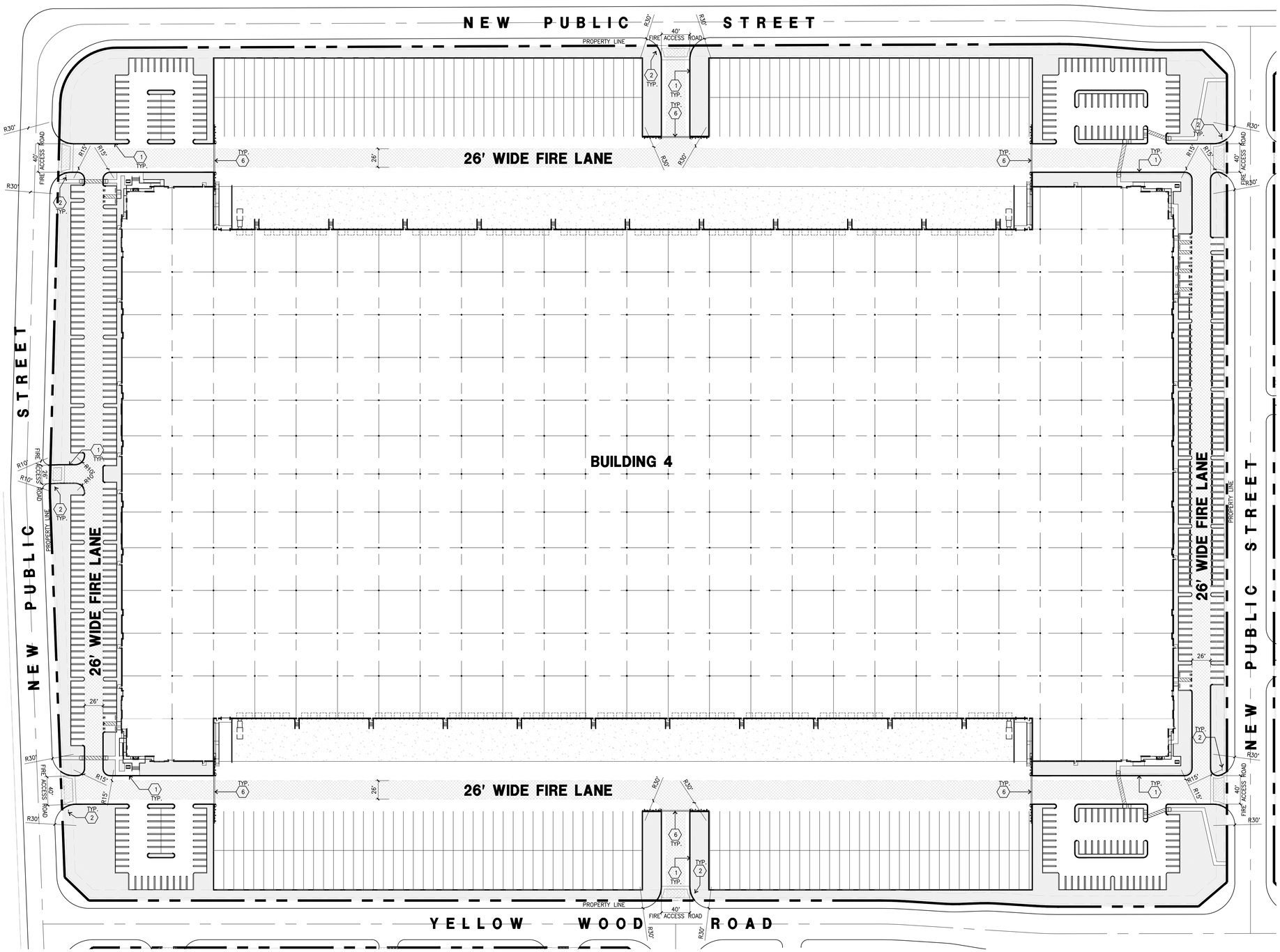
Title: Overall Site Plan

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

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FIRE ACCESS PLAN

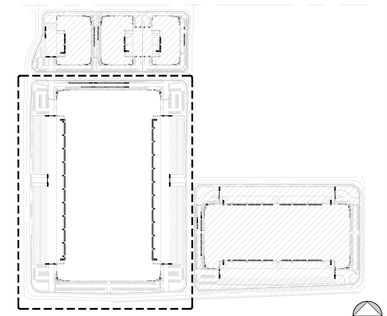
scale: 1"=60'-0"

SCALE: 1" = 60'-0"

0 60' 120' 180'

TRUE NORTH

KEY MAP



FIRE KEYNOTES

1. FIRE LANE IDENTIFICATION – RED CURB.
2. FIRE LANE ENTRANCE SIGN.
3. FIRE LANE NO PARKING SIGN.
4. FIRE DEPARTMENT CONNECTION (FDC) LOCATION
5. FIRE HYDRANT – APPROXIMATE LOCATION
6. MANUAL SLIDING GATE WITH KNOX PADLOCK

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19') VANPOOL (12' X 19')
- PATH OF TRAVEL
- 12' WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

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RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

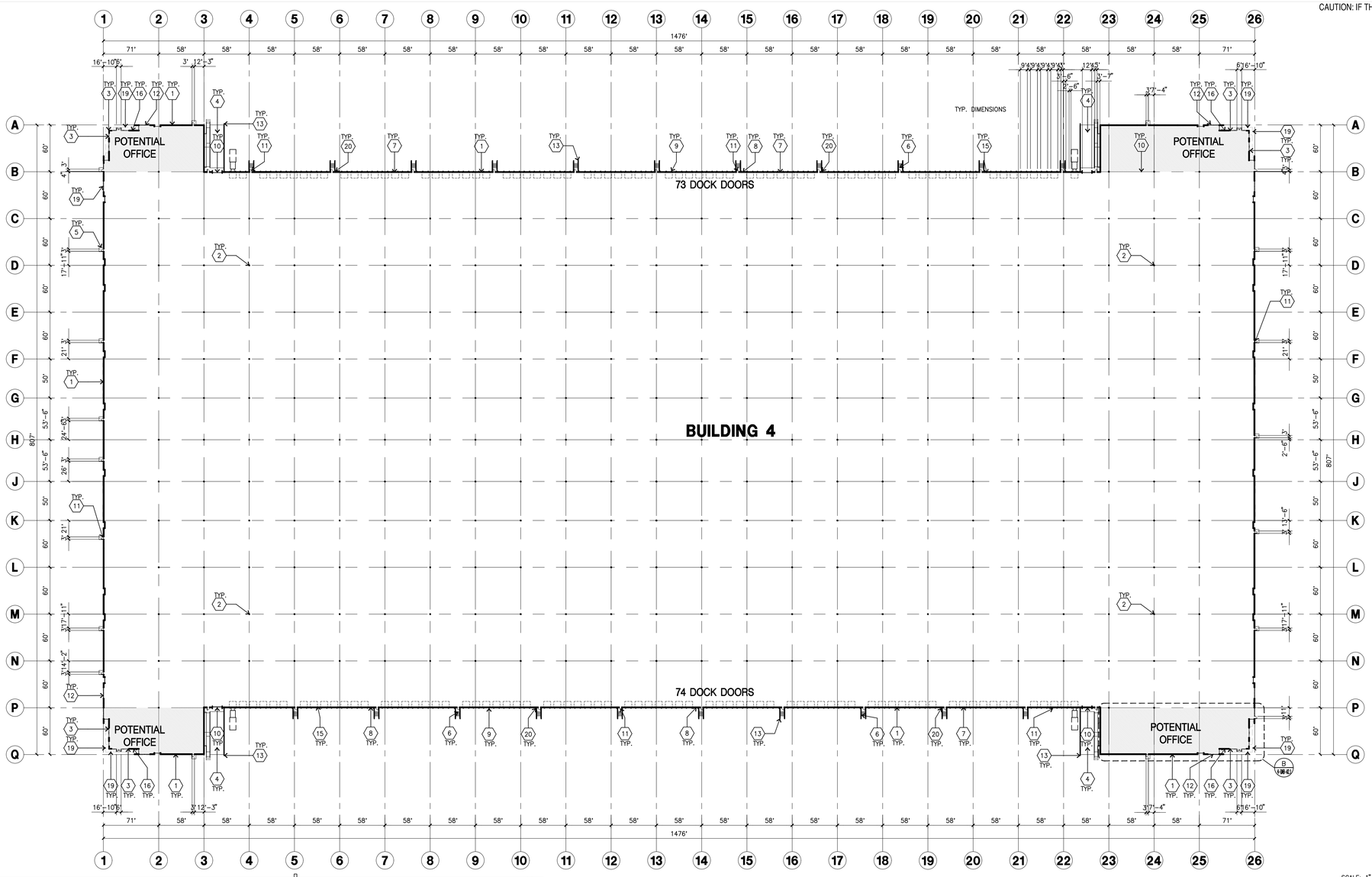
Title: Fire Access Plan

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

Sheet:

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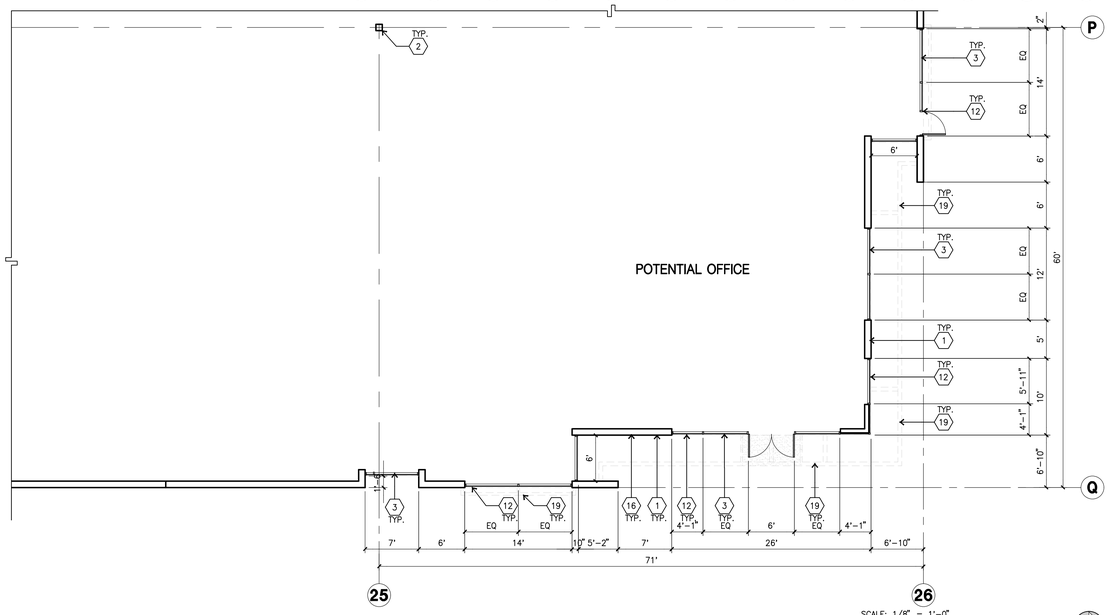


OVERALL FLOOR PLAN

scale: 1"=60'-0"

SCALE: 1" = 60'-0"

0 60' 120' 180' TRUE NORTH



ENLARGED FLOOR PLAN

scale: 1/8"=1'-0"

SCALE: 1/8" = 1'-0"

0 8' 16' 24' TRUE NORTH

FLOOR PLAN KEYNOTES

1. CONCRETE TILT-UP PANEL.
2. STRUCTURAL STEEL COLUMN.
3. TYPICAL STOREFRONT SYSTEM WITH GLAZING. SEE OFFICE BLOW-UP AND ELEVATIONS FOR SIZE, COLOR AND LOCATIONS.
4. CONCRETE RAMP W/ 42"HIGH CONC TILT-UP GUARD WALL OR BUILDING WALL ON BOTH SIDE OF RAMP.
5. 5'-6"X5'-6"X4" THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY AS REQ. BY CITY INSPECTOR.
6. EXTERIOR CONCRETE STAIR WITH GUARDRAIL AND HANDRAIL.
7. 9' X 10' TRUCK DOOR, SECTIONAL O.H., STANDARD GRADE.
8. LOUVERED OPENING FOR VENTILATION.
9. DOCK DOOR BUMPER TYPICAL.
10. 12' X 14' DRIVE THRU. SECTIONAL O.H., STANDARD GRADE.
11. 3' X 7' HOLLOW METAL EXTERIOR MAN DOOR.
12. SOFFIT LINE ABOVE
13. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
14. NOT USED.
15. Z GUARD.
16. RECESSED KNOX BOX 5' HIGH FROM FINISH SURFACE. PER FIRE DEPARTMENT STANDARD.
17. ROOF ACCESS LADDER.
18. INTERIOR LONG-TERM BIKE RACK. BIKE RACK TO BE PERMANENTLY ANCHORED.
19. TUBE STEEL CANOPY.
20. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.
21. INTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

FLOOR PLAN GENERAL NOTES

1. THIS BUILDING IS DESIGNED FOR HIGH PILE STORAGE WITH FIRE ACCESS MAN DOORS AT APPROXIMATELY 125' O.C. A SEPARATE PERMIT WILL BE REQUIRED FOR ANY RACKING/CONVEYER SYSTEMS.

2. FIRE HOSE LOCATIONS SHALL BE APPROVED PER FIRE DEPARTMENT.

3. SEE "C" DRAWINGS FOR FINISH SURFACE ELEVATIONS.

4. WAREHOUSE INTERIOR CONCRETE WALLS ARE PAINTED WHITE. COLUMNS ARE TO RECEIVE PRIMER ONLY. ALL GYP. BD. WALLS IN WAREHOUSE TO RECEIVE 1 COAT OF WHITE TO COVER.

5. SLOPE POUR STRIP 1/2" TO EXTERIOR AT ALL MANDOOR EXITS. SEE "S" DRAWINGS FOR POUR STRIP LOCATION.

6. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE PANEL WALL, GRID LINE, OR FACE OF STUD U.N.O.

7. SEE CIVIL DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR TO VERIFY ACTUAL UTILITY LOCATIONS. PLUMBING/ELECTRICAL COORDINATION.

8. SEE BELOW FOR DOOR TYPES AND SIZES.
NOTE: ALL DOORS PER DOOR SCHEDULE ARE FINISH OPENINGS.

9. CONTRACTOR TO PROTECT AND KEEP THE FLOOR SLAB CLEAN. ALL EQUIPMENT TO BE DIAPERED INCLUDING CARS AND TRUCKS.

10. ALL EXIT MAN DOORS IN WAREHOUSE TO HAVE ILLUMINATED EXIT SIGN HARDWARE.

11. HIGHLY FLAMMABLE AND COMBUSTIBLE MATERIAL SHALL NOT BE USED OR STORED IN THIS BUILDING.

12. EACH EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT". THE MOUNTING HEIGHT FOR SUCH SIGNAGE SHALL BE 60" FROM FINISH FLOOR LEVEL TO THE CENTER OF THE SIGN.

13. NON-ACCESSIBLE DOOR. PROVIDE WARNING SIGN LOCATED IN THE INTERIOR SIDE PER CBC 11B-703.5

14. ALL ROOF MOUNTED MATERIALS SHALL BE FULLY SCREENED FROM PUBLIC VIEW, SEE A/A4.1 OFFICE SECTION.

15. PROVIDE FIRE RATED PANEL JOINTS AND CAULKING AT ALL OPENINGS ON 3HR FIRE RATED WALL. SEE A DRAWING FOR LOCATIONS.

16. PROVIDE FIRE EXTINGUISHERS PER FIRE MARSHALL

FLOOR SLAB & POUR STRIPS REQ.

THESE NOTES ARE VERY MIN. REQUIREMENT. SEE "S" DWGS FOR ADDITIONAL REQUIREMENTS

1. FLOOR COMPACTION - 95%
2. TRENCH COMPACTION - 90%
3. BUILDING FLOOR SLAB: SEE STRUCTURAL DRAWINGS.
4. CONTRACTOR TO BUILD FOR CLASS V FLOOR PER A.C.I. 302-1R-96
5. CONCRETE SLAB TO HAVE STEEL FLOAT HARD TROWEL BURNISHED FINISH.
6. CONTRACTOR TO CURE SLAB TO BE WET CURING USING BURLINE FOR 7 DAYS MIN.
7. ALL EQUIPMENT & MOVING VEHICLES SHALL BE DIAPERED.
8. NO CRANES, CONCRETE TRUCKS, OR ANYTHING HEAVIER WILL BE PLACED ON THE SLAB.
9. SLAB TO BE FF50 FL35 MEASURED WITHIN 24 HOURS.
10. NO FLY ASH IN THE CONCRETE
11. WHERE INDICATED, PROVIDE VAPOR BARRIER (15MIL STEGO OR EQUAL) UNDER THE CONCRETE SLAB. PROVIDE SAND PER SOILS ENGINEER OR MANUFACTURER'S RECOMMENDATION.

CONCRETE SLAB IN FUTURE OFFICE AREAS, WHERE SAND OVER VIQUEEN ARE REQUIRED, SHALL BE NATURALLY HYDRATED WITHOUT USE OF BURLENE, CURING COMPOUND, OR RELEASE AGENTS.
CONTROL/CONSTRUCTION JOINTS SHALL NOT BE FILLED WITH MM-80 JOINT FILLER IN FUTURE OFFICE AREAS.
12. SEAL CONCRETE SLAB W/ "LIPIDOLITH" SEALER
13. 10' POUR STRIP AT TRUCK DOOR. 4FT. MAX. ELSEWHERE.
14. ALL FLOOR SLAB NAIL OR BRACE FRAME HOLES FILLED WITH APPROVED 2 PART EPOXY COMPOUND TO MATCH CONCRETE COLOR. PEGA BOND LV 2000,BURKE EPOXY INJECTION RESIN OR EQUAL.
15. PROVIDE FIRE EXTINGUISHERS PER FIRE DEPARTMENT REQUIREMENT.
16. MM-80 AT SPEED BAY ONLY

NOTE:
ALL FIRE RISER AND UNPROTECTED ROOF DRAIN TO RECEIVE TO PROTECTIVE BOLLARDS.

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Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title: Overall Floor Plan

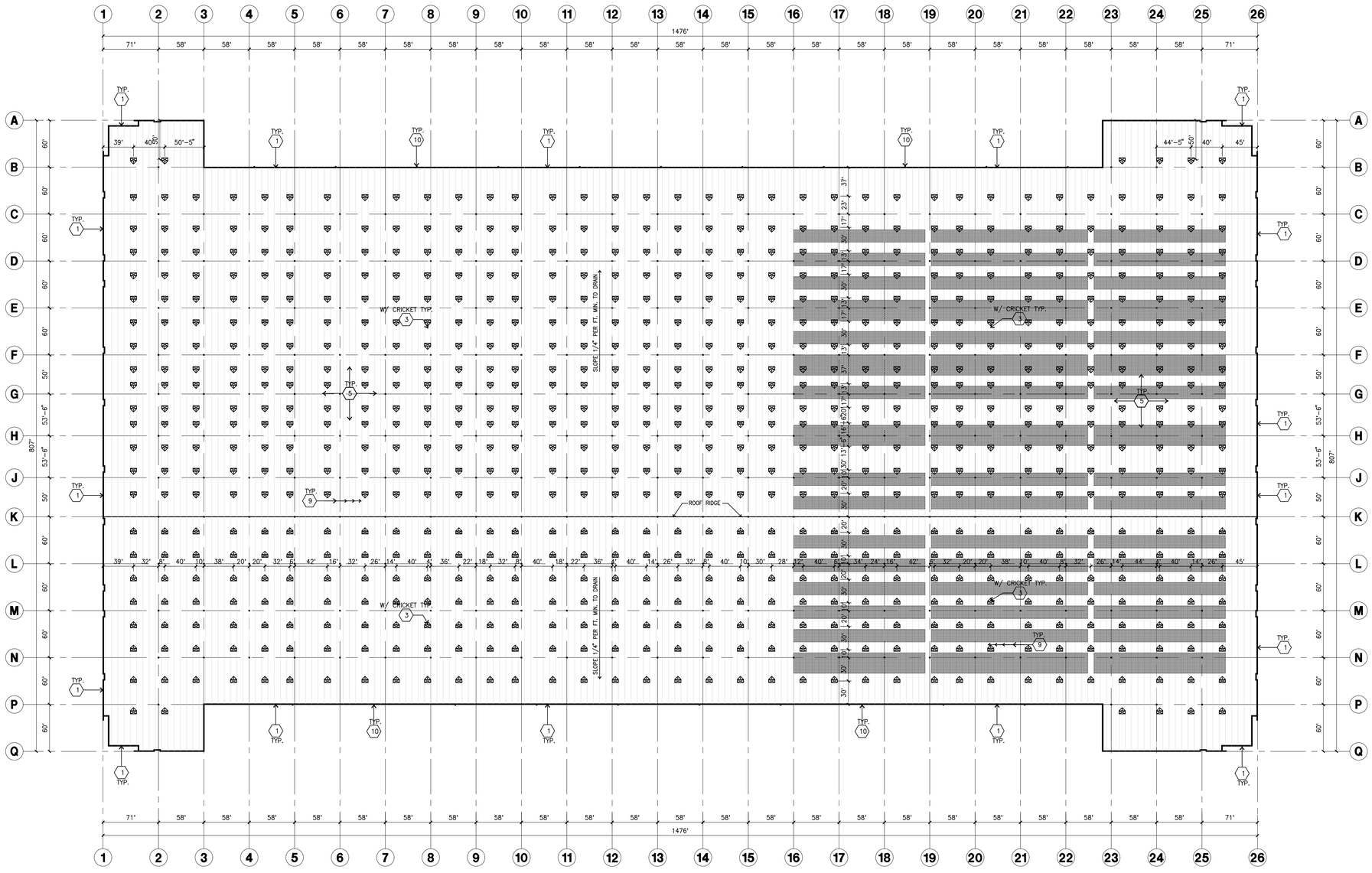
Project Number:	21549
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Date:	02/06/2023

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OVERALL ROOF PLAN A
scale: 1"=60'-0"

SCALE: 1" = 60'-0"
0 60' 120' 180' TRUE NORTH

ROOF PLAN KEYNOTES

1. CONCRETE PARAPET.
2. NOT USED
3. 4'X8' CURB MOUNTED SKYLIGHT.
4. NOT USED
5. **PROVIDE 4-PLY BUILT-UP ROOFING OVER ROOF SHEATHING OVER ROOF FRAMING. U.N.O.. ROOFING TO BE ND-24 CAP ROOFING BY JOHNS-MANVILLE OR EQUAL (CLASS A RATED). 10 YEAR NO DOLLAR LIMIT WARRANTY AND 2 YEAR LABOR GUARANTEE**
6. ROOF HATCH LOCATION.
7. ROOF ADDRESS PAINTED BLACK WITH 4' HIGH AND 1' WIDE STROKE PER LETTER.
8. PARAPET RETURN.
9. STRUCTURAL JOIST.
10. EXTERIOR DOWNSPOUT WITH OVERFLOW SCUPPERS.
11. INTERIOR ROOF DRAIN WITH OVERFLOW SCUPPERS.
12. INTERIOR ROOF DRAIN WITH OVERFLOW DRAIN.

ROOF PLAN GENERAL NOTES

A. ALL DIMENSIONS ARE TO FACE OF CONCRETE WALL, GRIDLINE, OR FACE OF STUD. (U.N.O.)

B. VERIFY THAT ALL ROOF AREAS HAVE POSITIVE DRAINAGE(1/4" FT.) PRIOR TO ROOF INSULATION INSTALLATION.

C. REFER TO "S" DRAWINGS FOR ROOF HEIGHT ELEVATIONS IN REGARDS TO ROOF DRAINAGE.

D. CONTRACTOR TO VERIFY AND COORDINATE WITH ALL SUBCONTRACTORS, ALL LOCATIONS AND SIZES OF ROOF OPENINGS.

E. FOR TYP. ROOF PENETRATIONS, SEE DETAIL 6, 9, 10/AD.3 CONTRACTOR TO VERIFY ALL LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS

F. CONTRACTOR TO VERIFY ALL ROOF DRAIN DEPRESSIONS W/ "S" DRAWINGS.

G. CONTRACTOR TO COORDINATE EXACT SKYLIGHT LOCATION W/ FIRE SPRINKLER AND ROOF FRAMING SUBCONTRACTORS. LOCATIONS ON DRAWINGS ARE APPROXIMATE.

H. ALL SKYLIGHTS TO BE DESIGNED PER WIND SPEED DESIGN CRITERIA W/ STRONGER FRAMES, SUPPORTS AND DOMES. MANUFACTURER TO CONFIRM IN WRITING.

I. ROOF DRAINS AND OVERFLOW DRAINS TO BE A MIN. 8" DIA., SEE "P" DRAWINGS FOR EXACT SIZE.

J. PROVIDE SHAPED CRICKETS AS REQUIRED FOR PROPER ROOF DRAINAGE OF 1/4" PER FOOT (MIN.).

K. **BUILT UP ROOFING TO BE DESIGNED FOR I 90 AND TO BE A U.L. CLASS A ROOF. FLASHING: 6AF TYPE 5MB MOPPED AP SHEET, U.L. TYPE 63 BUR.**

L. ALL ROOFING FASTENERS SHALL MEET ALL CODE AND REGULATION REQUIREMENTS. PROPER REQUIREMENTS ARE IN PROJECTS JURISDICTION AND ALSO, FACTORY MUTUAL (FM) WIND UPLIFT PRESSURE REQUIREMENTS.

M. ALL SKYLIGHTS TO BE PLACED A MIN. OF 18'-0" FROM INSIDE FACE OF PARAPET

N. USE WHITE SCRIM FOIL INSULATION IN THE WAREHOUSE AREA.

O. SMOKE VENTS SHALL BE REQUIRED IF AREAS FOR "POTENTIAL OFFICES" WILL BE USED FOR HIGH PILE COMBUSTIBLE STORAGE.

P. ROOF DRAINS, OVERFLOW DRAINS AND RAINWATER PIPING WITHIN THE INTERIOR OF THE BUILDING SHALL BE TESTED IN ACCORDANCE WITH THE PROVISIONS OF THE PLUMBING CODE FOR TESTING DRAIN, WASTE AND VENT SYSTEMS

Q. ROOF DRAINS, OVERFLOW PIPING WITHIN THE BUILDING SHALL UTILIZE APPROVED DRAINAGE FITTINGS.

R. MANUFACTURED ROOF DRAINS AND OVERFLOWS(FIXTURES) SHALL BE IAPMO LISTED

ROOF LEGEND

- 4' X 8' SKYLIGHT
- ROOF HATCH
- STRUCTURAL JOISTS SEE "S" DRAWINGS.
- BUILDING PARAPET LINE
- EXTERIOR DOWNSPOUT W/ OVERFLOW SCUPPER
- INTERIOR ROOF DRAIN W/ OVERFLOW SCUPPERS
- PROPOSED 15% SOLAR ZONE AREA

SKYLIGHT/SMOKEHATCH CALCULATION

PROJECT:
CLEAR HEIGHT IN WAREHOUSE ARE = **42** FT. CLEAR FROM 6" BETWEEN COLUMN "**C**" AND "N"
SEE DAB-A2.1 FOR LOCATIONS

REQUIRED

BUILDING FOOTPRINT	=	1,042,581 S.F.	
SKYLIGHTS REQUIRED	=	2.5% =	19,872 S.F. (621 E.A.)
SMOKE HATCH REQUIRED	=	0.5% =	3,968 S.F. (124 E.A.)

PROVIDED

SKYLIGHTS PROVIDED	=	(619 E.A.)
SMOKE HATCH REQUIRED	=	(124 E.A.)

MODEL

SKYLIGHT MODEL — MANUFACTURED BY BRISTOLITE DAYLIGHTING SYSTEM
MODEL # T4896-SS-CM-1-HS1 OR EQUAL
ICC-ESR-3177

BURGLAR BAR REQUIRED

HPA architecture

hpa, inc.
18831 bardeen avenue, - ste. #100
irvine, ca
92612
tel: 949•863•1770
fax: 949•863•0851
email: hpa@hparchs.com

Owner:

BTC III ARROW ROUTE CC LP

4675 MacArthur Court, Suite 625
Newport Beach, CA 92660

tel: (949) 892-4900

Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

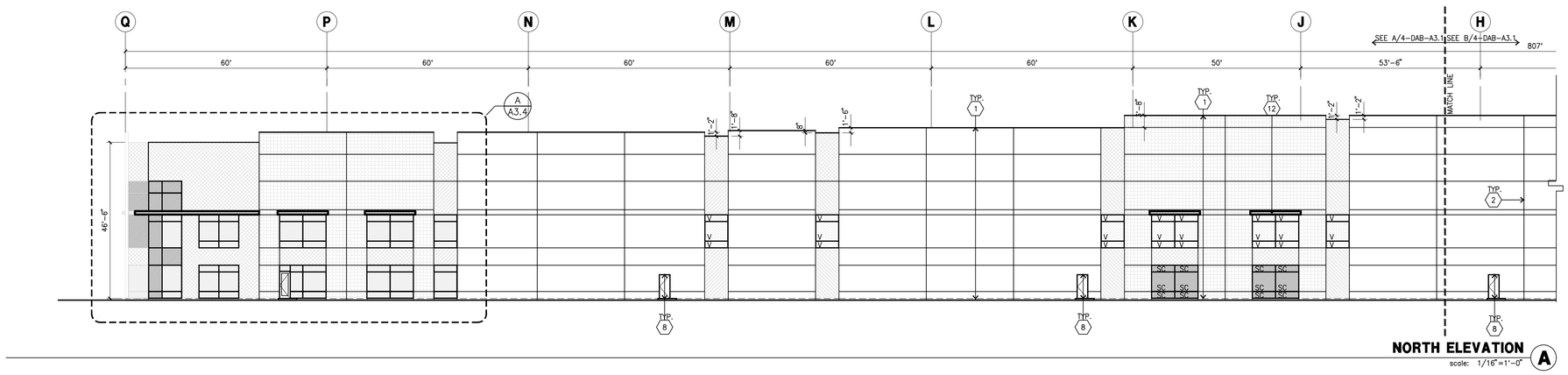
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Project Number: 21549
Drawn by: MW
Date: 02/06/2023
Revision:

Sheet:

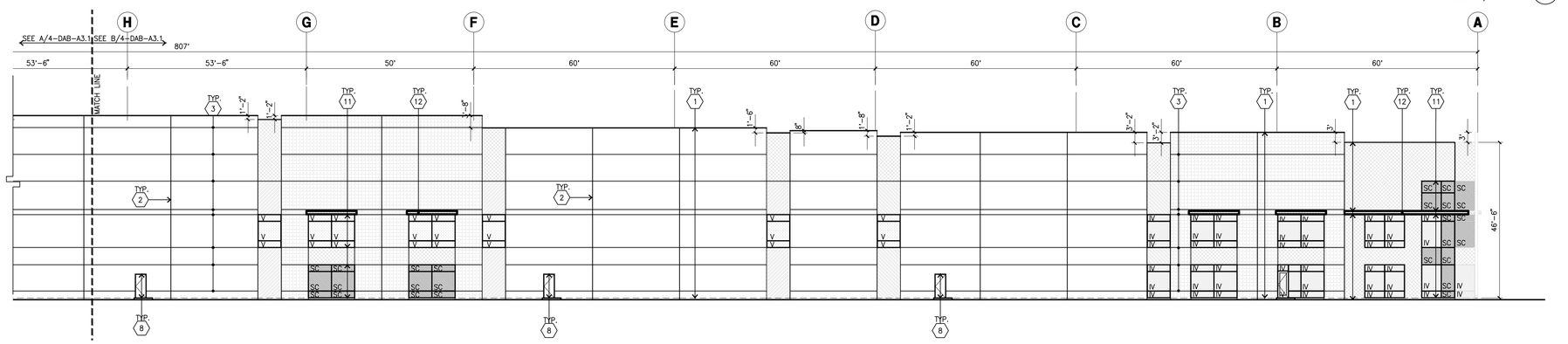
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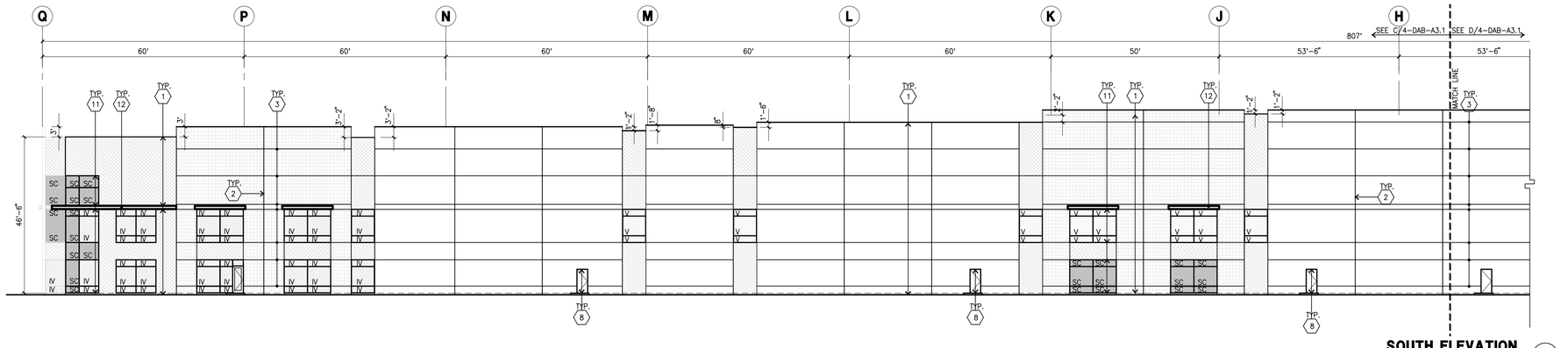
NORTH ELEVATION A

scale: 1/16"=1'-0"



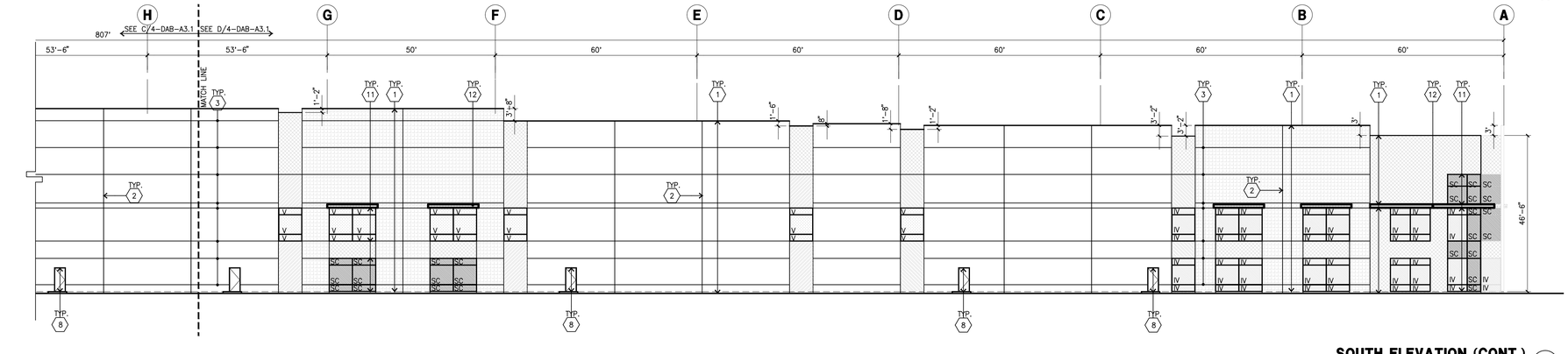
NORTH ELEVATION (CONT.) B

scale: 1/16"=1'-0"



SOUTH ELEVATION C

scale: 1/16"=1'-0"



SOUTH ELEVATION (CONT.) D

scale: 1/16"=1'-0"

ELEVATION KEYNOTES

1. CONCRETE TILT-UP PANEL.
2. PANEL JOINT.
3. PANEL REVEAL. ALL REVEALS TO HAVE A MAX. OF 3/8" CHAMFER. REVEAL COLOR TO MATCH ADJACENT BUILDING FIELD COLOR, U.N.O.
4. 12' X 14' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND.
5. 9' X 10' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND.
6. CONCRETE STAIR, LANDING AND GUARDRAIL W/ METAL PIPE HANDRAIL. PROVIDE NON SKID NOSING TO MEET ADA REQUIREMENTS. PROVIDE CONTRASTING COLORED 3" WIDE WARNING STRIPE INTEGRAL TO CONCRETE AT TOP LANDING AND BOTTOM TREAD PER ADA REQUIREMENTS.
7. 4' X 8' METAL LOUVER OPENING FOR VENTILATION. PAINT TO MATCH BUILDING COLOR.
8. HOLLOW METAL DOORS. PROVIDE COMPLETE WEATHER STRIPING ALL AROUND DOOR.
9. ROOF LINE BEYOND.
10. DOCK DOOR BUMPER TYPICAL.
11. ALUMINUM STOREFRONT FRAMING WITH TEMPERED GLAZING AT ALL DOORS, SIDELITES ADJACENT TO DOORS AND GLAZING WITH BOTTOMS LESS THAN 18" ABOVE FINISH FLOOR ELEVATION.
12. METAL CANOPY.
13. KNOCK-OUT PANEL.
14. INTERIOR ROOF DRAIN W/ 2 OVERFLOW SCUPPERS.
15. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
16. EXTERIOR LIGHTING FIXTURE.
17. APPROXIMATE LOCATION OF ADDRESS ON WALL.
18. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

ELEVATION GENERAL NOTES

1. ALL PAINT COLOR CHANGES TO OCCUR AT INSIDE CORNERS UNLESS NOTED OTHERWISE.
2. ALL PAINT FINISHES ARE TO BE FLAT UNLESS NOTED OTHERWISE.
3. T.O.P. EL.= TOP OF PARAPET ELEVATION.
4. F.F. = FINISH FLOOR ELEVATION.
5. STOREFRONT CONSTRUCTION: GLASS, METAL ATTACHMENTS AND LINTELS SHALL BE DESIGNED TO RESIST – MPH, EXPOSURE "C" WINDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL FULLY PAINT ONE CONCRETE PANEL W/ SELECTED COLORS. ARCHITECT AND OWNER SHALL APPROVE PRIOR TO PAINTING REMAINDER OF BUILDING.
7. BACK SIDE OF PARAPETS TO HAVE SMOOTH FINISH AND BE PAINTED WITH ELASTOMERIC PAINT.
8. FOR SPANDREL GLAZING, ALLOW SPACE BEHIND SPANDREL TO BREATH. PROVIDE 1" DIAMETER HOLES AT CONCRETE WALL.
9. USE ADHESIVE BACK WOOD STRIPS FOR ALL REVEAL FORMS.
10. THE FIRST COAT OF PAINT TO BE ROLLED-ON AND THE SECOND COAT TO BE SPRAYED-ON
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ELEVATION COLOR LEGEND/SCHED.

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2. PAINT. COLOR : SW 7670 GRAY SHINGLE
3. PAINT. COLOR : SW 7674 PEPPERCORN
4. PAINT. COLOR : SW 6243 DISTANCE
5. MULLIONS COLOR : BLACK ANODIZED
6. GLAZING COLOR : BLUE REFLECTIVE
7. METAL CANOPY: SHERWIN WILLIAMS ACRYLIC LATEX SYSTEMS HIGH GLOSS/HIGH PERFORMANCE SHERWIN WILLIAMS SW 7674 PEPPERCORI

GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV — INSULATED VISION GLASS

SC — SPANDREL GLASS WITH CONCRETE BEHIND

V — SINGLE LITE VISION GLASS

IV : INSULATED VISION GLASS
1/4" **VISTACOOL PACIFICA** + 1/4" **SOLARBAN 60** CLEAR
1" INSULATED GLASS UNIT WITH 1/2" AIRSPACE AND 1/4" LITES
U: **0.27** SHGC: **0.21** VLT: **26%**
MINIMUM VT TO BE 0.42 PER 2019 CEC TABLE 140.3-B

SC : SPANDREL WITH CONCRETE BEHIND
1/4" **VISTACOOL PACIFICA** WITH **HARMONY BLUE** OPACICOAT PAINTED ON REFLECTIVE, INSTALLED ON CONCRETE.

V : VISION GLASS
1/4" **VISTACOOL PACIFICA**

HPA architecture

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92612
tel: 949•863•1770
fax: 949•863•0851
email: hpa@hparchs.com

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Consultants:

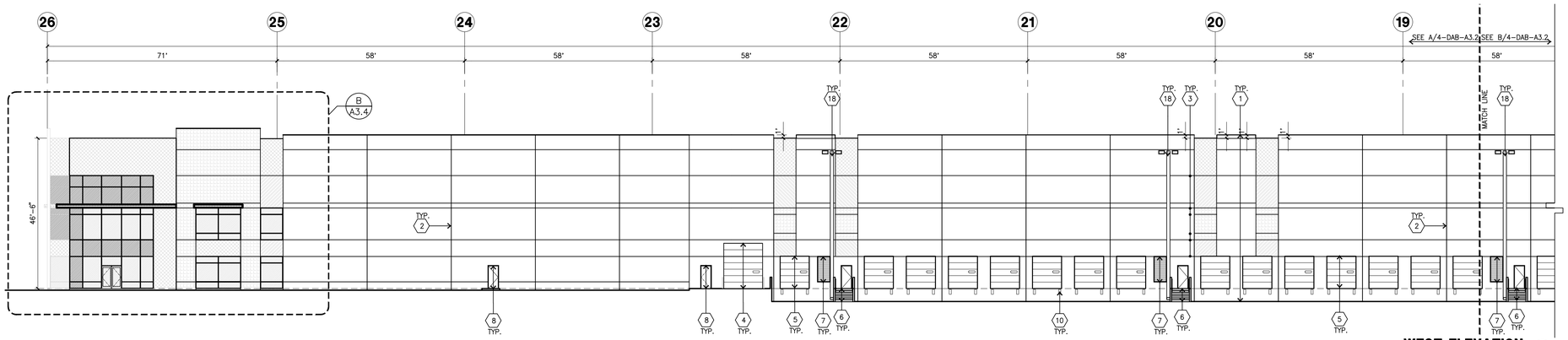
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Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title:	Elevations
Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

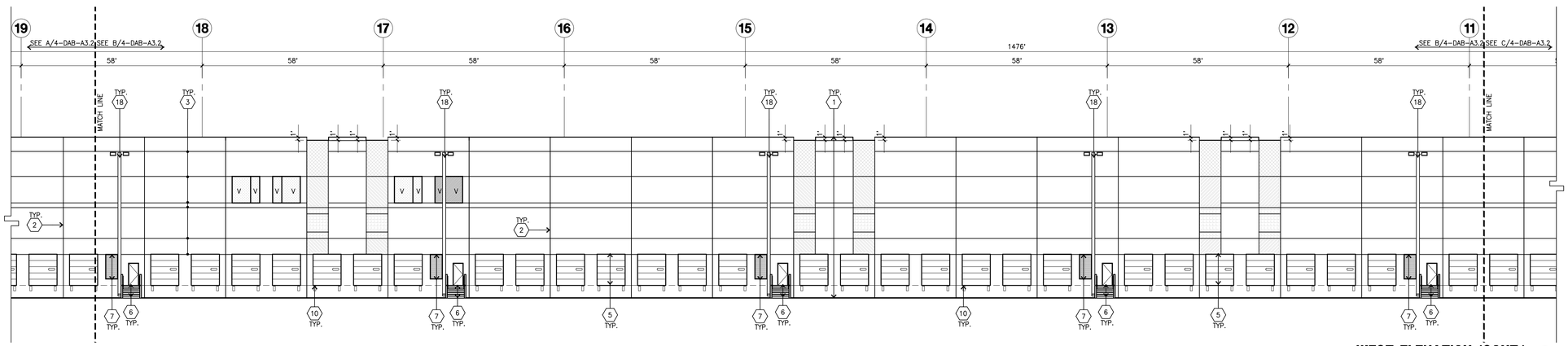
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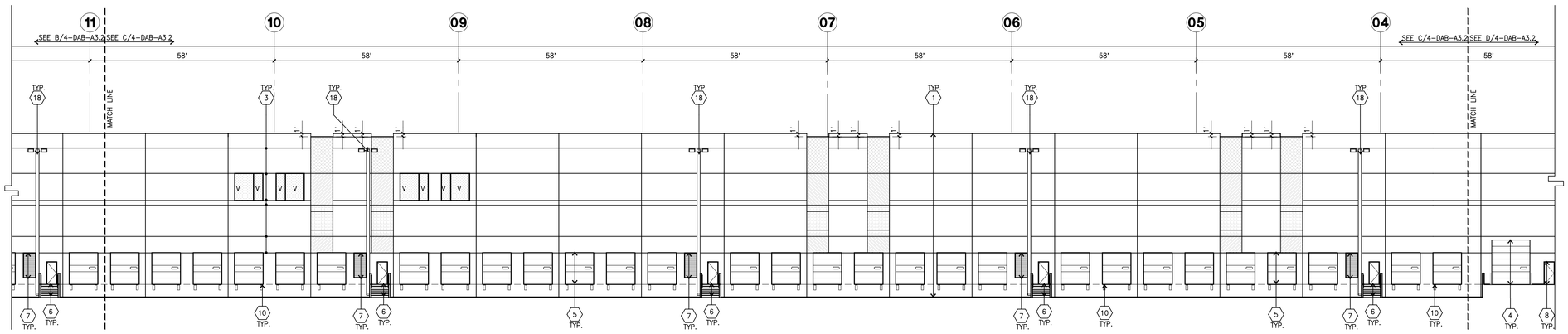
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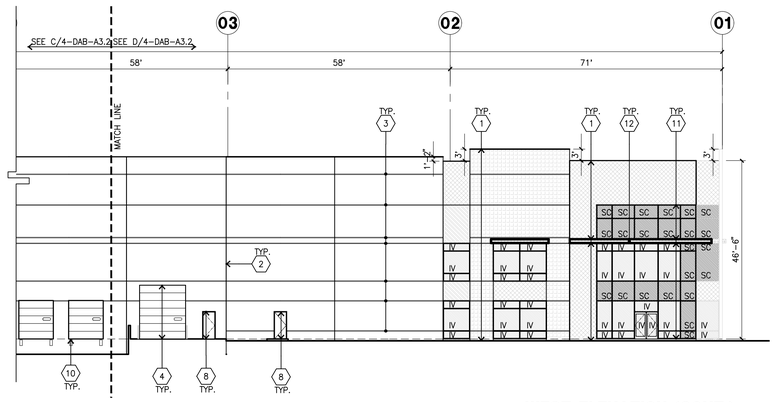
WEST ELEVATION (A)
scale: 1/16"=1'-0"



WEST ELEVATION (CONT.) (B)
scale: 1/16"=1'-0"



WEST ELEVATION (CONT.) (C)
scale: 1/16"=1'-0"



WEST ELEVATION (CONT.) (D)
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GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV — INSULATED VISION GLASS

SC — SPANDREL GLASS WITH CONCRETE BEHIND

V — SINGLE LITE VISION GLASS

IV : INSULATED VISION GLASS
1/4" **VISTACOOL PACIFICA** + 1/4" **SOLARBAN 60** CLEAR
1" INSULATED GLASS UNIT WITH 1/2" AIRSPACE AND 1/4" LITES
U: **0.27** SHGC: **0.21** VLT: **26%**
MINIMUM VT TO BE 0.42 PER 2019 CEC TABLE 140.3-B

SC : SPANDREL WITH CONCRETE BEHIND
1/4" **VISTACOOL PACIFICA** WITH **HARMONY BLUE** OPACICOAT PAINTED ON REFLECTIVE. INSTALLED ON CONCRETE.

V : VISION GLASS
1/4" **VISTACOOL PACIFICA**

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irvine, ca
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Owner:

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ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
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Consultants:

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Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

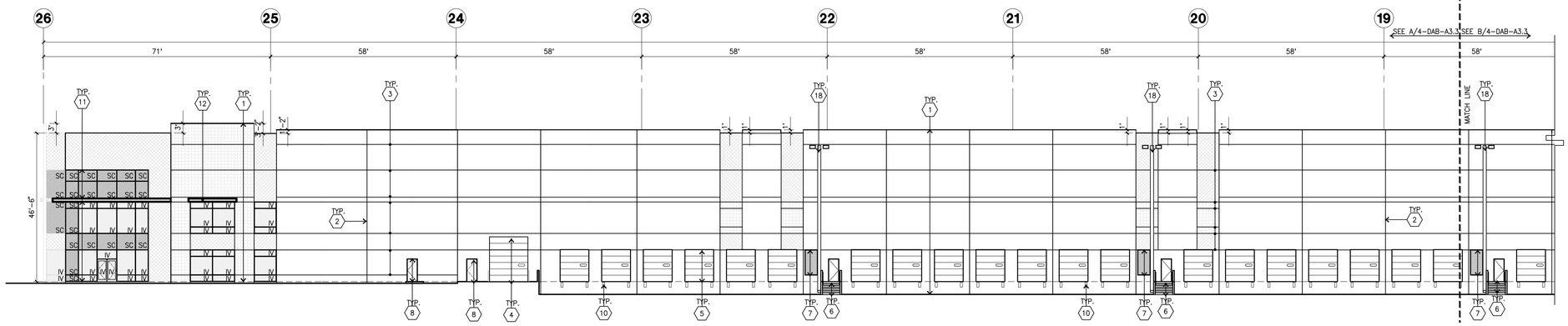
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Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

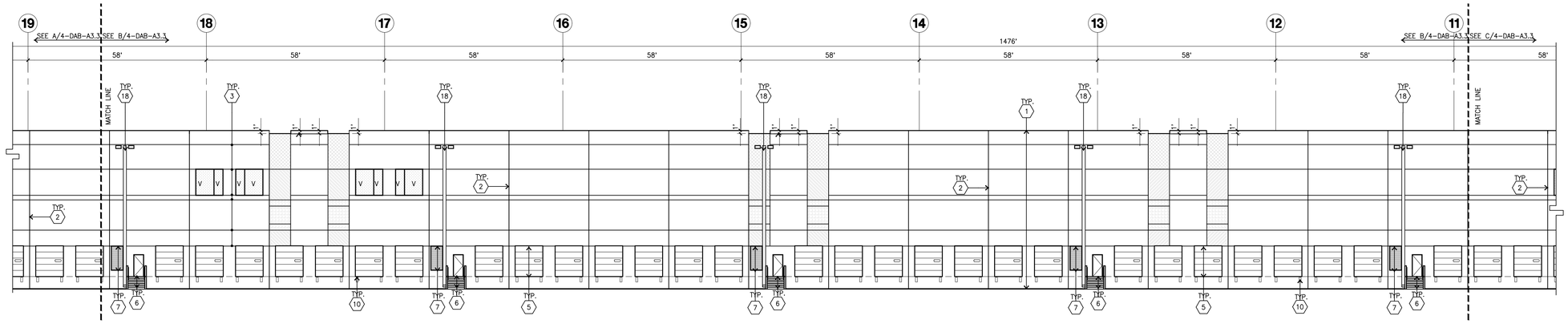
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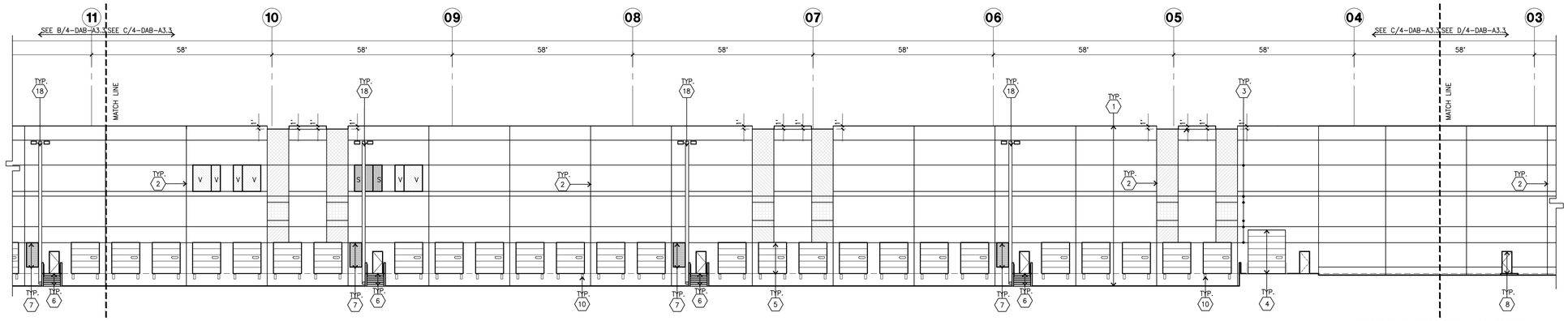
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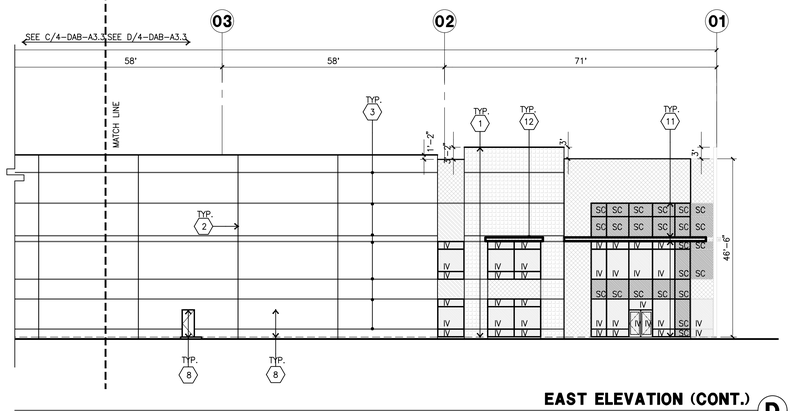
EAST ELEVATION (A)
scale: 1/16"=1'-0"



EAST ELEVATION (CONT.) (B)
scale: 1/16"=1'-0"



EAST ELEVATION (CONT.) (C)
scale: 1/16"=1'-0"



EAST ELEVATION (CONT.) (D)
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ELEVATION KEYNOTES

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2. PANEL JOINT.
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4. 12' X 14' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND.
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6. CONCRETE STAIR, LANDING AND GUARDRAIL W/ METAL PIPE HANDRAIL. PROVIDE NON SKID NOSING TO MEET ADA REQUIREMENTS. PROVIDE CONTRASTING COLORED 3" WIDE WARNING STRIPE INTEGRAL TO CONCRETE AT TOP LANDING AND BOTTOM TREAD PER ADA REQUIREMENTS. 4' X 8' METAL LOUVER OPENING FOR VENTILATION. PAINT TO MATCH BUILDING COLOR.
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10. ALUMINUM STOREFRONT FRAMING WITH TEMPERED GLAZING AT ALL DOORS, SIDELITES ADJACENT TO DOORS AND GLAZING WITH BOTTOMS LESS THAN 18" ABOVE FINISH FLOOR ELEVATION.
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GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV INSULATED VISION GLASS

SC SPANDREL GLASS WITH CONCRETE BEHIND

V SINGLE LITE VISION GLASS

IV : INSULATED VISION GLASS
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email: hpa@hparchs.com

Owner:

BTC III ARROW ROUTE CC LP

4675 MacArthur Court, Suite 625
Newport Beach, CA 92660

tel: (949) 892-4900

Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

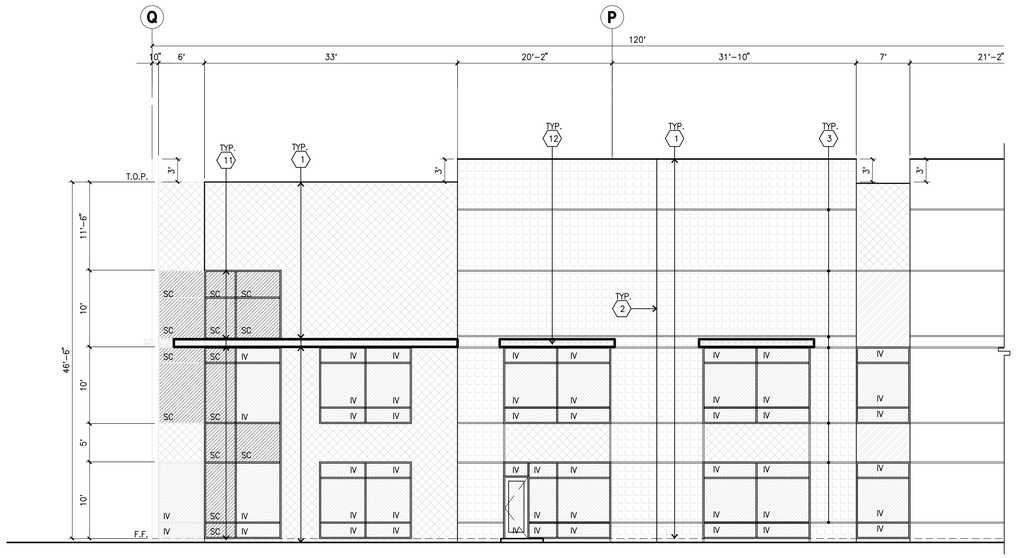
Title: Elevations

Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

Sheet:

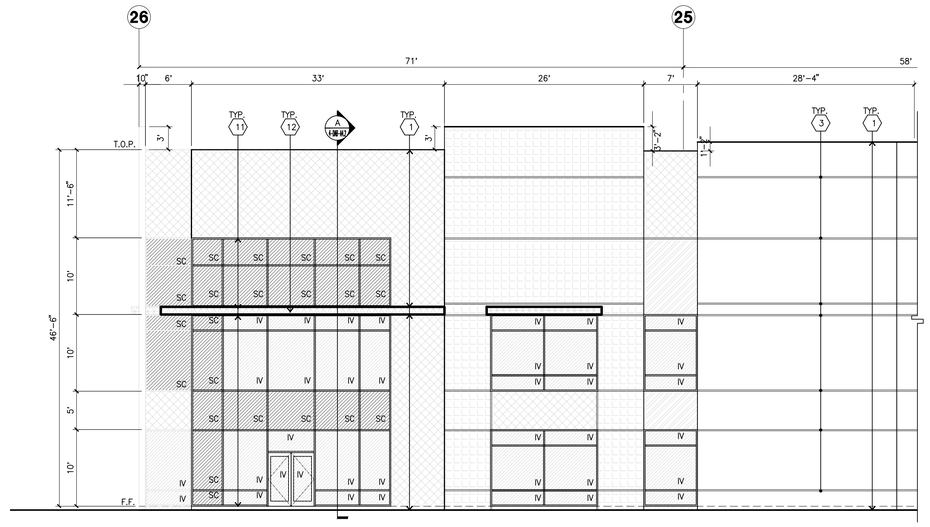
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CAUTION: IF THIS SHEET IS NOT 30"X42" IT IS A REDUCED PRINT



ENLARGED NORTH ELEVATION

scale: 1/8" = 1'-0" (A)



ENLARGED WEST ELEVATION

scale: 1/8" = 1'-0" (B)

ELEVATION KEYNOTES

1. CONCRETE TILT-UP PANEL.
2. PANEL JOINT.
3. PANEL REVEAL. ALL REVEALS TO HAVE A MAX. OF 3/8" CHAMFER. REVEAL COLOR TO MATCH ADJACENT BUILDING FIELD COLOR, U.N.O.
4. 12' X 14' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND.
5. 9' X 10' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND.
6. CONCRETE STAIR, LANDING AND GUARDRAIL W/ METAL PIPE HANDRAIL. PROVIDE NON SKID NOSING TO MEET ADA REQUIREMENTS. PROVIDE CONTRASTING COLORED 3" WIDE WARNING STRIPE INTEGRAL TO CONCRETE AT TOP LANDING AND BOTTOM TREAD PER ADA REQUIREMENTS.
7. 4' X 8' METAL LOUVER OPENING FOR VENTILATION. PAINT TO MATCH BUILDING COLOR.
8. HOLLOW METAL DOORS. PROVIDE COMPLETE WEATHER STRIPING ALL AROUND DOOR.
9. ROOF LINE BEYOND.
10. DOCK DOOR BUMPER TYPICAL.
11. ALUMINUM STOREFRONT FRAMING WITH TEMPERED GLAZING AT ALL DOORS, SIDELITES ADJACENT TO DOORS AND GLAZING WITH BOTTOMS LESS THAN 18" ABOVE FINISH FLOOR ELEVATION.
12. METAL CANOPY.
13. KNOCK-OUT PANEL.
14. INTERIOR ROOF DRAIN W/ 2 OVERFLOW SCUPPERS.
15. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
16. EXTERIOR LIGHTING FIXTURE.
17. APPROXIMATE LOCATION OF ADDRESS ON WALL.
18. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

ELEVATION GENERAL NOTES

1. ALL PAINT COLOR CHANGES TO OCCUR AT INSIDE CORNERS UNLESS NOTED OTHERWISE.
2. ALL PAINT FINISHES ARE TO BE FLAT UNLESS NOTED OTHERWISE.
3. T.O.P. EL.= TOP OF PARAPET ELEVATION.
4. F.F. = FINISH FLOOR ELEVATION.
5. STOREFRONT CONSTRUCTION: GLASS, METAL ATTACHMENTS AND LINTELS SHALL BE DESIGNED TO RESIST — MPH. EXPOSURE "C" WINDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL FULLY PAINT ONE CONCRETE PANEL W/ SELECTED COLORS. ARCHITECT AND OWNER SHALL APPROVE PRIOR TO PAINTING REMAINDER OF BUILDING.
7. BACK SIDE OF PARAPETS TO HAVE SMOOTH FINISH AND BE PAINTED WITH ELASTOMERIC PAINT.
8. FOR SPANDREL GLAZING, ALLOW SPACE BEHIND SPANDREL TO BREATH. PROVIDE 1" DIAMETER HOLES AT CONCRETE WALL.
9. USE ADHESIVE BACK WOOD STRIPS FOR ALL REVEAL FORMS.
10. THE FIRST COAT OF PAINT TO BE ROLLED-ON AND THE SECOND COAT TO BE SPRAYED-ON
11. ALL ROLL-UP DOORS AND SERVICE DOORS TO BE PAINTED TO MATCH BUILDING COLOR.

ELEVATION COLOR LEGEND/SCHED.

1. PAINT. COLOR : SW 7667 ZIRCON
2. PAINT. COLOR : SW 7670 GRAY SHINGLE
3. PAINT. COLOR : SW 7674 PEPPERCORN
4. PAINT. COLOR : SW 6243 DISTANCE
5. MULLIONS COLOR : BLACK ANODIZED
6. GLAZING COLOR : BLUE REFLECTIVE
7. METAL CANOPY: SHERWIN WILLIAMS ACRYLIC LATEX SYSTEMS HIGH GLOSS/HIGH PERFORMANCE SHERWIN WILLIAMS SW 7674 PEPPERCORI

GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV — INSULATED VISION GLASS

SC — SPANDREL GLASS WITH CONCRETE BEHIND

V — SINGLE LITE VISION GLASS

IV : INSULATED VISION GLASS
1/4" **VISTACOOL PACIFICA** + 1/4" **SOLARBAN 60** CLEAR
1" INSULATED GLASS UNIT WITH 1/2" AIRSPACE AND 1/4" LITES
U: **0.27** SHGC: **0.21** VLT: **26%**
MINIMUM VT TO BE 0.42 PER 2019 CEC TABLE 140.3-B

SC : SPANDREL WITH CONCRETE BEHIND
1/4" **VISTACOOL PACIFICA** WITH **HARMONY BLUE** OPACICOAT PAINTED ON REFLECTIVE. INSTALLED ON CONCRETE.

V : VISION GLASS
1/4" **VISTACOOL PACIFICA**

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Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

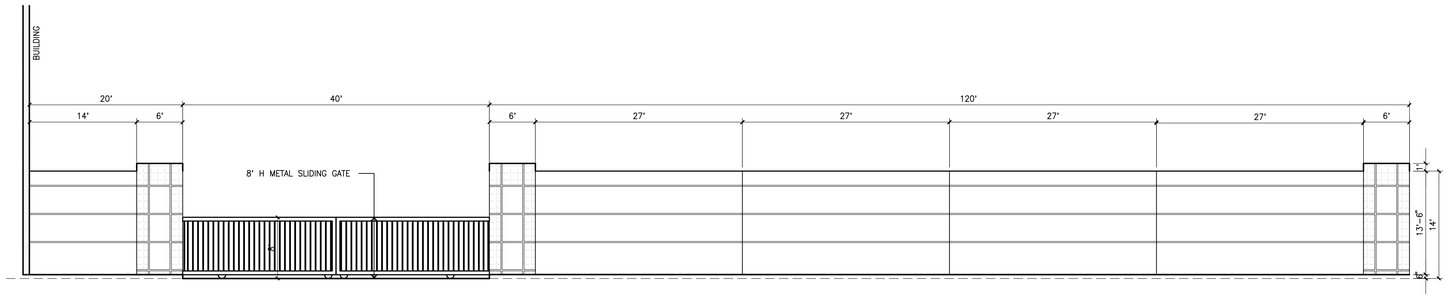
Title: Elevations

Project Number: 21549
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Date: 02/06/2023
Revision:

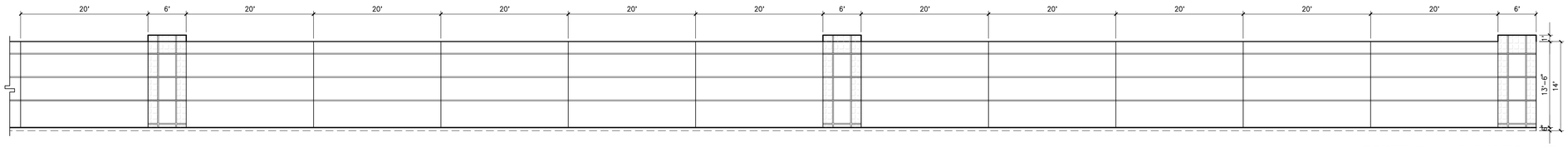
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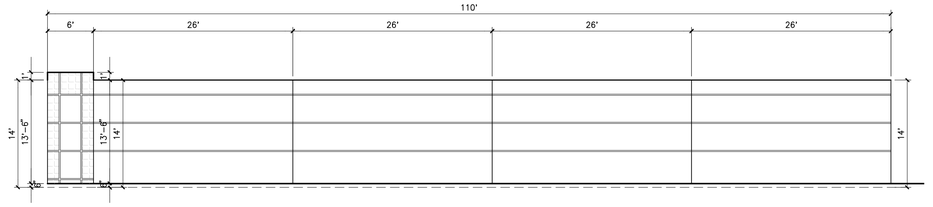
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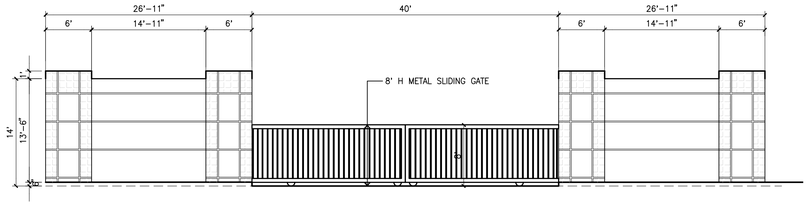
SCREENWALL ELEVATION A
scale: 1/8" = 1'-0"



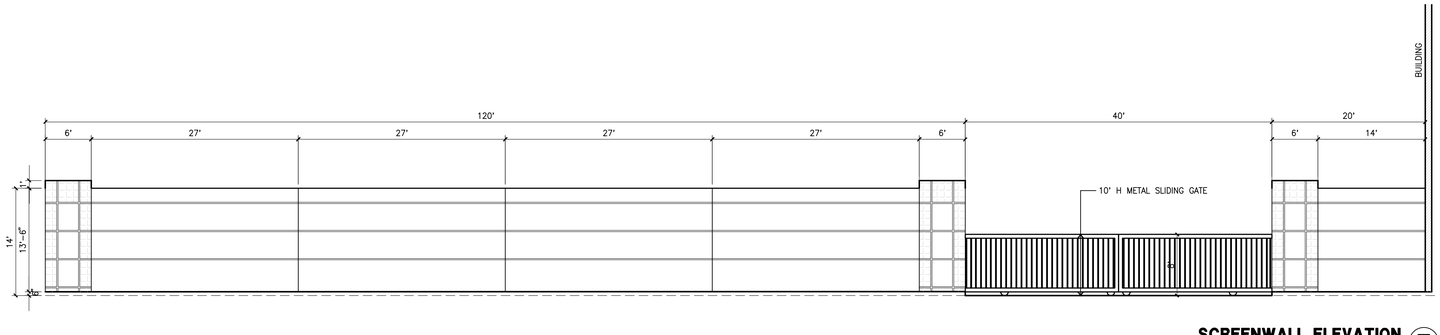
SCREENWALL ELEVATION B
scale: 1/8" = 1'-0"



SCREENWALL ELEVATION C
scale: 1/8" = 1'-0"

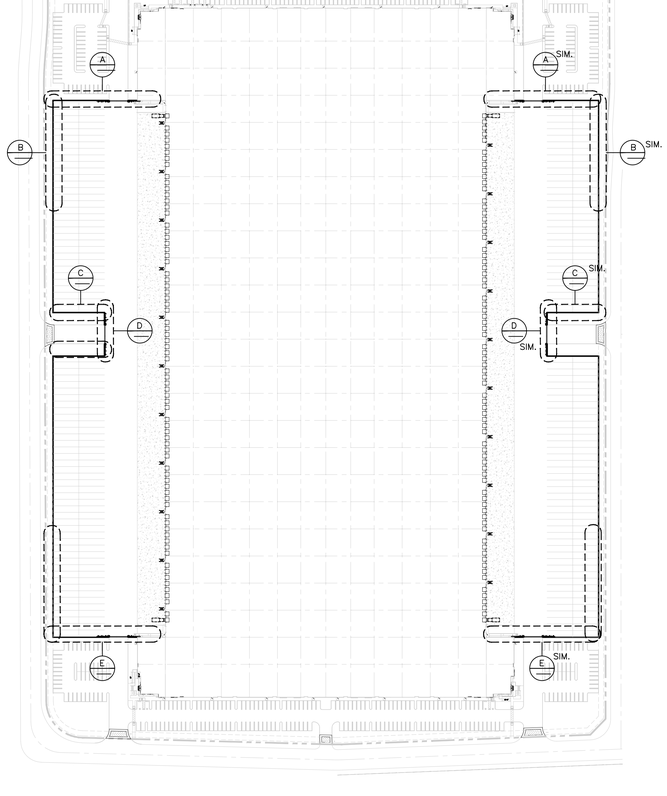


SCREENWALL ELEVATION D
scale: 1/8" = 1'-0"



SCREENWALL ELEVATION E
scale: 1/8" = 1'-0"

KEYMAP



COLOR LEGEND

SHERWIN-WILLIAMS SW 7667 ZIRCON ①

SHERWIN-WILLIAMS SW 7670 GRAY SHINGLE ②

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Consultants:

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Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title: SCREEN WALL

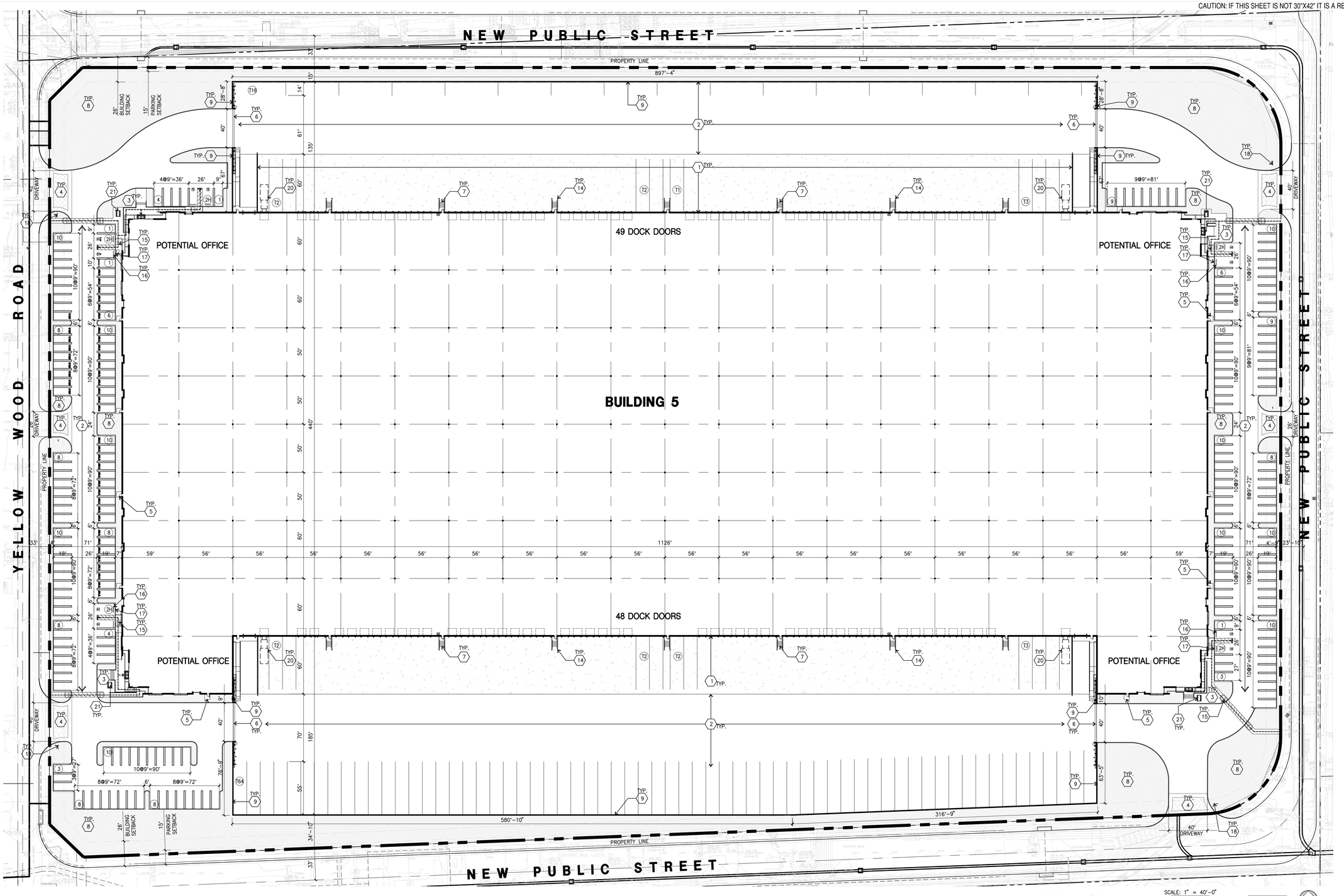
Project Number:	21549
Drawn by:	MW
Date:	02/06/2023

Revision:

Sheet:

4-DAB-A4.1

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OVERALL SITE PLAN
scale: 1"=40'-0"

SCALE: 1" = 40'-0"
0 40' 80' 120'
TRUE NORTH

SITE PLAN KEYNOTES

1. HEAVY BROOM FINISH CONC. PAVEMENT,
2. AC PAVING.
3. CONCRETE WALKWAY
4. DECORATIVE DRIVEWAY APRONS TO BE CONSTRUCTED PER "L" DRAWINGS.
5. 5'-6"X5'-6"X4" MIN. THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. SLOPE TO BE 1/4" : 12" MAX. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY W/ 1:20 MAX. AS REQ. BY CITY INSPECTOR.
6. 8' H PROVIDE METAL, MANUAL OPERATED GATES W/ KNOX-PAD LOCK PER FIRE DEPARTMENT STANDARDS PER DRIVEWAY.
7. EXTERIOR CONC. STAIR.
8. LANDSCAPE.
9. 14'H CONCRETE TILT-UP SCREEN WALL
10. 2X2 EV CONDUIT CONCRETE PAD.
11. APPROXIMATE LOCATION OF TRANSFORMER.
12. BIKE RACK.
13. TRASH ENCLOSURE
14. CONCRETE FILLED GUARD POST "6 DIA. U.N.O. 42" H.
15. TRUNCATED DOME.
16. PRE-CAST CONCRETE WHEEL STOP.
17. ACCESSIBLE PARKING STALL SIGN.
18. ACCESSIBLE ENTRY SIGN.
19. 8'H WROUGHT IRON FENCE.
20. TRASH COMPACTOR
21. BREAK AREA
22. RETAINING WALL

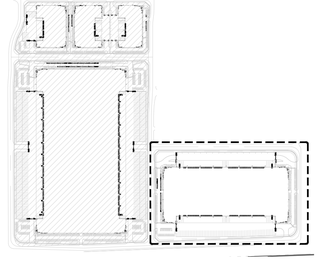
SITE PLAN GENERAL NOTES

1. THE SITE PLAN BASED ON THE SOILS REPORT PREPARED BY: TBD
2. IF SOILS ARE EXPANSIVE IN NATURE, USE STEEL REINFORCING FOR ALL SITE CONCRETE.
3. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE WALL, FACE OF CONCRETE CURB OR GRID LINE U.N.O.
4. SEE "C" PLANS FOR ALL CONCRETE CURBS, GUTTERS AND SWALES.
5. THE ENTIRE PROJECT SHALL BE PERMANENTLY MAINTAINED WITH AN AUTOMATIC IRRIGATION SYSTEM.
6. SEE "C" DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS.
7. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. SEE "C" DRAWINGS.
8. CONTRACTOR TO REFER TO "C" DRAWINGS FOR ALL HORIZONTAL CONTROL DIMENSIONS. SITE PLANS ARE FOR GUIDANCE AND STARTING LAYOUT POINTS.
9. SEE "C"DRAWINGS FOR FINISH GRADE ELEVATIONS.
10. CONCRETE SIDEWALKS TO BE A MINIMUM OF 4" THICK W/ TOOLED JOINTS AT 6' O.C. EXPANSION/CONSTRUCTION JOINTS SHALL BE A MAXIMUM 12' EA. WAY. EXPANSION JOINTS TO HAVE COMPRESSIVE EXPANSION FILLER MATERIAL OF 1/4". FINISH TO BE A MEDIUM BROOM FINISH U.N.O.
11. PAINT CURBS AND PROVIDE SIGNS TO INFORM OF FIRE LANES AS REQUIRED BY FIRE DEPARTMENT.
12. CONSTRUCTION DOCUMENTS PERTAINING TO THE LANDSCAPE AND IRRIGATION OF THE ENTIRE PROJECT SITE SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND APPROVED BY PUBLIC FACILITIES DEVELOPMENT PRIOR TO ISSUANCE OF BUILDING PERMITS.
13. PRIOR TO FINAL CITY INSPECTION, THE LANDSCAPE ARCHITECT SHALL SUBMIT A CERTIFICATE OF COMPLETION TO PUBLIC FACILITIES DEVELOPMENT.
14. ALL LANDSCAPE AND IRRIGATION DESIGNS SHALL MEET CURRENT CITY STANDARDS AS LISTED IN GUIDELINES OR AS OBTAINED FROM PUBLIC FACILITIES DEVELOPMENT.
15. LANDSCAPED AREAS SHALL BE DELINEATED WITH A MINIMUM SIX INCHES (6") HIGH CURB.

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19') VANPOOL (12' X 19')
- PATH OF TRAVEL
- 12' WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

KEY MAP



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Structural:	-
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Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

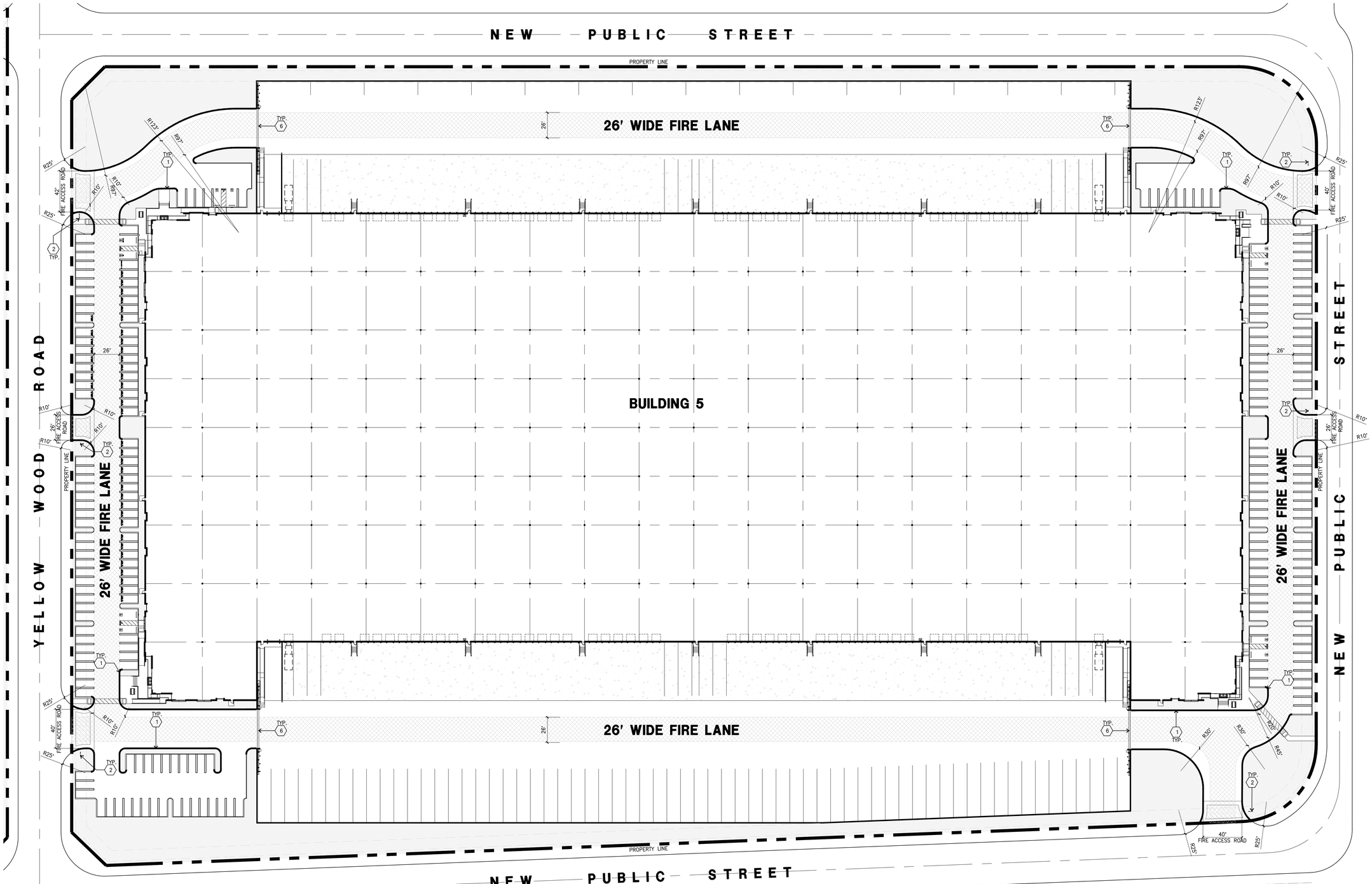
Title: Overall Site Plan

Project Number: 21549
Drawn by: MW
Date: 02/06/2023
Revision:

Sheet:

5-DAB-A1.1

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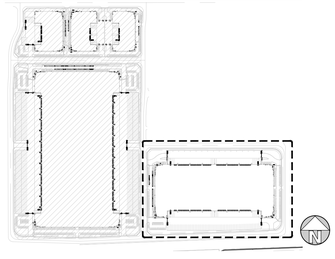
FIRE KEYNOTES

1. FIRE LANE IDENTIFICATION – RED CURB.
2. FIRE LANE ENTRANCE SIGN.
3. FIRE LANE NO PARKING SIGN.
4. FIRE DEPARTMENT CONNECTION (FDC) LOCATION
5. FIRE HYDRANT – APPROXIMATE LOCATION
6. MANUAL SLIDING GATE WITH KNOX PADLOCK

SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- CLEAN AIR VANPOOL/EV (9' X 19')
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19') VANPOOL (12' X 19')
- PATH OF TRAVEL
- 12" WIDE MONOLITHIC CONCRETE CURB ADJACENT TO PLANTER AT PARKING SPACES PER LOCAL JURISDICTION STANDARD

KEY MAP



FIRE ACCESS PLAN A
scale: 1"=40'-0"

SCALE: 1" = 40'-0"
0 40' 80' 120'
TRUE NORTH

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Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title: Fire Access Plan

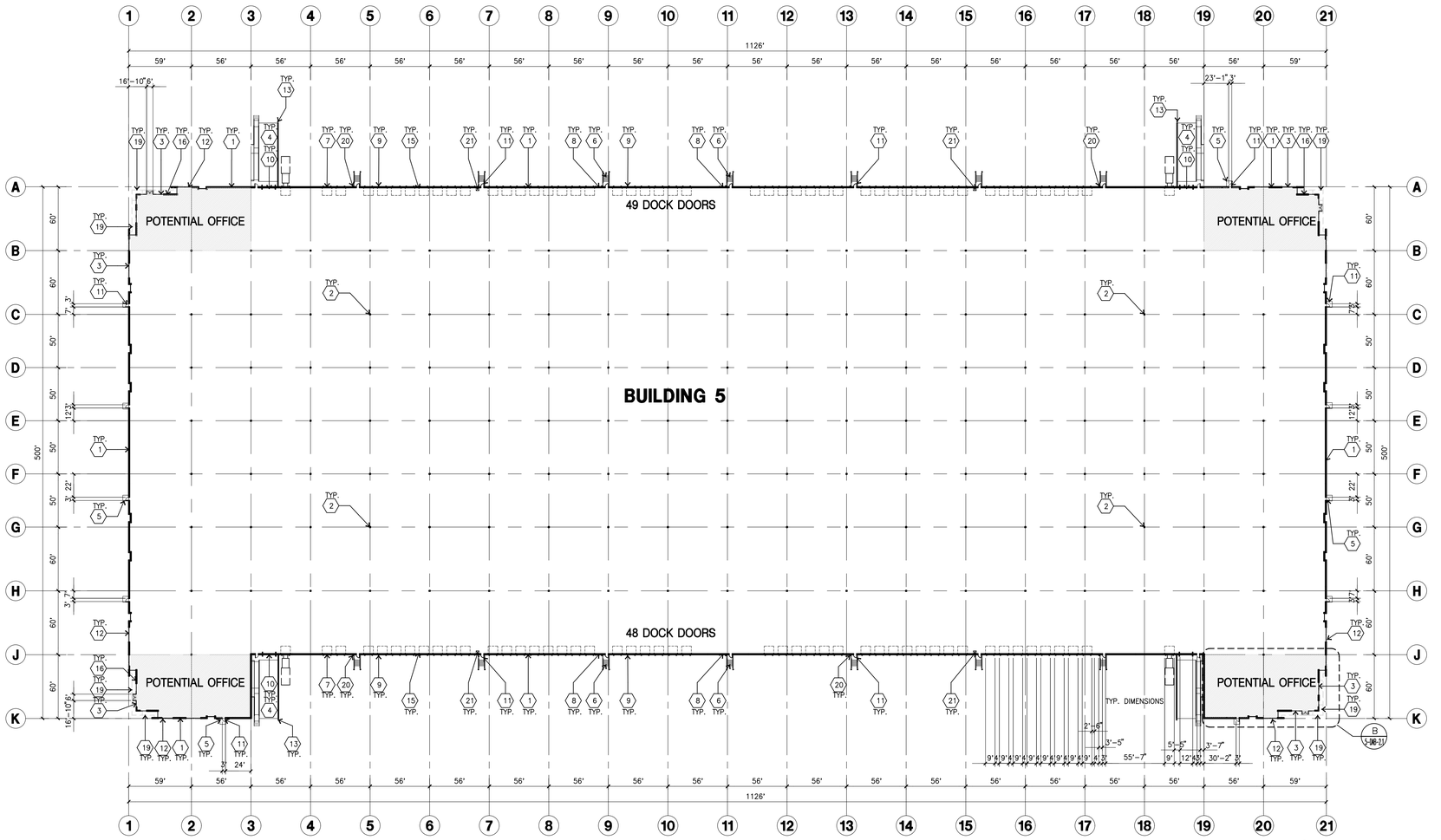
Project Number:	21549
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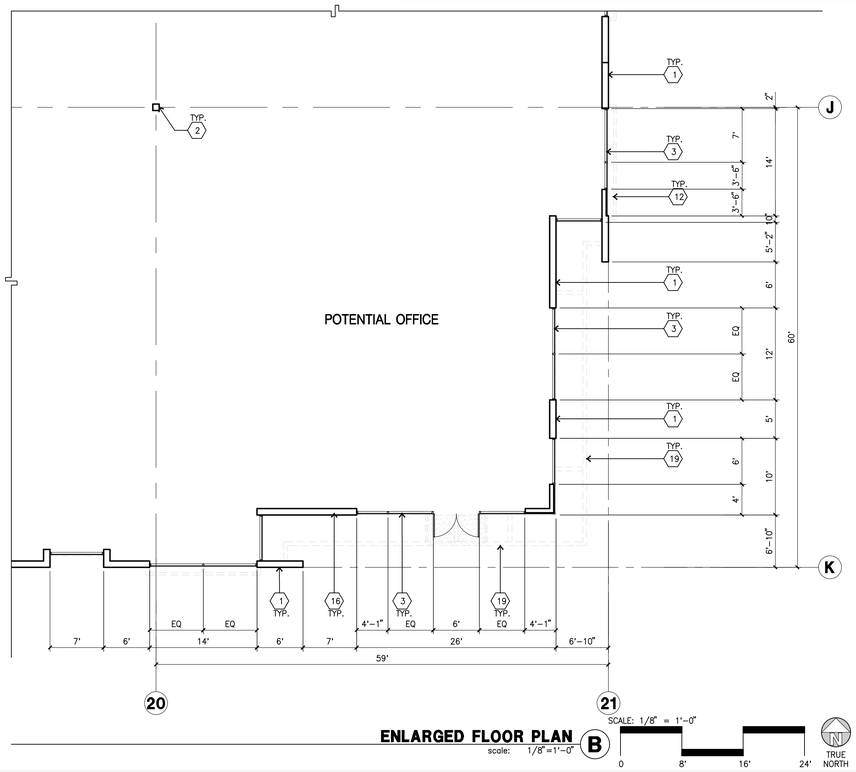
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OVERALL FLOOR PLAN (A) scale: 1"=50'-0"

SCALE: 1" = 50'-0"

0 50' 100' 150' TRUE NORTH



ENLARGED FLOOR PLAN (B) scale: 1/8"=1'-0"

SCALE: 1/8" = 1'-0"

0 8' 16' 24' TRUE NORTH

FLOOR PLAN KEYNOTES

1. CONCRETE TILT-UP PANEL.
2. STRUCTURAL STEEL COLUMN.
3. TYPICAL STOREFRONT SYSTEM WITH GLAZING. SEE OFFICE BLOW-UP AND ELEVATIONS FOR SIZE, COLOR AND LOCATIONS.
4. CONCRETE RAMP W/ 42"HIGH CONC TILT-UP GUARD WALL OR BUILDING WALL ON BOTH SIDE OF RAMP.
5. 5'-6"X5'-6"X4" THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY AS REQ. BY CITY INSPECTOR.
6. EXTERIOR CONCRETE STAIR WITH GUARDRAIL AND HANDRAIL.
7. 9' X 10' TRUCK DOOR, SECTIONAL O.H., STANDARD GRADE.
8. LOUVERED OPENING FOR VENTILATION.
9. DOCK DOOR BUMPER TYPICAL.
10. 12' X 14' DRIVE THRU. SECTIONAL O.H., STANDARD GRADE.
11. 3' X 7' HOLLOW METAL EXTERIOR MAN DOOR.
12. SOFFIT LINE ABOVE
13. CONC. FILLED GUARD POST. 6" DIA. U.N.O.. 42"H.
14. NOT USED.
15. Z GUARD.
16. RECESSED KNOX BOX 5' HIGH FROM FINISH SURFACE. PER FIRE DEPARTMENT STANDARD.
17. ROOF ACCESS LADDER.
18. INTERIOR LONG-TERM BIKE RACK. BIKE RACK TO BE PERMANENTLY ANCHORED.
19. TUBE STEEL CANOPY.
20. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.
21. INTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

FLOOR PLAN GENERAL NOTES

1. THIS BUILDING IS DESIGNED FOR HIGH PILE STORAGE WITH FIRE ACCESS MAN DOORS AT APPROXIMATELY 125' O.C. A SEPARATE PERMIT WILL BE REQUIRED FOR ANY RACKING/CONVEYER SYSTEMS.

2. FIRE HOSE LOCATIONS SHALL BE APPROVED PER FIRE DEPARTMENT.

3. SEE "C" DRAWINGS FOR FINISH SURFACE ELEVATIONS.

4. WAREHOUSE INTERIOR CONCRETE WALLS ARE PAINTED WHITE. COLUMNS ARE TO RECEIVE PRIMER ONLY. ALL GYP. BD. WALLS IN WAREHOUSE TO RECEIVE 1 COAT OF WHITE TO COVER.

5. SLOPE POUR STRIP 1/2" TO EXTERIOR AT ALL MANDOOR EXITS. SEE "S" DRAWINGS FOR POUR STRIP LOCATION.

6. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE PANEL WALL, GRID LINE, OR FACE OF STUD U.N.O.

7. SEE CIVIL DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR TO VERIFY ACTUAL UTILITY LOCATIONS. PLUMBING/ELECTRICAL COORDINATION.

8. SEE BELOW FOR DOOR TYPES AND SIZES.
NOTE: ALL DOORS PER DOOR SCHEDULE ARE FINISH OPENINGS.

9. CONTRACTOR TO PROTECT AND KEEP THE FLOOR SLAB CLEAN. ALL EQUIPMENT TO BE DIAPERED INCLUDING CARS AND TRUCKS.

10. ALL EXIT MAN DOORS IN WAREHOUSE TO HAVE ILLUMINATED EXIT SIGN HARDWARE. (X)

11. HIGHLY FLAMMABLE AND COMBUSTIBLE MATERIAL SHALL NOT BE USED OR STORED IN THIS BUILDING.

12. EACH EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT". THE MOUNTING HEIGHT FOR SUCH SIGNAGE SHALL BE 60" FROM FINISH FLOOR LEVEL TO THE CENTER OF THE SIGN.

13. NON-ACCESSIBLE DOOR. PROVIDE WARNING SIGN LOCATED IN THE INTERIOR SIDE PER CBC 11B-703.5

14. ALL ROOF MOUNTED MATERIALS SHALL BE FULLY SCREENED FROM PUBLIC VIEW, SEE A/A4.1 OFFICE SECTION.

15. PROVIDE FIRE RATED PANEL JOINTS AND CAULKING AT ALL OPENINGS ON 3HR FIRE RATED WALL. SEE A DRAWING FOR LOCATIONS.

16. PROVIDE FIRE EXTINGUISHERS PER FIRE MARSHALL

FLOOR SLAB & POUR STRIPS REQ.

THESE NOTES ARE VERY MIN. REQUIREMENT. SEE "S" DWGS FOR ADDITIONAL REQUIREMENTS

1. FLOOR COMPACTION - 95%
2. TRENCH COMPACTION - 90%
3. BUILDING FLOOR SLAB: SEE STRUCTURAL DRAWINGS.
4. CONTRACTOR TO BUILD FOR CLASS V FLOOR PER A.C.I. 302-1R-96
5. CONCRETE SLAB TO HAVE STEEL FLOAT HARD TROWEL BURNISHED FINISH.
6. CONTRACTOR TO CURE SLAB TO BE WET CURING USING BURLINE FOR 7 DAYS MIN.
7. ALL EQUIPMENT & MOVING VEHICLES SHALL BE DIAPERED.
8. NO CRANES, CONCRETE TRUCKS, OR ANYTHING HEAVIER WILL BE PLACED ON THE SLAB.
9. SLAB TO BE FF50 FL35 MEASURED WITHIN 24 HOURS.
10. NO FLY ASH IN THE CONCRETE
11. WHERE [▨] INDICATED, PROVIDE VAPOR BARRIER (15MIL STEGO OR EQUAL) UNDER THE CONCRETE SLAB. PROVIDE SAND PER SOILS ENGINEER OR MANUFACTURER'S RECOMMENDATION.

CONCRETE SLAB IN FUTURE OFFICE AREAS, WHERE SAND OVER VIQUEEN ARE REQUIRED, SHALL BE NATURALLY HYDRATED WITHOUT USE OF BURLENE, CURING COMPOUND, OR RELEASE AGENTS.
CONTROL/CONSTRUCTION JOINTS SHALL NOT BE FILLED WITH MM-80 JOINT FILLER IN FUTURE OFFICE AREAS.
12. SEAL CONCRETE SLAB W/ "LIPIDOLITH" SEALER
13. 10' POUR STRIP AT TRUCK DOOR. 4FT. MAX. ELSEWHERE.
14. ALL FLOOR SLAB NAIL OR BRACE FRAME HOLES FILLED WITH APPROVED 2 PART EPOXY COMPOUND TO MATCH CONCRETE COLOR. PEGA BOND LV 2000,BURKE EPOXY INJECTION RESIN OR EQUAL.
15. PROVIDE FIRE EXTINGUISHERS PER FIRE DEPARTMENT REQUIREMENT.
16. MM-80 AT SPEED BAY ONLY

NOTE:
ALL FLOOR RISER AND UNPROTECTED ROOF DRAIN TO RECEIVE TO PROTECTIVE BOLLARDS.

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Owner:

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tel: (949) 892-4900

Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

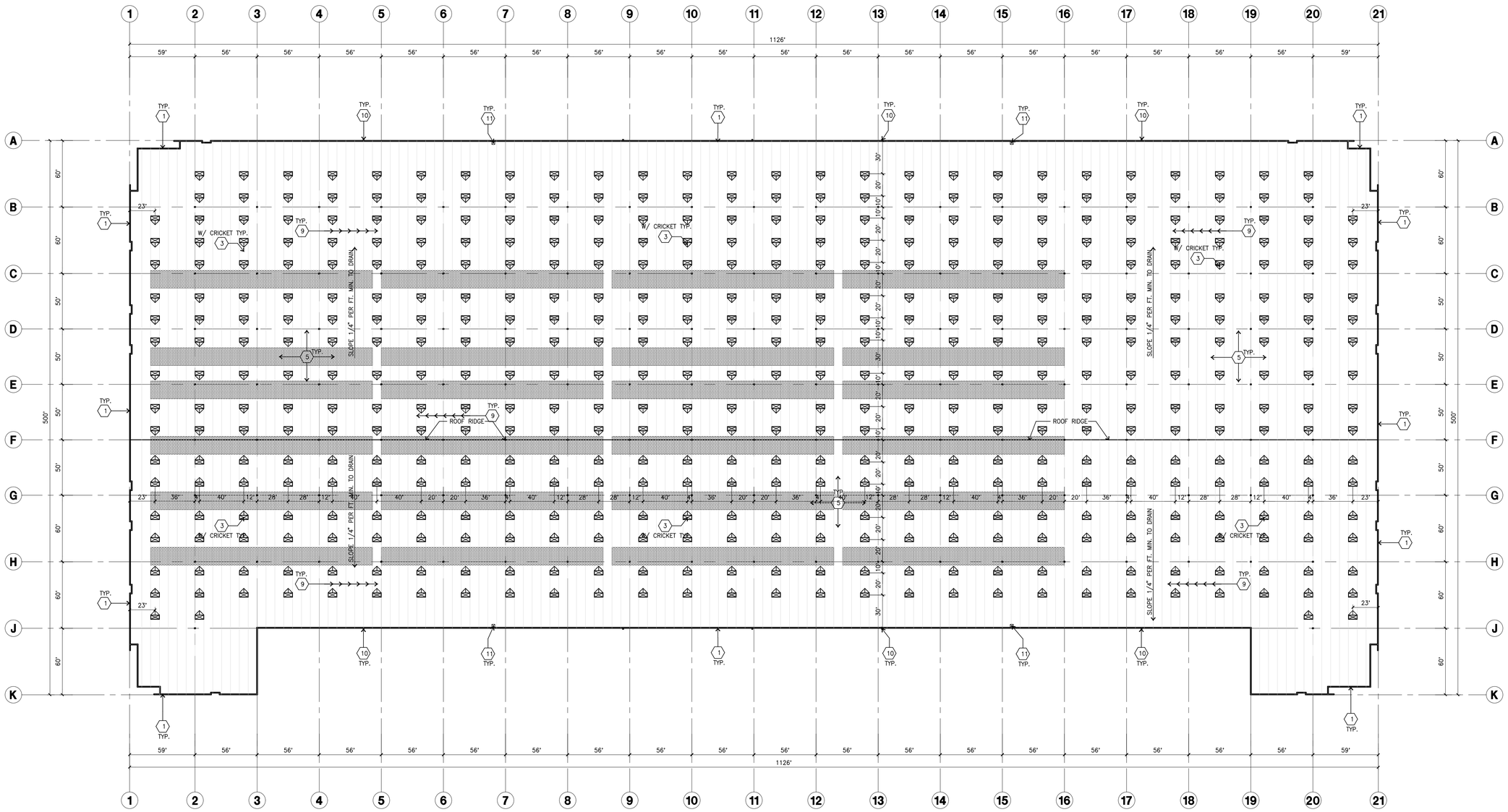
Title: Overall Site Plan

Project Number: 21549
Drawn by: MW
Date: 02/06/2023
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5-DAB-A2.1

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OVERALL ROOF PLAN

scale: 1" =40'-0"

SCALE: 1" = 40'-0"

0 40' 80' 120' TRUE NORTH

ROOF PLAN KEYNOTES

1. CONCRETE PARAPET.
2. NOT USED
3. 4'X8' CURB MOUNTED SKYLIGHT.
4. NOT USED
5. **PROVIDE 4-PLY BUILT-UP ROOFING OVER ROOF SHEATHING OVER ROOF FRAMING. U.N.O.. ROOFING TO BE ND-24 CAP ROOFING BY JOHNS-MANVILLE OR EQUAL (CLASS A RATED). 10 YEAR NO DOLLAR LIMIT WARRANTY AND 2 YEAR LABOR GUARANTEE**
6. ROOF HATCH LOCATION.
7. ROOF ADDRESS PAINTED BLACK WITH 4' HIGH AND 1' WIDE STROKE PER LETTER.
8. PARAPET RETURN.
9. STRUCTURAL JOIST.
10. EXTERIOR DOWNSPOUT WITH OVERFLOW SCUPPERS.
11. INTERIOR ROOF DRAIN WITH OVERFLOW SCUPPERS.
12. INTERIOR ROOF DRAIN WITH OVERFLOW DRAIN.

ROOF PLAN GENERAL NOTES

A. ALL DIMENSIONS ARE TO FACE OF CONCRETE WALL, GRIDLINE, OR FACE OF STUD. (U.N.O.)

B. VERIFY THAT ALL ROOF AREAS HAVE POSITIVE DRAINAGE(1/4" FT.) PRIOR TO ROOF INSULATION INSTALLATION.

C. REFER TO "S" DRAWINGS FOR ROOF HEIGHT ELEVATIONS IN REGARDS TO ROOF DRAINAGE.

D. CONTRACTOR TO VERIFY AND COORDINATE WITH ALL SUBCONTRACTORS, ALL LOCATIONS AND SIZES OF ROOF OPENINGS.

E. FOR TYP. ROOF PENETRATIONS, SEE DETAIL 6, 9, 10/AD.3 CONTRACTOR TO VERIFY ALL LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS

F. CONTRACTOR TO VERIFY ALL ROOF DRAIN DEPRESSIONS W/ "S" DRAWINGS.

G. CONTRACTOR TO COORDINATE EXACT SKYLIGHT LOCATION W/ FIRE SPRINKLER AND ROOF FRAMING SUBCONTRACTORS. LOCATIONS ON DRAWINGS ARE APPROXIMATE.

H. ALL SKYLIGHTS TO BE DESIGNED PER WIND SPEED DESIGN CRITERIA W/ STRONGER FRAMES, SUPPORTS AND DOMES. MANUFACTURER TO CONFIRM IN WRITING.

I. ROOF DRAINS AND OVERFLOW DRAINS TO BE A MIN. 8" DIA., SEE "P" DRAWINGS FOR EXACT SIZE.

J. PROVIDE SHAPED CRICKETS AS REQUIRED FOR PROPER ROOF DRAINAGE OF 1/4" PER FOOT (MIN.).

K. **BUILT UP ROOFING TO BE DESIGNED FOR I 90 AND TO BE A U.L. CLASS A ROOF. FLASHING: 6AF TYPE 5MB MOPPED AP SHEET, U.L. TYPE 63 BUR.**

L. ALL ROOFING FASTENERS SHALL MEET ALL CODE AND REGULATION REQUIREMENTS. PROPER REQUIREMENTS ARE IN PROJECTS JURISDICTION AND ALSO, FACTORY MUTUAL (FM) WIND UPLIFT PRESSURE REQUIREMENTS.

M. ALL SKYLIGHTS TO BE PLACED A MIN. OF 18'-0" FROM INSIDE FACE OF PARAPET

N. USE WHITE SCRIM FOIL INSULATION IN THE WAREHOUSE AREA.

O. SMOKE VENTS SHALL BE REQUIRED IF AREAS FOR "POTENTIAL OFFICES" WILL BE USED FOR HIGH PILE COMBUSTIBLE STORAGE.

P. ROOF DRAINS, OVERFLOW DRAINS AND RAINWATER PIPING WITHIN THE INTERIOR OF THE BUILDING SHALL BE TESTED IN ACCORDANCE WITH THE PROVISIONS OF THE PLUMBING CODE FOR TESTING DRAIN, WASTE AND VENT SYSTEMS

Q. ROOF DRAINS, OVERFLOW PIPING WITHIN THE BUILDING SHALL UTILIZE APPROVED DRAINAGE FITTINGS.

R. MANUFACTURED ROOF DRAINS AND OVERFLOWS(FIXTURES) SHALL BE IAPMO LISTED

ROOF LEGEND

- 4' X 8' SKYLIGHT
- ROOF HATCH
- STRUCTURAL JOISTS SEE "S" DRAWINGS.
- BUILDING PARAPET LINE
- EXTERIOR DOWNSPOUT W/ OVERFLOW SCUPPER
- INTERIOR ROOF DRAIN W/ OVERFLOW SCUPPERS
- PROPOSED 15% SOLAR ZONE AREA

SKYLIGHT/SMOKEHATCH CALCULATION

PROJECT:
CLEAR HEIGHT IN WAREHOUSE ARE = **40** FT. CLEAR FROM 6" BETWEEN COLUMN **"B"** & **"N"**
SEE A2.1 FOR LOCATIONS

REQUIRED

BUILDING FOOTPRINT	=	507,079 S.F.	
SKYLIGHTS REQUIRED	=	2.5% =	12,677 S.F. (396 E.A.)
SMOKE HATCH REQUIRED	=	0.5% =	2,535 S.F. (80 E.A.)

PROVIDED

SKYLIGHTS PROVIDED	=	(396 E.A.)
SMOKE HATCH REQUIRED	=	(80 E.A.)

MODEL

SKYLIGHT MODEL	MANUFACTURED BY BRISTOLITE DAYLIGHTING SYSTEM MODEL # T4896-SS-CM-1-HS1 OR EQUAL ICC-ESR-3177
BURGLAR BAR REQUIRED	

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Electrical:	-
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Fire Protection:	-
Soils Engineer:	-

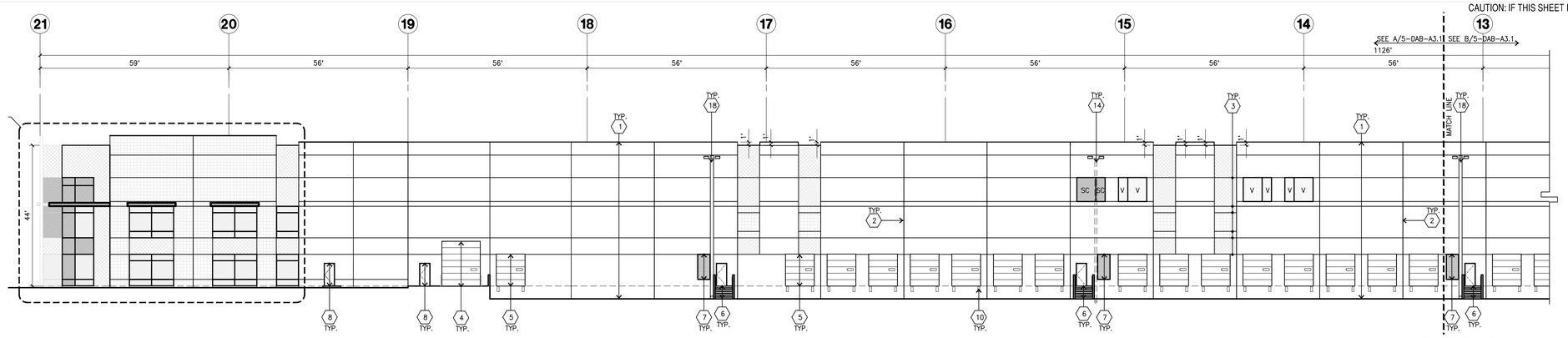
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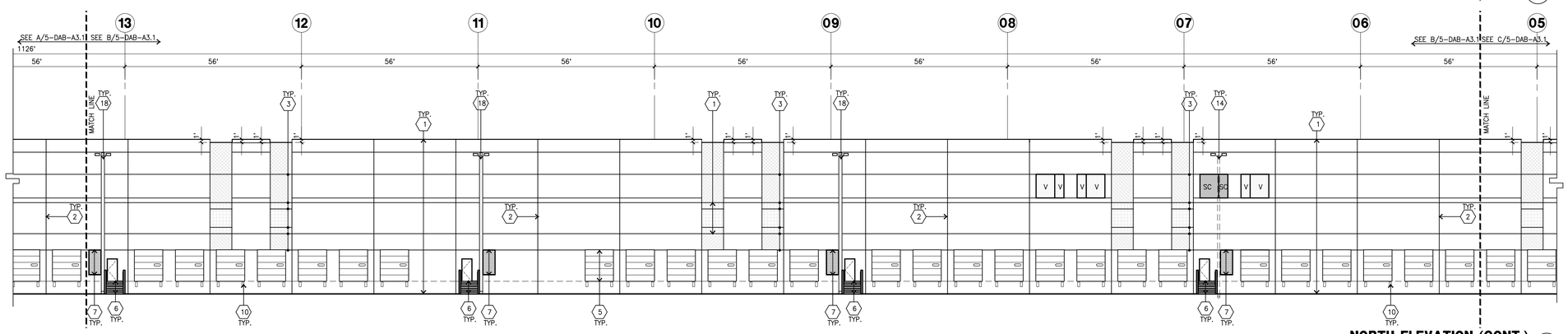
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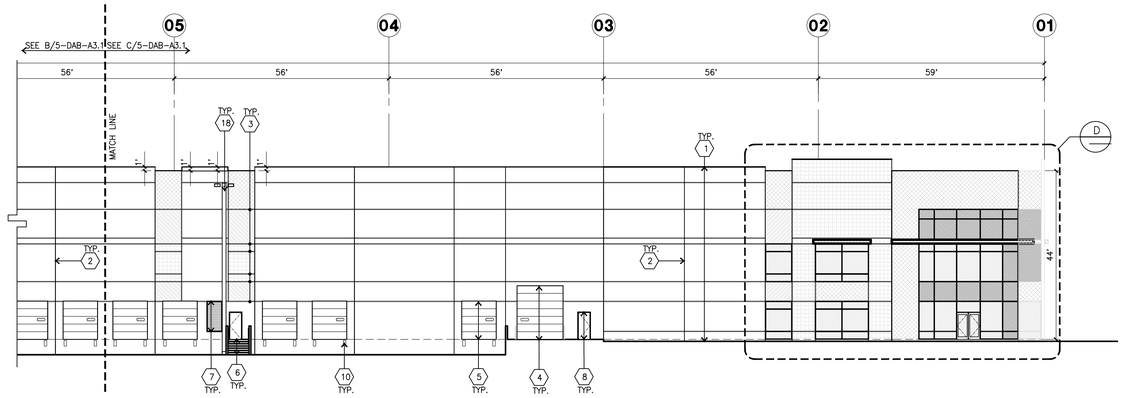
NORTH ELEVATION (A)

scale: 1/16"=1'-0"



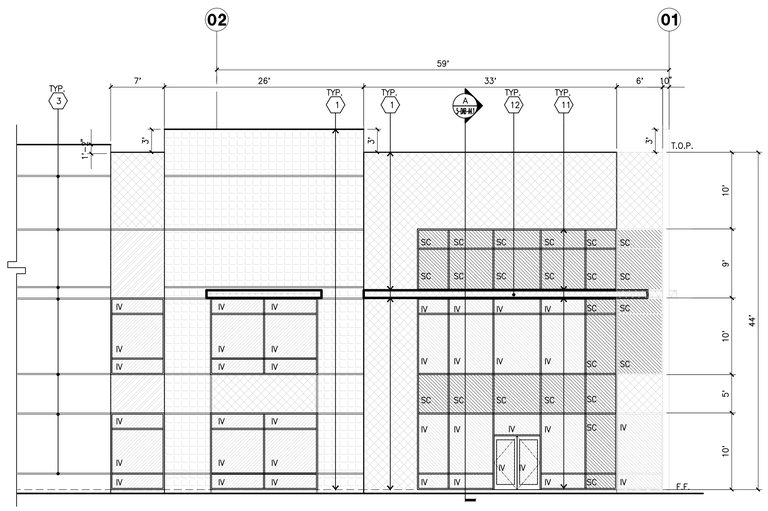
NORTH ELEVATION (CONT.) (B)

scale: 1/16"=1'-0"



NORTH ELEVATION (C)

scale: 1/16"=1'-0"



ENLARGED NORTH ELEVATION (D)

scale: 1/8"=1'-0"

ELEVATION KEYNOTES

1. CONCRETE TILT-UP PANEL.
2. PANEL JOINT.
3. PANEL REVEAL. ALL REVEALS TO HAVE A MAX. OF 3/8" CHAMFER. REVEAL COLOR TO MATCH ADJACENT BUILDING FIELD COLOR, U.N.O.
4. 12' X 14' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND.
5. 9' X 10' OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND.
6. CONCRETE STAIR, LANDING AND GUARDRAIL W/ METAL PIPE HANDRAIL. PROVIDE NON SKID NOSING TO MEET ADA REQUIREMENTS. PROVIDE CONTRASTING COLORED 2" WIDE WARNING STRIPE INTEGRAL TO CONCRETE AT TOP LANDING AND BOTTOM TREAD PER ADA REQUIREMENTS.
7. 4' X 8' METAL LOUVER OPENING FOR VENTILATION. PAINT TO MATCH BUILDING COLOR.
8. HOLLOW METAL DOORS. PROVIDE COMPLETE WEATHER STRIPING ALL AROUND DOOR.
9. ROOF LINE BEYOND.
10. DOCK DOOR BUMPER TYPICAL.
11. ALUMINUM STOREFRONT FRAMING WITH TEMPERED GLAZING AT ALL DOORS, SIDELITES ADJACENT TO DOORS AND GLAZING WITH BOTTOMS LESS THAN 18" ABOVE FINISH FLOOR ELEVATION.
12. METAL CANOPY.
13. KNOCK-OUT PANEL.
14. INTERIOR ROOF DRAIN W/ 2 OVERFLOW SCUPPERS.
15. CONC. FILLED GUARD POST. 6" DIA. U.N.O., 42"H.
16. EXTERIOR LIGHTING FIXTURE.
17. APPROXIMATE LOCATION OF ADDRESS ON WALL.
18. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

ELEVATION GENERAL NOTES

1. ALL PAINT COLOR CHANGES TO OCCUR AT INSIDE CORNERS UNLESS NOTED OTHERWISE.
2. ALL PAINT FINISHES ARE TO BE FLAT UNLESS NOTED OTHERWISE.
3. T.O.P. EL.= TOP OF PARAPET ELEVATION.
4. F.F. = FINISH FLOOR ELEVATION.
5. STOREFRONT CONSTRUCTION: GLASS, METAL ATTACHMENTS AND LINTELS SHALL BE DESIGNED TO RESIST — MPH. EXPOSURE "C" WINDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO INSTALLATION.
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7. BACK SIDE OF PARAPETS TO HAVE SMOOTH FINISH AND BE PAINTED WITH ELASTOMERIC PAINT.
8. FOR SPANDREL GLAZING, ALLOW SPACE BEHIND SPANDREL TO BREATH. PROVIDE 1" DIAMETER HOLES AT CONCRETE WALL.
9. USE ADHESIVE BACK WOOD STRIPS FOR ALL REVEAL FORMS.
10. THE FIRST COAT OF PAINT TO BE ROLLED-ON AND THE SECOND COAT TO BE SPRAYED-ON
11. ALL ROLL-UP DOORS AND SERVICE DOORS TO BE PAINTED TO MATCH BUILDING COLOR.

ELEVATION COLOR LEGEND/SCHED.

1. PAINT. COLOR : SW 7667 ZIRCON
2. PAINT. COLOR : SW 7670 GRAY SHINGLE
3. PAINT. COLOR : SW 7674 PEPPERCORN
4. PAINT. COLOR : SW 6243 DISTANCE
5. MULLIONS COLOR : BLACK ANODIZED
6. GLAZING COLOR : BLUE REFLECTIVE
7. METAL CANOPY: SHERWIN WILLIAMS ACRYLIC LATEX SYSTEMS HIGH GLOSS/HIGH PERFORMANCE SHERWIN WILLIAMS SW 7674 PEPPERCORI

GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV — INSULATED VISION GLASS

SC — SPANDREL GLASS WITH CONCRETE BEHIND

V — SINGLE LITE VISION GLASS

IV : INSULATED VISION GLASS
1/4" **VISTACOOL PACIFICA** + 1/4" **SOLARBAN 60** CLEAR
1" INSULATED GLASS UNIT WITH 1/2" AIRSPACE AND 1/4" LITES
U: **0.27** SHGC: **0.21** VLT: **26%**
MINIMUM VT TO BE 0.42 PER 2019 CEC TABLE 140.3-B

SC : SPANDREL WITH CONCRETE BEHIND
1/4" **VISTACOOL PACIFICA** WITH **HARMONY BLUE** OPACICOAT PAINTED ON REFLECTIVE. INSTALLED ON CONCRETE.

V : VISION GLASS
1/4" **VISTACOOL PACIFICA**

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Consultants:

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Structural: -
Mechanical: -
Plumbing: -
Electrical: -
Landscape: HUNTER LANDSCAPE
Fire Protection: -
Soils Engineer: -

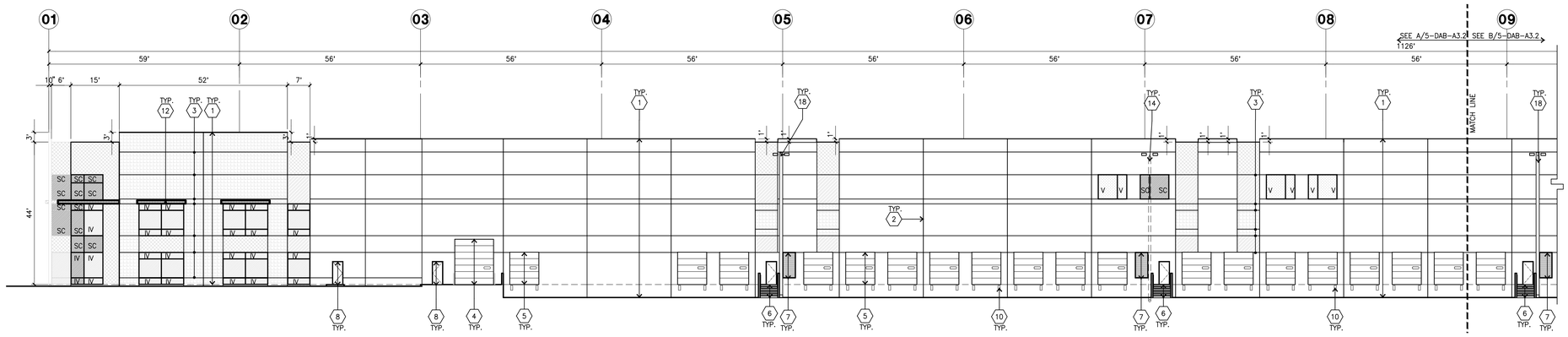
Title: Elevations

Project Number: 21549
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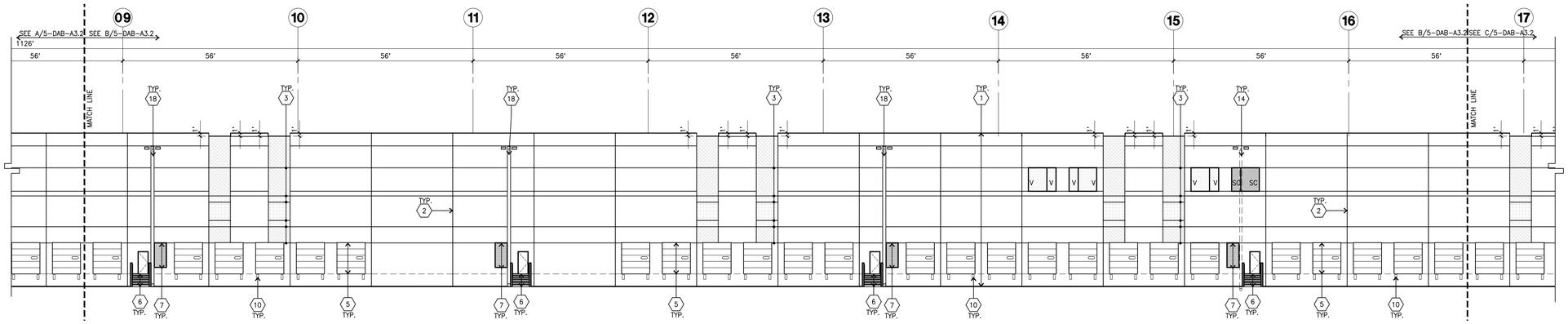
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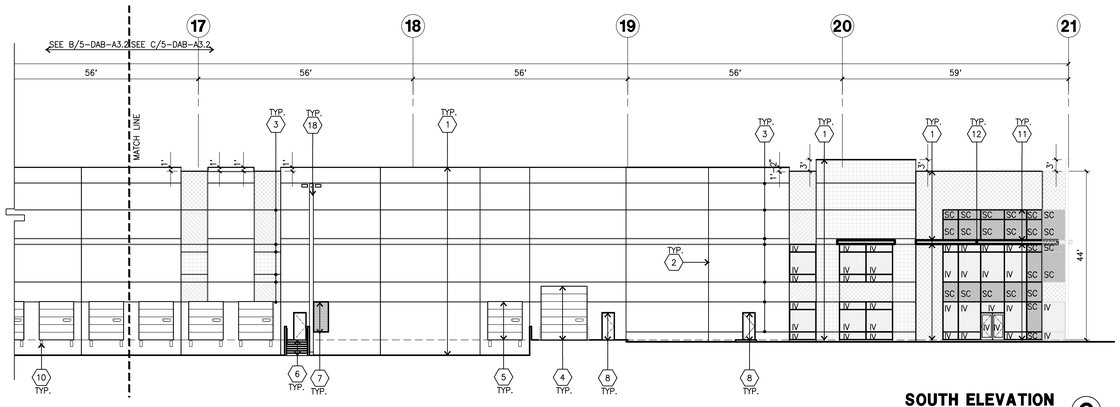
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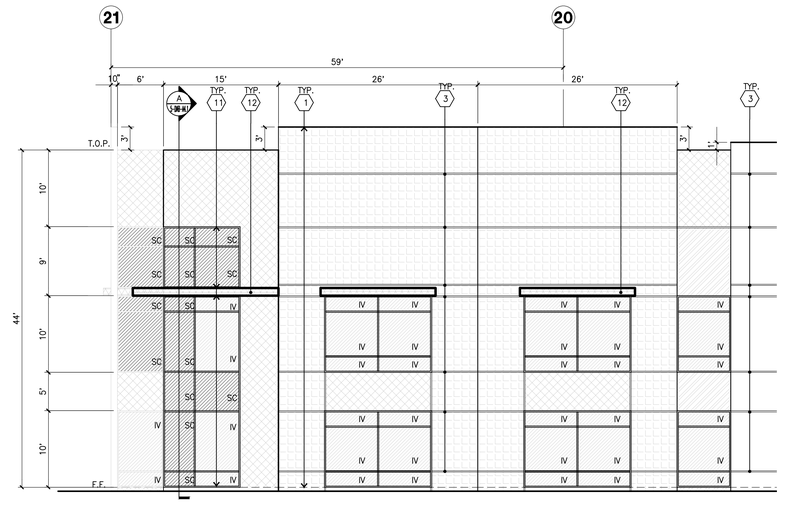
SOUTH ELEVATION A
scale: 1/16"=1'-0"



SOUTH ELEVATION (CONT.) B
scale: 1/16"=1'-0"



SOUTH ELEVATION C
scale: 1/16"=1'-0"



ENLARGED NORTH ELEVATION D
scale: 1/8"=1'-0"

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GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV : INSULATED VISION GLASS

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1/4" **VISTACOOL PACIFICA** + 1/4" **SOLARBAN 60** CLEAR
1" INSULATED GLASS UNIT WITH 1/2" AIRSPACE AND 1/4" LITES
U: **0.27** SHGC: **0.21** VLT: **28%**
MINIMUM VT TO BE 0.42 PER 2019 CEC TABLE 140.3-B

SC : SPANDREL WITH CONCRETE BEHIND
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V : VISION GLASS
1/4" **VISTACOOL PACIFICA**

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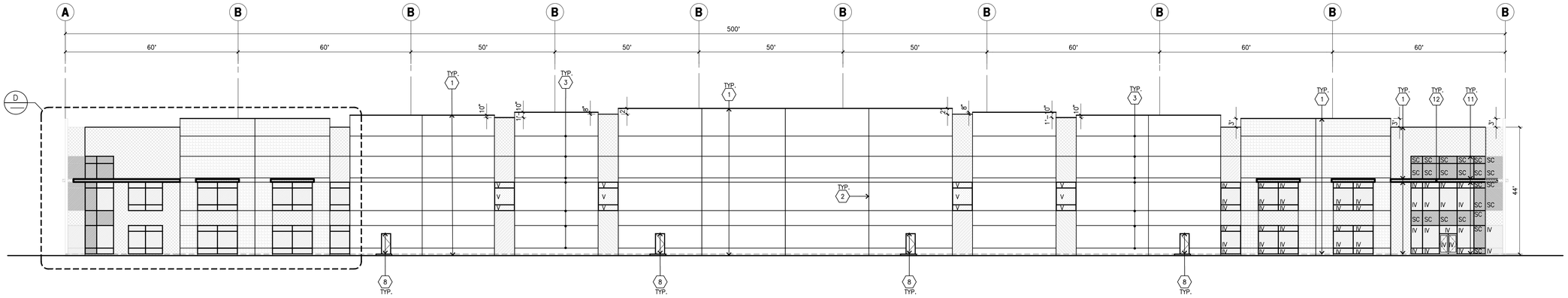
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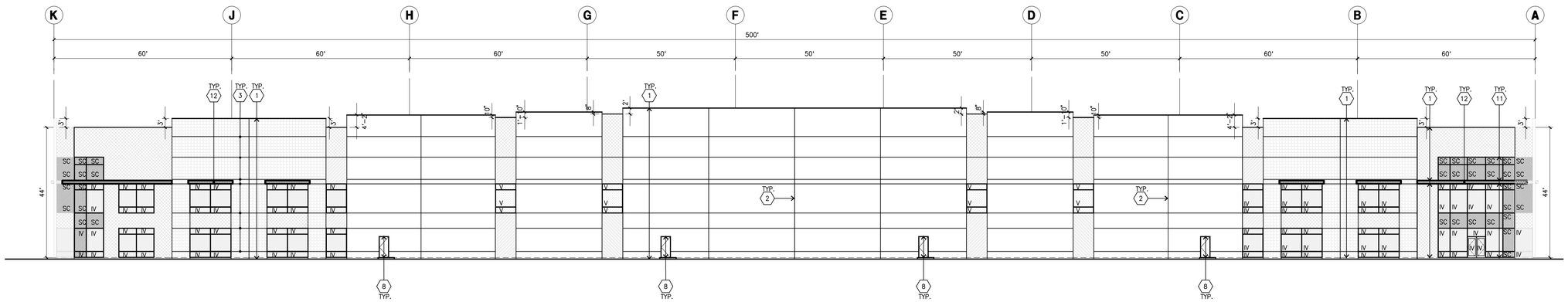
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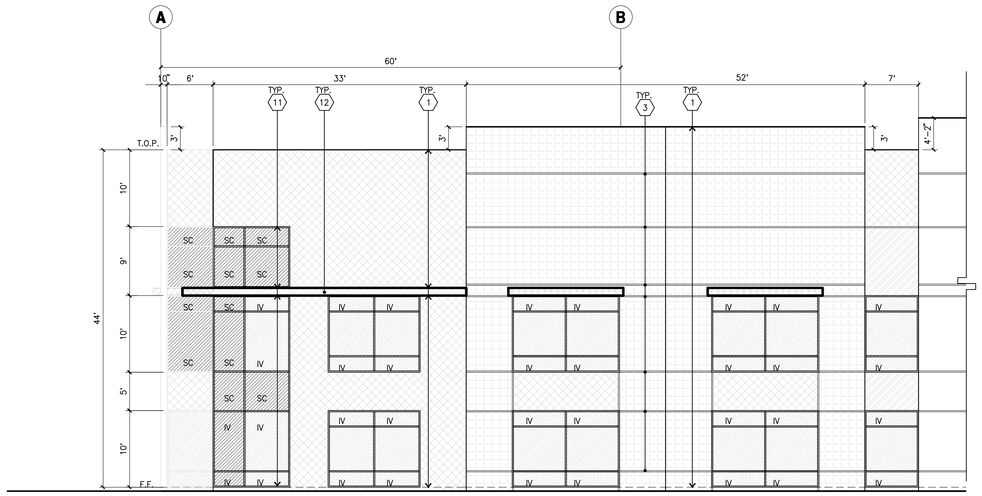
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WEST ELEVATION (A)
scale: 1/16"=1'-0"



EAST ELEVATION (B)
scale: 1/16"=1'-0"



ENLARGED WEST ELEVATION (D)
scale: 1/8"=1'-0"

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12. METAL CANOPY.
13. KNOCK-OUT PANEL.
14. INTERIOR ROOF DRAIN W/ 2 OVERFLOW SCUPPERS.
15. CONC. FILLED GUARD POST. 6" DIA. U.N.O., 42"H.
16. EXTERIOR LIGHTING FIXTURE.
17. APPROXIMATE LOCATION OF ADDRESS ON WALL.
18. EXTERIOR DOWN SPOUTS W/ 2 OVERFLOW SCUPPERS.

ELEVATION GENERAL NOTES

1. ALL PAINT COLOR CHANGES TO OCCUR AT INSIDE CORNERS UNLESS NOTED OTHERWISE.
2. ALL PAINT FINISHES ARE TO BE FLAT UNLESS NOTED OTHERWISE.
3. T.O.P. EL.= TOP OF PARAPET ELEVATION.
4. F.F. = FINISH FLOOR ELEVATION.
5. STOREFRONT CONSTRUCTION: GLASS, METAL ATTACHMENTS AND LINTELS SHALL BE DESIGNED TO RESIST -- MPH, EXPOSURE "C" WINDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL FULLY PAINT ONE CONCRETE PANEL W/ SELECTED COLORS. ARCHITECT AND OWNER SHALL APPROVE PRIOR TO PAINTING REMAINDER OF BUILDING.
7. BACK SIDE OF PARAPETS TO HAVE SMOOTH FINISH AND BE PAINTED WITH ELASTOMERIC PAINT.
8. FOR SPANDREL GLAZING, ALLOW SPACE BEHIND SPANDREL TO BREATH. PROVIDE 1" DIAMETER HOLES AT CONCRETE WALL.
9. USE ADHESIVE BACK WOOD STRIPS FOR ALL REVEAL FORMS.
10. THE FIRST COAT OF PAINT TO BE ROLLED-ON AND THE SECOND COAT TO BE SPRAYED-ON
11. ALL ROLL-UP DOORS AND SERVICE DOORS TO BE PAINTED TO MATCH BUILDING COLOR.

ELEVATION COLOR LEGEND/SCHED.

1. PAINT. COLOR : SW 7667 ZIRCON
2. PAINT. COLOR : SW 7670 GRAY SHINGLE
3. PAINT. COLOR : SW 7674 PEPPERCORN
4. PAINT. COLOR : SW 6243 DISTANCE
5. MULLIONS COLOR : BLACK ANODIZED
6. GLAZING COLOR : BLUE REFLECTIVE
7. METAL CANOPY: SHERWIN WILLIAMS ACRYLIC LATEX SYSTEMS HIGH GLOSS/HIGH PERFORMANCE SHERWIN WILLIAMS SW 7674 PEPPERCORI

GLAZING LEGEND

NOTE: ALL EXTERIOR AND INTERIOR GLAZING SHALL BE TEMPERED.

IV : INSULATED VISION GLASS
SC : SPANDREL GLASS WITH CONCRETE BEHIND
V : SINGLE LITE VISION GLASS

IV : INSULATED VISION GLASS
1/4" **VISTACOOL PACIFICA** + 1/4" **SOLARBAN 60** CLEAR
1" INSULATED GLASS UNIT WITH 1/2" AIRSPACE AND 1/4" LITES
U: **0.27** SHGC: **0.21** VLT: **26%**
MINIMUM VT TO BE 0.42 PER 2019 CEC TABLE 140.3-B

SC : SPANDREL WITH CONCRETE BEHIND
1/4" **VISTACOOL PACIFICA** WITH **HARMONY BLUE** OPACICOAT PAINTED ON REFLECTIVE, INSTALLED ON CONCRETE.

V : VISION GLASS
1/4" **VISTACOOL PACIFICA**

HPA architecture

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Owner:

BTC III ARROW ROUTE CC LP

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tel: (949) 892-4900

Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

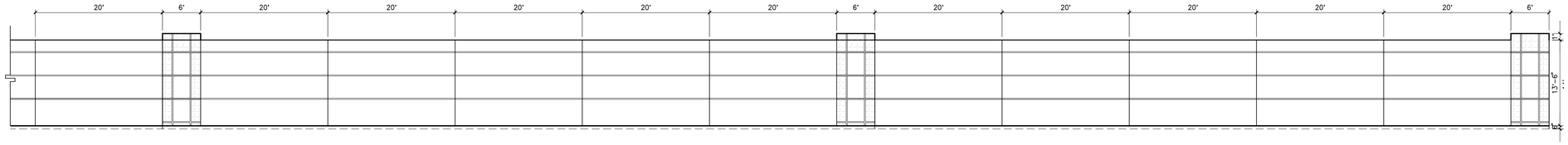
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Project Number: 21549
Drawn by: MW
Date: 02/06/2023
Revision:

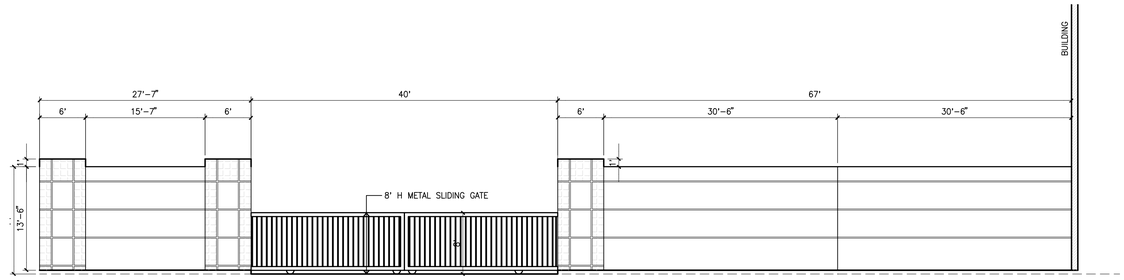
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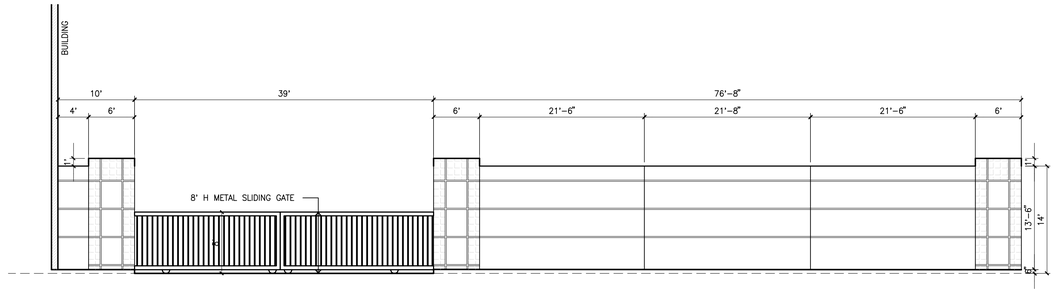
CAUTION: IF THIS SHEET IS NOT 30"X42" IT IS A REDUCED PRINT



SCREENWALL ELEVATION A
scale: 1/8" = 1'-0"



SCREENWALL ELEVATION B
scale: 1/8" = 1'-0"

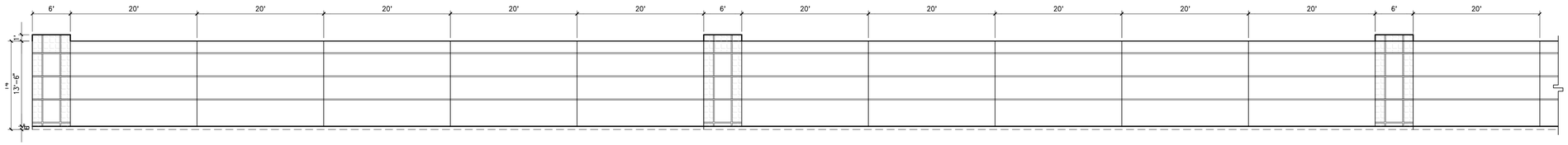


SCREENWALL ELEVATION C
scale: 1/8" = 1'-0"

COLOR LEGEND

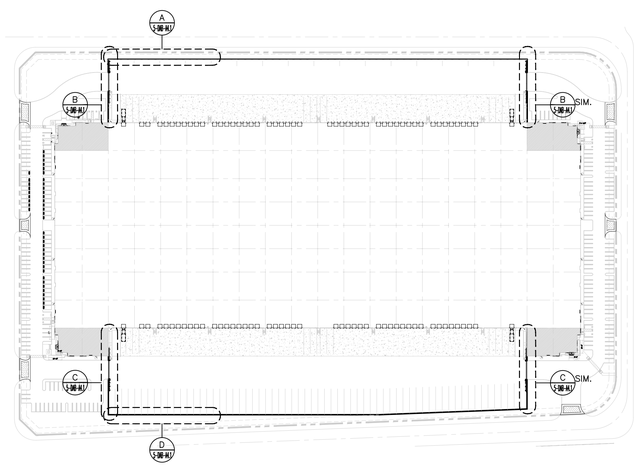
SHERWIN-WILLIAMS
SW 7667 ZIRCON
1

SHERWIN-WILLIAMS
SW 7670 GRAY SHINGLE
2



SCREENWALL ELEVATION D
scale: 1/8" = 1'-0"

KEYMAP



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Owner:

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Newport Beach, CA 92660

tel: (949) 892-4900

Project:

ARROW COMMERCE CENTER

ARROW RTE. & YELLOW WOOD RD.
RANCHO CUCAMONGA, CA 91739

Consultants:

Civil:	THIENES ENGINEERING
Structural:	-
Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

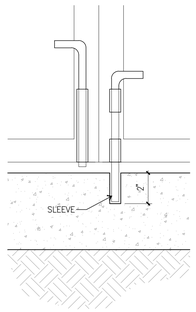
Title: SCREEN WALL

Project Number: 21549
Drawn by: MW
Date: 02/06/2023
Revision:

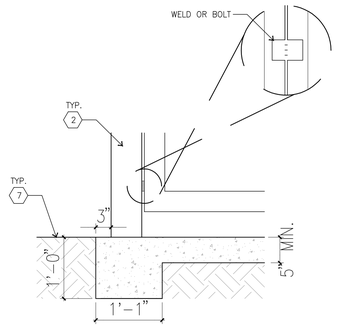
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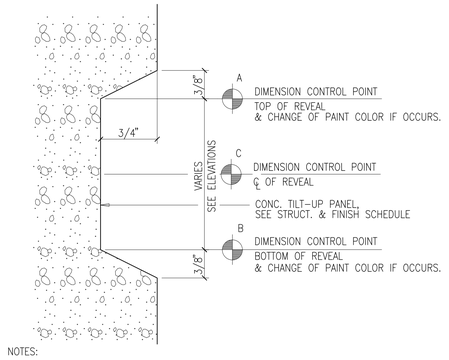
CAUTION: IF THIS SHEET IS NOT 30"X42" IT IS A REDUCED PRINT



SLEEVE DETAIL **E**
scale: N.T.S.

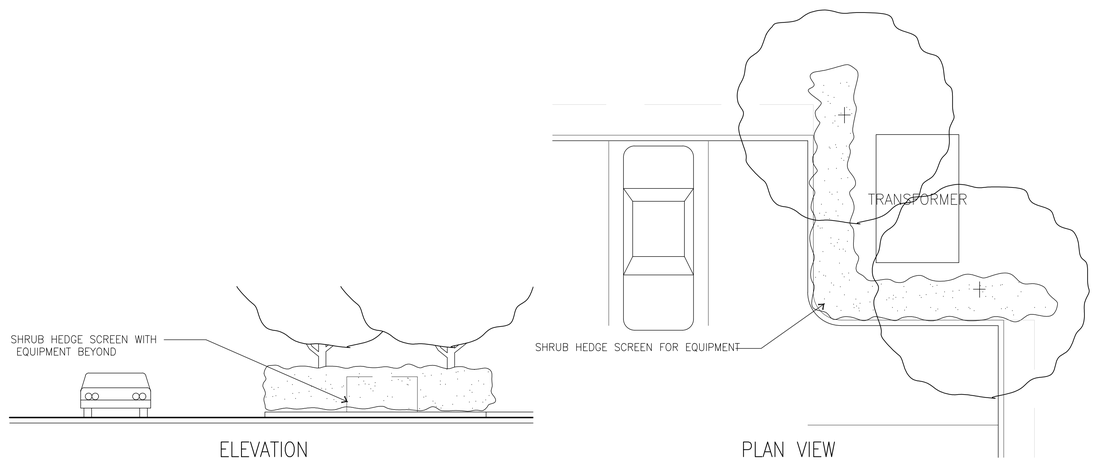


WALL FOOTING **D**
scale: N.T.S.

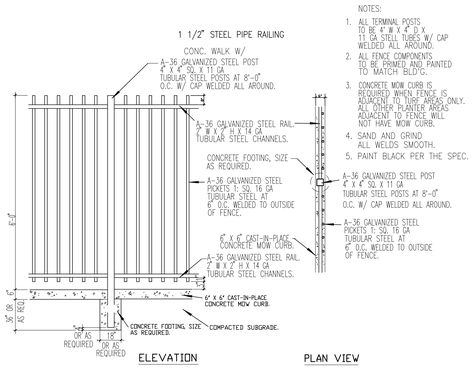


NOTES:
1. DIMENSION CONTROL POINTS AT REVEALS AND EDGE OF CONCRETE OPENINGS WHERE OCCUR, SEE WALL SECTIONS.
2. PAINT COLOR CHANGES TO ALWAYS OCCUR AT CONTROL POINT "A" OR "B"

TYP. CONCRETE REVEAL **C**
scale: N.T.S.

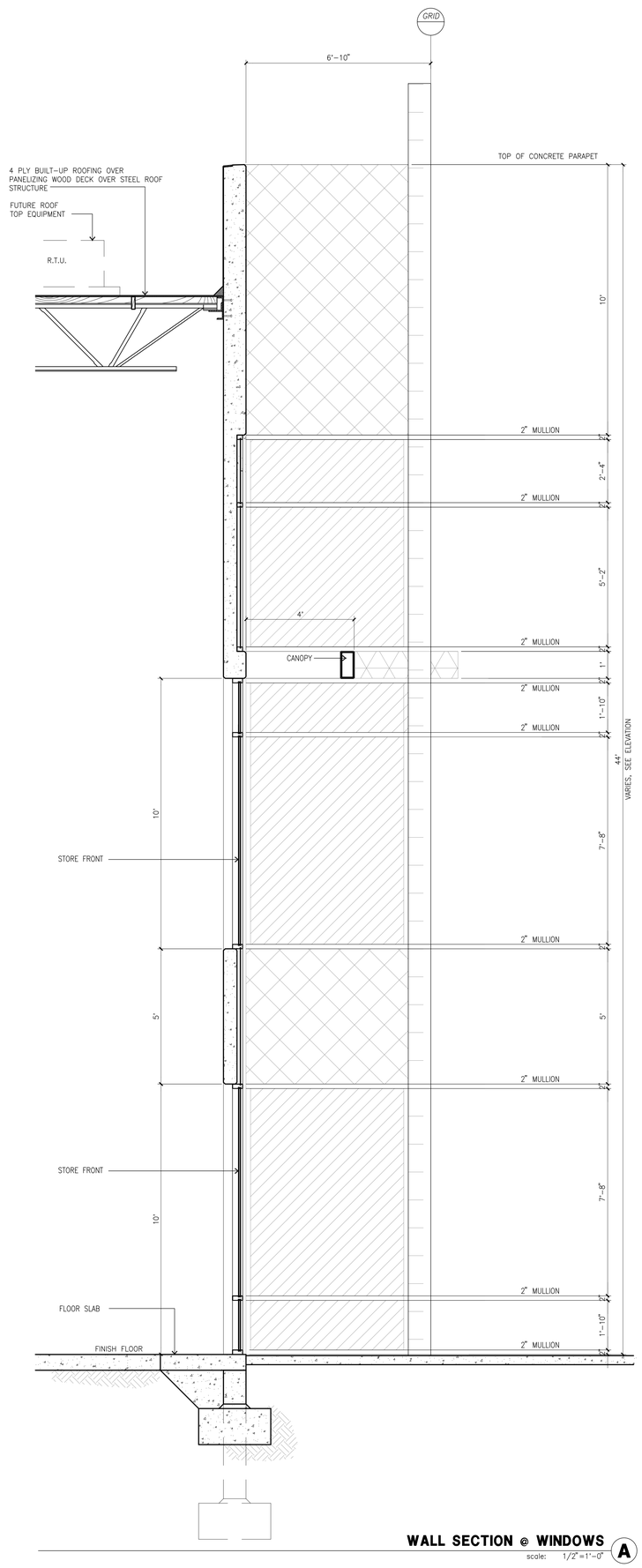


GROUND MOUNTED EQUIPMENT SCREENING, TYP. **F**
scale: N.T.S.



NOTES:
1. ALL TERMINAL POSTS TO BE 4" W X 4" D X 11 GA STEEL TUBES W/ CAP WELDED ALL AROUND.
2. ALL FENCE COMPONENTS TO BE PRIMED AND PAINTED TO MATCH BLD'G.
3. CONCRETE MOW CURB IS REQUIRED WHEN FENCE IS ADJACENT TO LINE AREAS ONLY. ALL OTHER PLANTER AREAS ADJACENT TO FENCE WILL NOT HAVE MOW CURB.
4. SAND AND GRIND ALL WELDS SMOOTH.
5. PAINT BLACK PER THE SPEC.

METAL FENCE DETAIL **B**
scale: 1/8" = 1'-0"



WALL SECTION @ WINDOWS **A**
scale: 1/2" = 1'-0"

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Mechanical:	-
Plumbing:	-
Electrical:	-
Landscape:	HUNTER LANDSCAPE
Fire Protection:	-
Soils Engineer:	-

Title:	Details
Project Number:	21549
Drawn by:	MW
Date:	02/06/2023
Revision:	

Sheet:

5-DAB-A4.2



North Elevation



West Elevation



South Elevation



East Elevation

Conceptual Building 1 Elevations - 32' Clear Ht.

ARROW ROUTE & YELLOW WOOD RD

Rancho Cucamonga, California | #21549 | 05.12. 2023

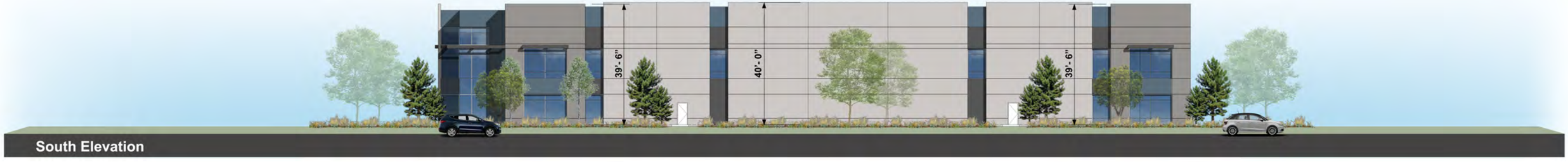
BTC III ARROW ROUTE CC LP



North Elevation



West Elevation



South Elevation



East Elevation

Conceptual Building 2 Elevations - 32' Clear Ht.

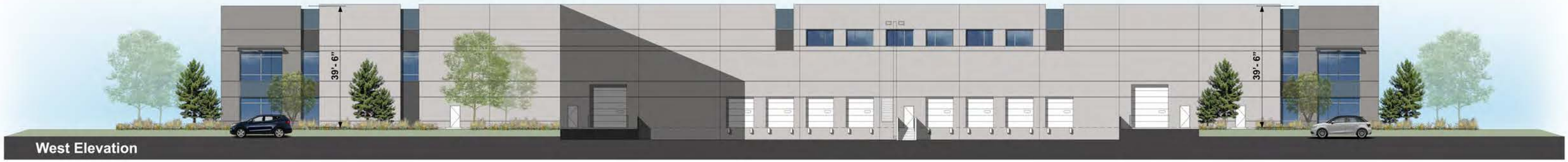
ARROW ROUTE & YELLOW WOOD RD

Rancho Cucamonga, California | #21549 | 05.12. 2023

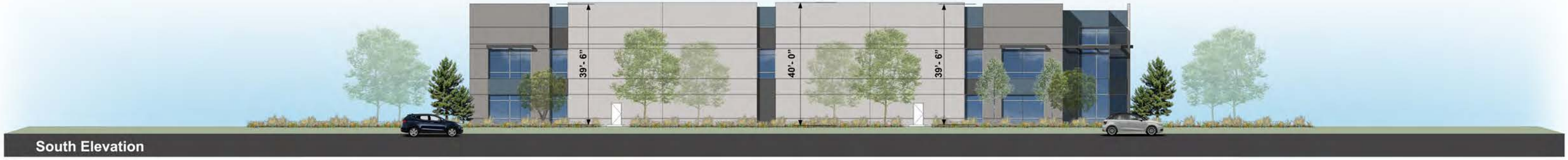
BTC III ARROW ROUTE CC LP



North Elevation



West Elevation



South Elevation



East Elevation

Conceptual Building 3 Elevations - 32' Clear Ht.

ARROW ROUTE & YELLOW WOOD RD

Rancho Cucamonga, California | #21549 | 05.12 2023

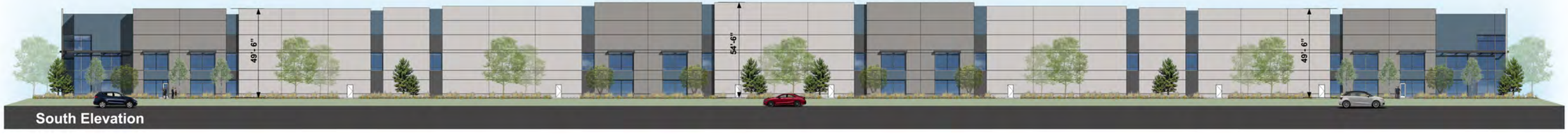
BTC III ARROW ROUTE CC LP



North Elevation



West Elevation



South Elevation



East Elevation

Conceptual Building 4 Elevations - 42' Clear Ht.

ARROW ROUTE & YELLOW WOOD RD

Rancho Cucamonga, California | #21549 | 05.12. 2023

BTC III ARROW ROUTE CC LP



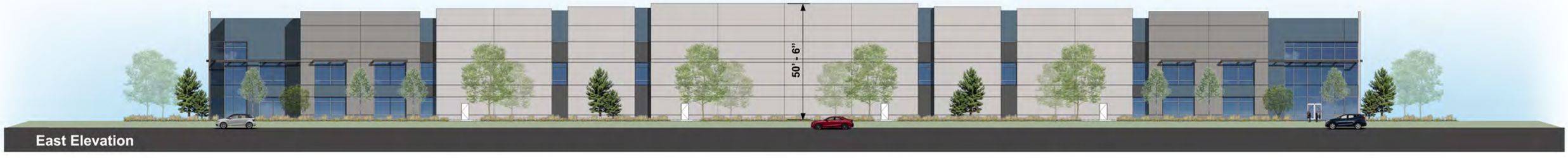
North Elevation



West Elevation



South Elevation



East Elevation

Conceptual Building 5 Elevations - 40' Clear Ht.

ARROW ROUTE & YELLOW WOOD RD

Rancho Cucamonga, California | #21549 | 05.12. 2023

BTC III ARROW ROUTE CC LP

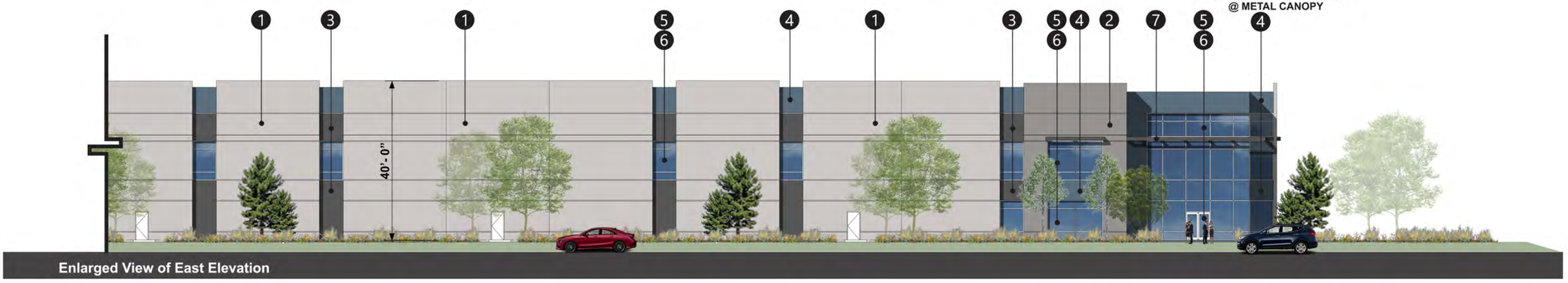


South Elevation



East Elevation





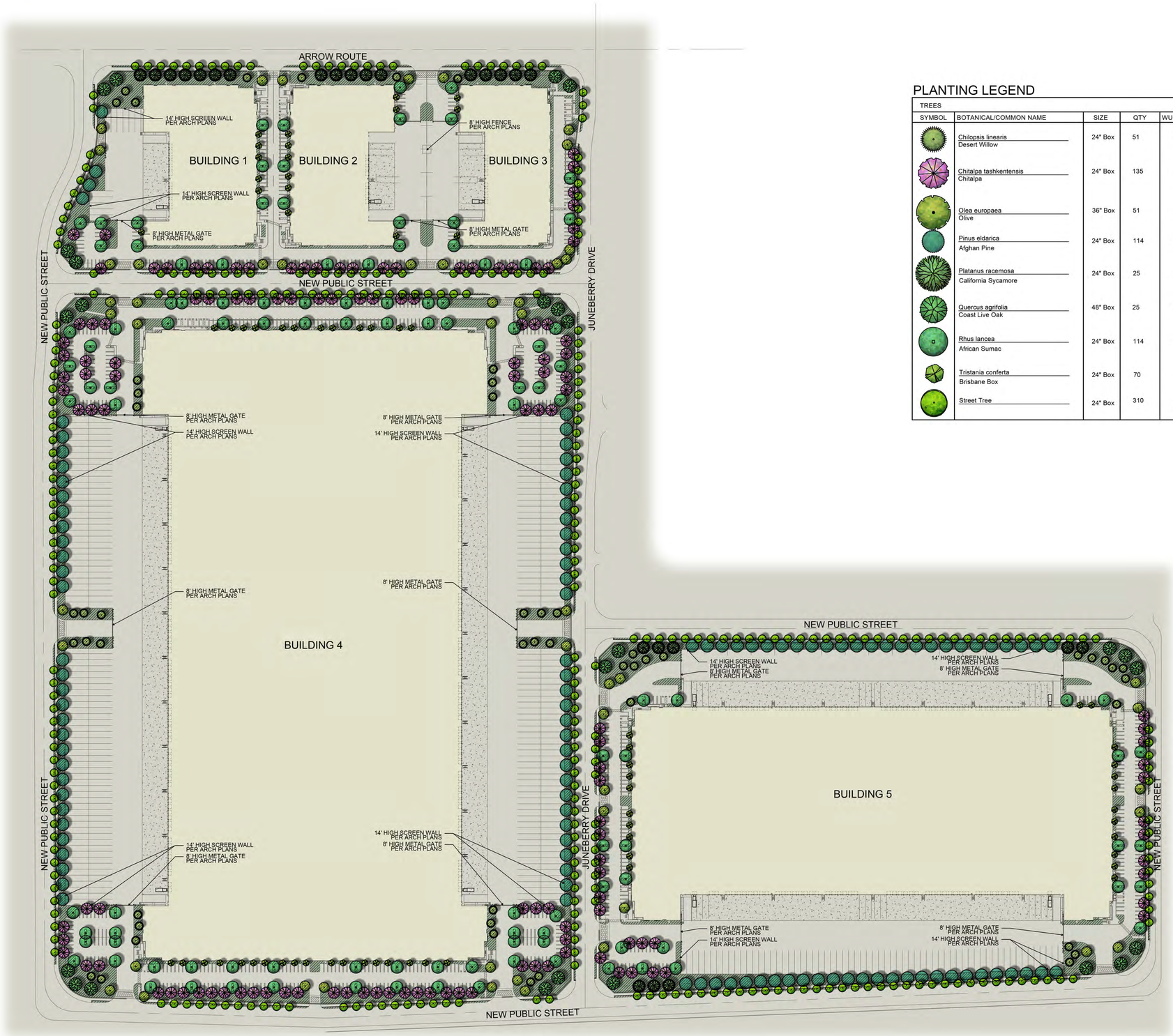
Enlarged View of East Elevation

Building 1 Conceptual Elevations and Material Board

ARROW ROUTE & YELLOW WOOD RD

Rancho Cucamonga, California | #21549 | 05.12. 2023

BTC III ARROW ROUTE CC LP



PLANTING LEGEND

TREES

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Chilopsis linearis Desert Willow	24" Box	51	L	Multi
	Chitalpa tashkentensis Chitalpa	24" Box	135	L	Standard
	Olea europaea Olive	36" Box	51	L	Multi
	Pinus eldarica Afghan Pine	24" Box	114	L	
	Platanus racemosa California Sycamore	24" Box	25	M	Multi
	Quercus agrifolia Coast Live Oak	48" Box	25	M	Multi
	Rhus lancea African Sumac	24" Box	114	L	Standard
	Tristania conferta Brisbane Box	24" Box	70	M	Standard
	Street Tree	24" Box	310	L	Street Tree

SHRUBS

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Callistemon 'Little John' Dwarf Callistemon	5 Gal	192	L	
	Dietes bicolor Fortnight Lily	5 Gal	28	M	
	Feijoa sellowiana Pineapple Guava	5 Gal	484	M	
	Heteromeles arbutifolia Toyon	5 Gal	74	L	
	Leucophyllum f. 'Green Cloud' Texas Ranger	5 Gal	238	L	
	Pennisetum orientale Oriental Fountain Grass	5 Gal	101	L	
	Pennisetum s. 'Rubrum' Purple Fountain Grass	5 Gal	45	L	
	Rosmarinus o. 'Tuscan Blue' Rosemary	5 Gal	175	L	
	Salvia greggii Autumn Sage	5 Gal	197	L	
	Senna artemisioides Feathery Cassia	5 Gal	206	L	
	Westingia fruticosa Coast Rosemary	5 Gal	221	L	

ACCENTS

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Agave americana Century Plant	5 Gal	18	L	
	Echiveria 'Afterglow Echiveria	1 Gal	80	L	
	Agave villmoriniana Agave	5 Gal	3	L	
	Dasylerion wheeleri Desert Spoon	5 Gal	4	L	
	Hesperaloe parviflora Red Yucca	5 Gal	31	L	

GROUNDCOVER

SYMBOL	BOTANICAL/COMMON NAME	SIZE	SPACING	WUCOLS	REMARKS
	Acacia redolens 'Low Boy' Acacia	1 Gal	6' O.C.	L	
	Baccharis pilularis Coyote Bush	1 Gal	30" O.C.	L	
	Pennisetum 'Little Bunny' Little Bunny Fountain Grass	1 Gal	18" O.C.	L	
	Pennisetum s. 'Orientale' Fountain Grass	1 Gal	36" O.C.	L	
	Pennisetum s. 'Rubrum' Fountain Grass	1 Gal	36" O.C.	L	
	Myoporum pacificum Myoporum	1 Gal	4' O.C.	L	
	Lonicera j 'Halliana' Hall's Honeysuckle	1 Gal	30" O.C.	L	
	Rosa 'Flower Carpet' Red Carpet Rose	1 Gal	30" O.C.	L	

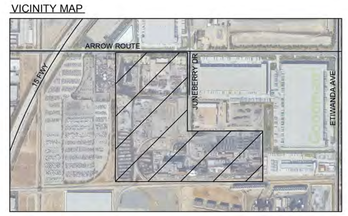
NOTES:

1. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING STREET TREES, SHALL BE INSTALLED PER THE PUBLIC IMPROVEMENT PLAN.

N

0 50' 100' 200'

VICINITY MAP



N

N.T.S

Juneberry and Arrow Route

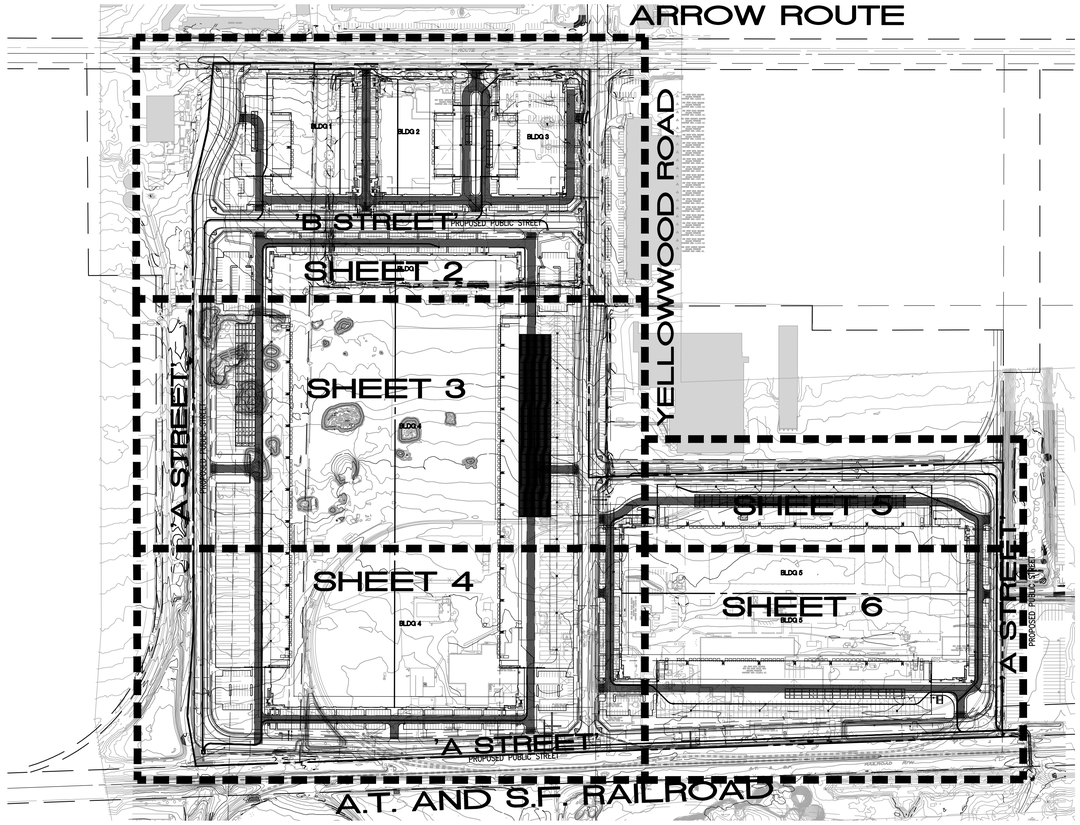
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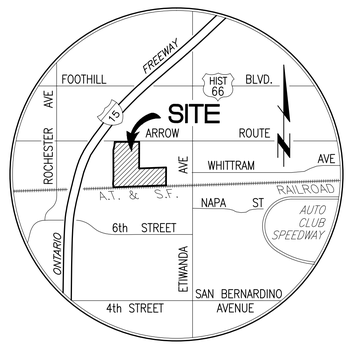
Rancho Cucamonga, California

HUNTER LANDSCAPE
711 FEE ANA STREET PLACENTIA, CA 92870
714.986.2400 FAX 714.986.2408

CONCEPTUAL GRADING & DRAINAGE PLAN

ARROW ROUTE
AND
YELLOWWOOD ROAD





VICINITY MAP
N.T.S.

0 100 200 400 600
SCALE:1"=200'

LEGEND

- EXIST. FIRE HYDRANT
- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS VALVE
- GUY WIRE/DEADMAN
- EXIST. POWER POLE
- EXIST. TRAFFIC SIGNAL
- EXIST. CROSSWALK SIGNAL
- STREET LIGHTING BOX
- EXIST. STREET LIGHT
- EXIST. STORM DRAIN M.H.
- EXIST. SEWER MANHOLE
- EXIST. VAULT
- EXIST. SIGN
- TREE
- EXIST. TRAFFIC SIGNAL BOX
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TELEPHONE MANHOLE
- EXIST. GRADE ELEVATION
- EXIST. CABLE TV CONDUIT
- EXIST. EDGE OF A.C. PAVEMENT
- EXIST. TELEPHONE CONDUIT
- EXIST. WATER LINE
- EXIST. CONTOUR
- PROPOSED CONTOUR
- PROPERTY LINE
- EASEMENT
- PROPOSED EDGE OF PAVEMENT
- STORM DRAIN EASEMENT
- FUTURE CURB & GUTTER (FOR REFERENCE ONLY)
- SHEET MATCHLINE
- PROPOSED SEWER & MANHOLE SIZE PER PLAN
- PROPOSED WATER & METER SIZE PER PLAN
- PROPOSED OFFSITE SEWER (FOR REFERENCE ONLY)
- PROPOSED OFFSITE R.W. (FOR REFERENCE ONLY)
- NEW FIRE HYDRANT
- NEW WATER METER
- NEW WATER VALVE
- NEW THRUST BLOCK
- NEW SEWER MANHOLE
- NEW SEWER CLEAN OUT
- NEW CATCH BASIN
- EXIST. CURB AND GUTTER
- EXIST. SANITARY SEWER
- EXIST. STORM DRAIN
- EXIST. GAS LINE

ABBREVIATIONS

℄	—PROPERTY LINE	C.F.	—CURB FACE
R/W	—RIGHT OF WAY	B.W.	—BACK OF WALK
℄	—CENTERLINE	A.B.	—AGGREGATE BASE
T.C.	—TOP OF CURB	P.V.C.	—POLYVINYLCHLORIDE
F.L.	—FLOW LINE	C.I.P.	—CAST IRON PIPE
F.S.	—FINISH SURFACE	F.H.	—FIRE HYDRANT
T.S.	—TOP OF CONCRETE SLAB	P.P.	—POWER POLE
H.P.	—HIGH POINT	C.B.	—CATCH BASIN
F.F.	—FINISH FLOOR	R=	—RATE OF GRADE
R.D.	—ROOF DRAIN	B.C.R.	—BEGINNING OF CURVE
R.C.P.	—REINFORCED CONC. PIPE	E.C.R.	—END OF CURVE
INV.	—INVERT	L.P.	—LOW POINT
S =	—SLOPE	T.O.P.	—TOP OF PIPE
F.G.	—FINISH GRADE	B.O.P.	—BOTTOM OF PIPE
S.D.	—STORM DRAIN	R	—RATE OF GRADE
ST.LT.	—STREET LIGHT	T.F.	—TOP OF FOOTING
G.B.	—GRADE BREAK	T.W.	—TOP OF WALL
H.P.	—HIGH POINT	A.C.	—ASPHALT CONCRETE
C.M.B.	—CRUSHED MISC. BASE	C.L.F.	—CHAIN LINK FENCE
S.F.	—SQUARE FEET	CONC.	—CONCRETE
(0.00)	—EXISTING ELEVATION	H.C.	—HANDICAP
B.O.W.	—BOTTOM OF WALL	EXIST.	—EXISTING
T.G.	—TOP OF GRATE	TRANS PAD	—TRANSFORMER PAD
N.G.	—NATURAL GRADE	BLDG	—BUILDING
TOP	—TOP OF SLOPE	M.H.	—MANHOLE
TOE	—TOE OF SLOPE	T.B.	—TOP OF BERM
E.P.	—EDGE OF PAVEMENT	W.S.E.	—WATER SURFACE ELEVATION

2/22/2023

EARTHWORK BALANCE CALCULATIONS

PROJECT: Black Creek- Arrow Route
JOB# 4021

K.	SITE AREA:	4,314,910	SF
L.	SUBSIDENCE FACTOR:	0.100	
M.	SHRINKAGE FACTOR:	8.0	%
N.	SITE STRIPPING FACTOR:	0.04	
O.	OVEREXCAVATION:	295,649	CY
A.	CALCULATED CUT:	229,877	CY
B.	FOOTING AND UTILITY SPOILS	**20,050**	CY
B1.	OFFSITE SPOILS (STREET AND STORM DRAIN)	**5,000**	
C.	**TOTAL CUT: (A+B)**	**254,927**	CY
D.	CALCULATED FILL:	188,507	CY
E.	LIGHT PAVING FILL:	-	CY
F.	SUBSIDENCE: (LxK)/27=	15,981	CY
G.	SHRINKAGE: (M/100)C=	20,394	CY
H.	SITE STRIPPING	6,392	
I.	OVEREXCAVATION SHRINKAGE	23,652	CY
J.	**TOTAL FILL: (D+E+F+G+H)=**	**254,927**	CY
K.	**TOTAL (IMPORT) OR EXPORT:**	** **0**	CY

**GRADING BOND WILL BE REQUIRED

NOTE: EARTHWORK FIGURES SHOWN ARE APPROXIMATE FIGURES, AND ARE TO BE USED BY BUILDING DEPARTMENT ONLY. CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES AND BID A COMPLETE JOB.

UTILITY PURVEYORS:

SEWER & WATER:
CUCAMONGA VALLEY WATER DISTRICT
10440 ASHFORD STREET
RANCHO CUCAMONGA, CA 91730-0638
(909) 987-2591

ELECTRICAL:
SCE SOUTHERN CALIFORNIA EDISON – RANCHO CUCAMONGA
9500 CLEVELAND AVE, STE 100
RANCHO CUCAMONGA, CA 91730
(909) 930-8483

GAS:
SOUTHERN CALIFORNIA GAS COMPANY – REDLANDS
1981 W. LUGONIA AVENUE, P.O. BOX 3003
REDLANDS, CA 92374-9720
(909) 335-7851

PHONE:
VERIZON – EAST DIVISION
1400 E. PHILLIPS BOULEVARD
POMONA, CA 91766
(909) 469-6369

CABLE:
TIME WARNER – CERRITOS
17777 CENTER COURT DRIVE, 8TH FLOOR
CERRITOS, CA 90703
(858) 761-7645

OWNERSHIP INFORMATION:

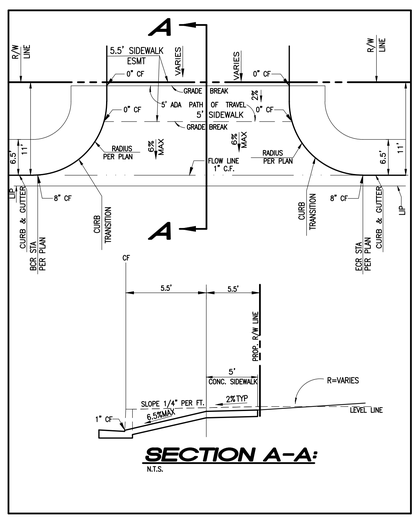
DEVELOPER:
BTC III ARROW ROUTE CC LP

APN: 0229-121-33
OWNER: TAMCO
ADDRESS: 12353 ARROW RTE

APN: 0229-121-34
OWNER: TAMCO
ADDRESS: 12343 ARROW RTE

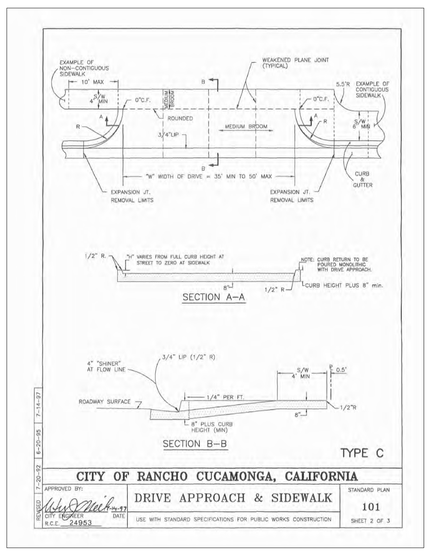
APN: 0229-121-35
OWNER: CMC STEEL FABRICATORS, INC
ADDRESS: 12451 ARROW RTE

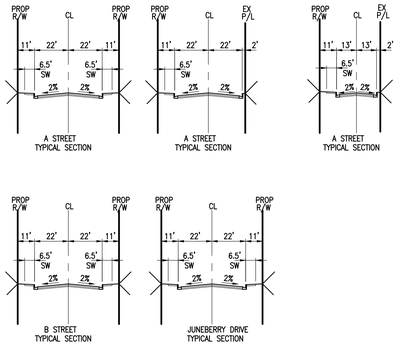
APN: 0229-131-19
OWNER: TAMCO
ADDRESS: 12455 ARROW RTE



SECTION A-A:
N.T.S.

CITY STANDARD 101 'TYPE C' MODIFIED





DRAWING INDEX:

SHEET 1 – CONCEPTUAL GRADING TITLE SHEET
SHEET 2–6 – CONCEPTUAL GRADING PLAN
SHEET 7–11 – CONCEPTUAL STORM DRAIN PLAN
SHEET 12–15 – CONCEPTUAL BMP SITE MAP
SHEET 16–20 – CONCEPTUAL UTILITY PLAN
SHEET 21–23 – CONCEPTUAL SEWER PROFILES
SHEET 24–25 – CONCEPTUAL RETAINING WALL PROFILES
SHEET 26–28 – STREET CENTERLINE PROFILES
SHEET 29 – CUT FILL MAP

BENCHMARK:

CITY OF RANCHO CUCAMONGA BENCHMARK NO. "10016"
FOUND 2" BRASS DISK STAMPED "SBCS BM NO. 700-25 1968" IN SOUTH END OF THE WEST CONCRETE BRIDGE ABUTMENT OF A STEEL GIRDER BRIDGE ACROSS THE ETIWANDA FLOOD CHANNEL 0.2 MILES EAST OF FREEWAY NO. 15, 8 FEET SOUTH OF SOUTH RAIL.

ELEVATION = 1128.056' (NGVD '29 / 1987 ADJ.)

Last Update: 4/27/23
O:\4000-4099\4021\4021CGP01-TITLE.dwg

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH:(714)521-4811 FAX:(714)521-4173

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL GRADING TITLE SHEET

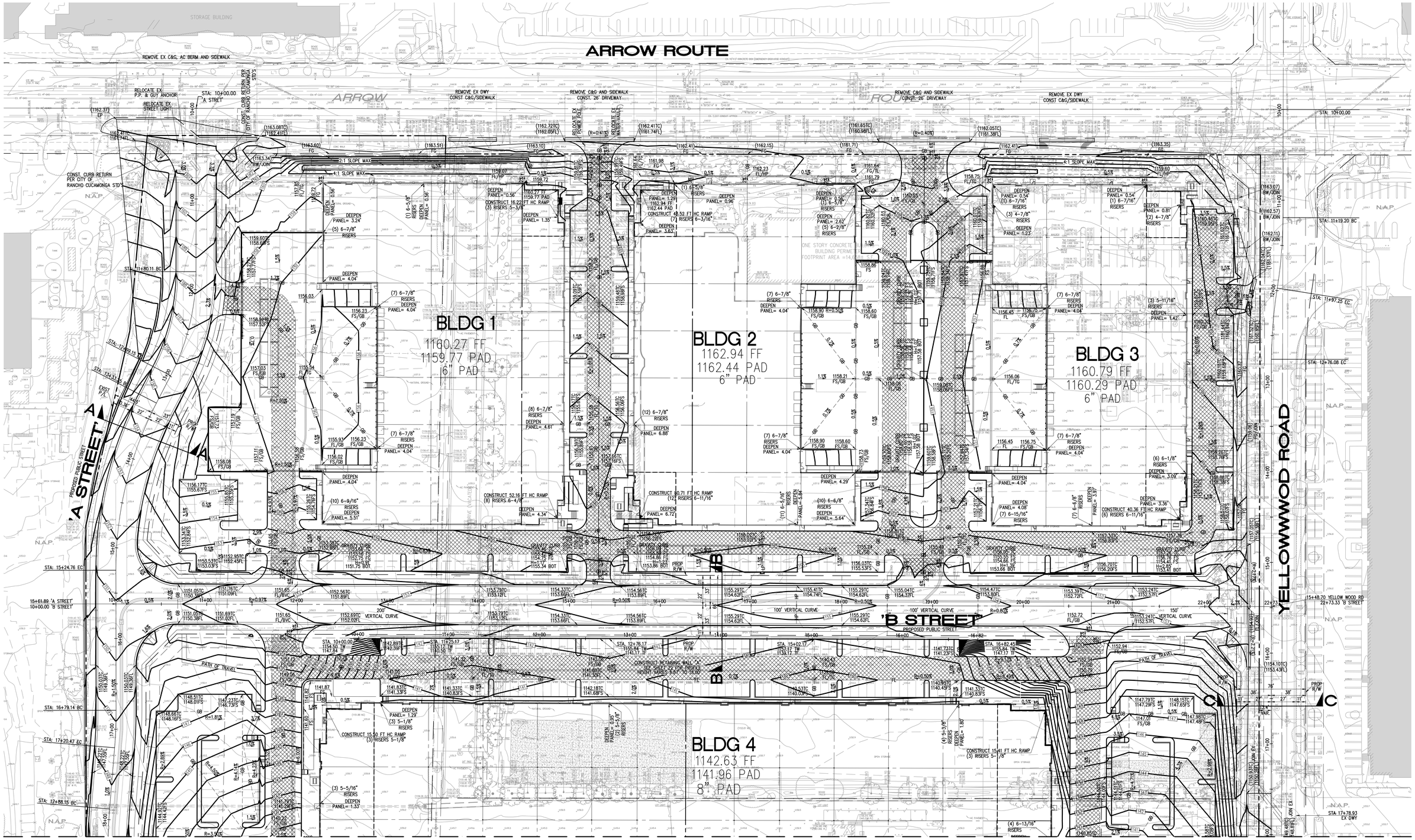
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Approved by _____ Date _____
Date _____
Checked by _____
Date _____
Designed by _____ Public Works Director _____ R.C.E. XXXXX
Date _____
Checked by _____
Date _____

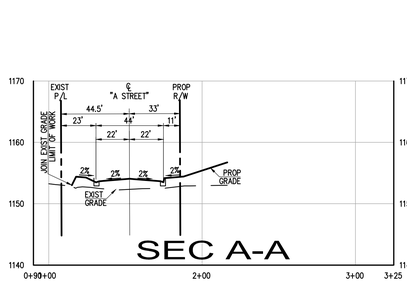
Sheet 1 of 29 Sheets

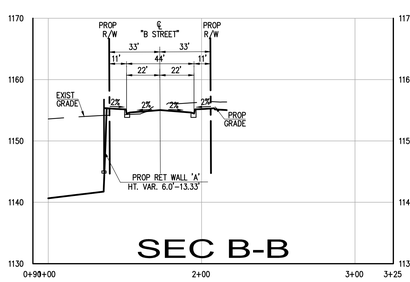
4021/ 1 OF 29 SHEET

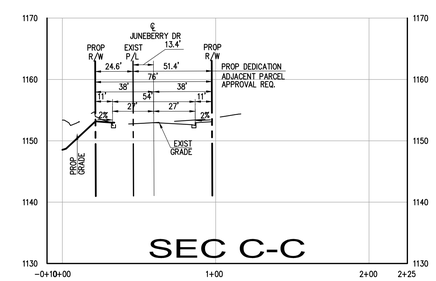
ARROW ROUTE

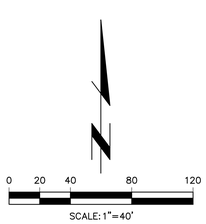


SEE SHEET 3









PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
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chris.sanford@blackcreekgroup.com

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PH.(714)521-4811 FAX(714)521-4173
Last Update: 2/22/23
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL GRADING PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director R.C.E. XXXXX

Sheet 2 of 29 Sheets

4021/ 2 OF 29 SHEET

SEE SHEET 2

BLDG 4
1142.63 FF
1141.96 PAD
8" PAD

'A STREET'
PROPOSED PUBLIC STREET

YELLOWWOOD ROAD
PROPOSED PUBLIC STREET

STA: 18+29.47 EC
STA: 18+19.11 BC
STA: 18+51.53 EC
STA 19+00.00 BEGIN TRANSITION
STA 19+78.72 END TRANSITION
STA 19+89.01 EX DWY
STA: 20+35.96 BC
STA: 20+67.81 EC
STA: 23+55.70 PI
STA: 24+81.78 EXIST P/L ANGL PT

LIMIT OF PONDING MAX DEPTH = 0.70 VOLUME = 32,512 CF

N.A.P.

SEE SHEET 5

SEE SHEET 4

SEC D-D

SEC E-E

SEC F-F

SEC G-G

SCALE: 1"=40'

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
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PHONE: (949) 892-4900
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Last Update:10/13/21
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL GRADING PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 3 of 29 Sheets

4021/ 3 OF 29 SHEET

SEE SHEET 3

SEE SHEET 6

BLDG 4
1142.63 FF
1141.96 PAD
8" PAD

'A STREET'
PROPOSED PUBLIC STREET

YELLOWWOOD ROAD
PROPOSED PUBLIC STREET

A.T. & S.F. RAILROAD R/W

ONE STORY METAL BUILDING
FOOTPRINT AREA =1,158± S.F.

ONE STORY METAL BUILDING
FOOTPRINT AREA =1,351± S.F.

PONDING DEPTH (FT.)	LEGEND
1.20	
0.90	
0.60	
0.30	

SEC H-H

SEC I-I

SEC J-J

0 20 40 80 120
SCALE: 1"=40'

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BTC III ARROW ROUTE CC LP
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Last Update:10/13/21
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL GRADING PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Approved by _____ Date _____
Date _____
Checked by _____
Date _____
Designed by _____
Date _____
Checked by _____
Date _____

Public Works Director R.C.E. XXXXX

Sheet 4 of 29 Sheets

4021/ 4 OF 29 SHEET

SEE SHEET 3

PONDING DEPTH (FT.)	LEGEND
0.80	
0.60	
0.40	
0.20	

'A STREET'
PROPOSED PUBLIC STREET

100' VERTICAL CURVE

STA. 664+78.82 EC

STA: 65+61.81 BC

E PT. WALL "C"
STA. 10+27.00
1141.86 TW
1128.62 TF

BEGIN WALL "C"
STA. 10+00.00
1134.62 TW
1128.62 TF

STA. 11+55.00
1142.62 TW
1128.62 TF

CONSTRUCT RETAINING WALL "C"
SEE SHEET 23 FOR PROFILE
HEIGHT VARIES 3.33' TO 14.67'

STA. 14+75.00
1142.62 TW
1128.62 TF

STA. 17+31.00
1141.29 TW
1128.62 TF

ANGLE PT. WALL "C"
STA. 19+23.00
1142.62 TW
1128.62 TF

END WALL "C"
STA. 19+49.91
1132.62 TW
1129.29 TF

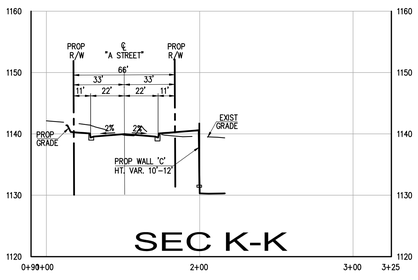
LIMIT OF PONDING
MAX DEPTH = 0.80 VOLUME = 29,212.03

CONSTRUCT 7.00 FT HC RAMP
(1) RISERS: 6-15/16"

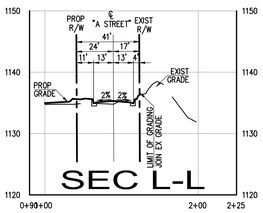
1135.41 FF
1134.74 PAD
8" PAD
BLDG 5

SEE SHEET 6

SEC K-K



SEC L-L



0 20 40 80 120
SCALE: 1"=40'

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL GRADING PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director R.C.E. XXXXX

Sheet 5 of 29 Sheets

4021/ 5 OF 29 SHEET

SEE SHEET 5

SEE SHEET 4

BLDG 5
1135.41 FF
1134.74 PAD
8" PAD

ONE STORY METAL BUILDING
BUILDING PERIMETER
FOOTPRINT AREA =12,705± S.F.

ONE STORY METAL BUILDING
WITH TWO STORY OFFICE AREA
BUILDING PERIMETER
FOOTPRINT AREA = 31,271± S.F.

LIMIT OF PONDING
MAX DEPTH = 1.40 VOLUME = 66,634.58

'A STREET'
PROPOSED PUBLIC STREET

100' VERTICAL CURVE

CONSTRUCT 34.00 FT HC RAMP
(5) RISERS 6-6/8"

GRAVITY CURB

N.A.P.

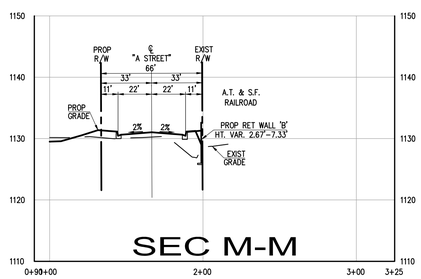
STA: 58+72.74 EC

STA: 36+96.27

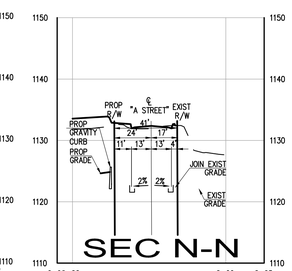
WALL B – SEE PROFILE SHEET 22
CONST. 2695.81 L.F. RET. WALL
AREA: 11,743 SF – HEIGHT VARIES: 2.67 TO 7.33'

A.T. & S.F. RAILROAD R/W

PONDING DEPTH (FT.)	LEGEND
1.40	
1.05	
0.70	
0.35	



SEC M-M



SEC N-N

0 20 40 80 120
SCALE: 1"=40'

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blockcreekgroup.com

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PH:(714)521-4811 FAX:(714)521-4173
Last Update:10/13/21
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL GRADING PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Approved by _____ Date _____
Date _____
Checked by _____
Date _____
Designed by _____
Date _____
Checked by _____
Date _____
Public Works Director R.C.E. XXXXX

Sheet 6 of 29 Sheets

4021/ 6 OF 29 SHEET

ARROW ROUTE

YELLOWWOOD ROAD

'A STREET'

'B STREET'

BLDG 1

BLDG 2

BLDG 3

BLDG 4

SEE SHEET 8

VICINITY MAP
N.T.S.

SCALE: 1"=40'

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
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PH:(714)521-4811 FAX(714)521-4173
Last Update:10/13/21
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL STORM DRAIN PLAN

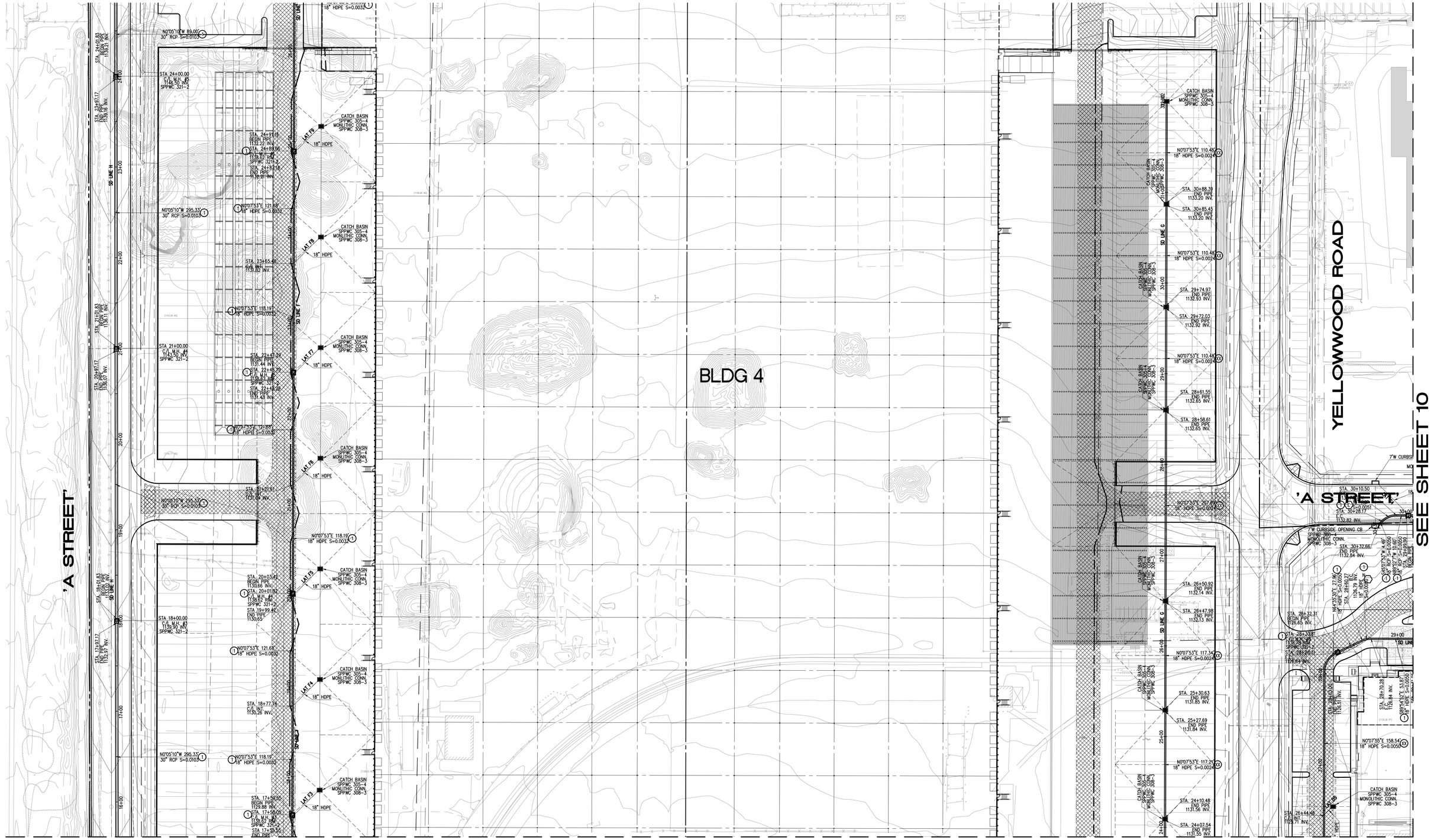
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____
Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

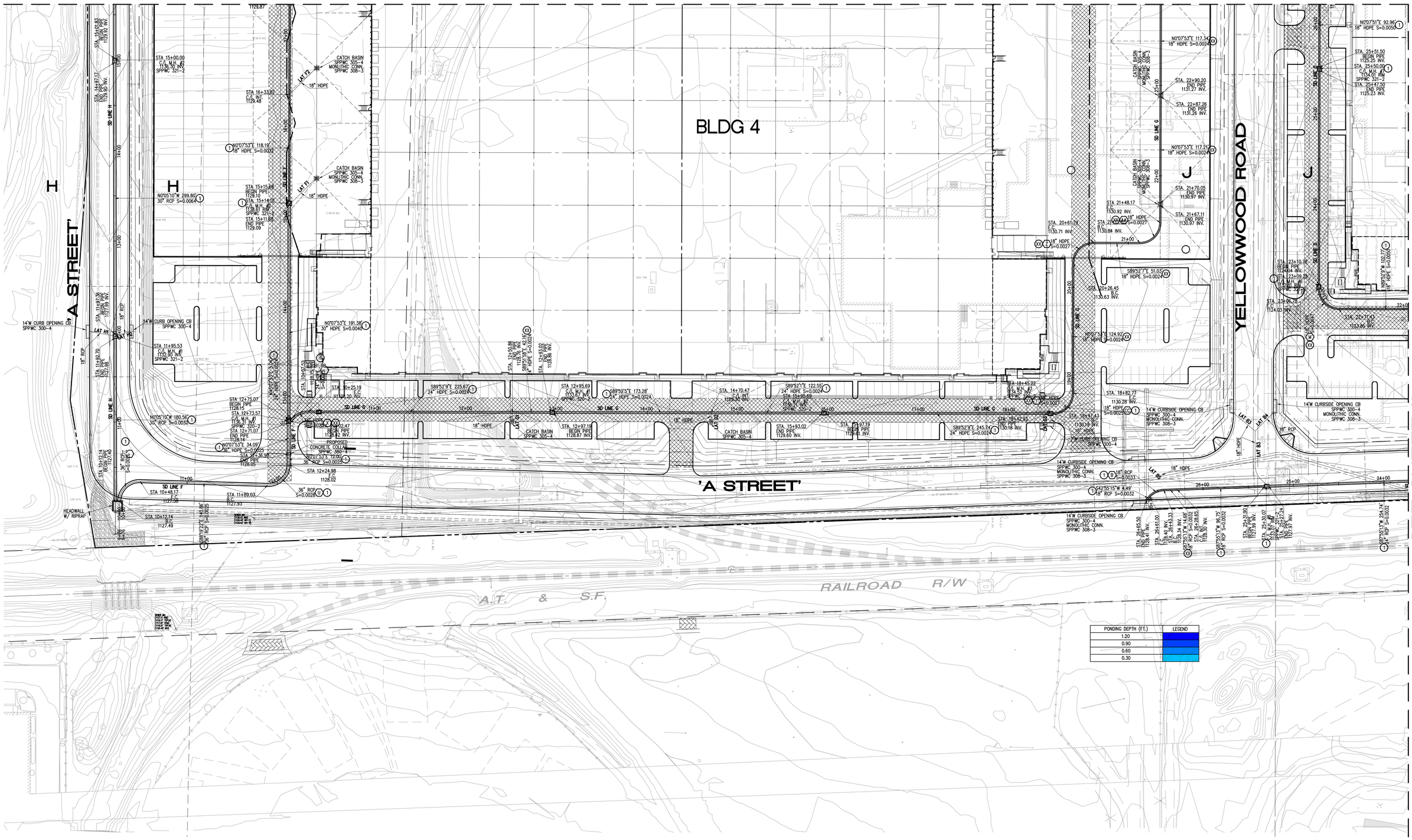
Sheet 7 of 29 Sheets

4021/ 7 OF 29 SHEET

SEE SHEET 7


BLDG 4
'A STREET'
YELLOWWOOD ROAD
SD LINE H
SD LINE G
SD LINE F
SD LINE E
LAT F8
LAT F7
LAT F6
LAT F5
LAT F4
LAT F3
CATCH BASIN SPPWC 305-4 MONOLITHIC CONN. SPPWC 308-3
18" HDPE
STA 24+00.00 C/L M.H. #5 1148.50 INV. SPPWC 321-2
STA 21+00.00 C/L M.H. #4 1143.50 INV. SPPWC 321-2
STA 18+00.00 C/L M.H. #3 1139.50 INV. SPPWC 321-2
STA 20+03.48 BEGIN PIPE 1130.66 INV.
STA 20+01.82 C/L M.H. #2 1138.82 INV. SPPWC 321-2
STA 19+99.66 END PIPE 1130.65
STA 17+58.05 BEGIN PIPE 1129.88 INV.
STA 17+56.08 C/L M.H. #1 1140.82 INV. SPPWC 321-2
STA 17+28.55 END PIPE
STA 24+91.18 BEGIN PIPE 1132.22 INV.
STA 24+89.66 C/L M.H. #5 1148.50 INV. SPPWC 321-2
STA 24+32.18 END PIPE 1141.32 INV.
STA 23+65.49 END PIPE 1131.82 INV.
STA 22+47.29 BEGIN PIPE 1131.44 INV.
STA 22+45.79 C/L M.H. #4 1143.50 INV. SPPWC 321-2
STA 22+43.29 END PIPE 1131.43 INV.
STA 21+21.91 END PIPE 1131.04 INV.
STA 18+77.74 C/L INT 1130.26 INV.
STA 24+01.83 BEGIN PIPE 1156.91 INV.
STA 23+97.17 END PIPE 1156.16 INV.
STA 21+01.83 BEGIN PIPE 1156.91 INV.
STA 20+97.17 END PIPE 1156.07 INV.
STA 18+01.83 BEGIN PIPE 1156.91 INV.
STA 17+97.17 END PIPE 1156.07 INV.
N0°05'10"W 89.00' 30" RCP S=0.0103
N0°05'10"W 295.33' 30" RCP S=0.0103
N0°07'53"E 121.68' 18" HDPE S=0.0032
N0°07'53"E 118.19' 18" HDPE S=0.0032
CATCH BASIN SPPWC 305-4 MONOLITHIC CONN. SPPWC 308-3
STA 30+88.39 END PIPE 1133.20 INV.
STA 30+85.45 END PIPE 1133.20 INV.
STA 29+74.97 END PIPE 1132.93 INV.
STA 29+72.03 END PIPE 1132.92 INV.
STA 28+61.55 END PIPE 1132.65 INV.
STA 28+58.61 END PIPE 1132.65 INV.
STA 26+50.92 END PIPE 1132.14 INV.
STA 26+47.98 END PIPE 1132.13 INV.
STA 25+30.63 END PIPE 1131.85 INV.
STA 25+27.69 END PIPE 1131.84 INV.
STA 24+10.48 END PIPE 1131.56 INV.
STA 24+07.54 END PIPE 1131.55 INV.
N0°07'53"E 110.48' 18" HDPE S=0.0024
N0°07'53"E 207.79' 18" HDPE S=0.0024
N0°07'53"E 117.31' 18" HDPE S=0.0024
STA 30+10.50 C/L M.H. #1 1132.82 INV. SPPWC 321-2
STA 30+28.17 C/L M.H. #2 1132.82 INV. SPPWC 321-2
7'W CURBSIDE OPENING CB SPPWC 305-4 MONOLITHIC CONN. SPPWC 308-3
STA 30+32.66 END PIPE 1132.84 INV.
N0°07'53"E 4.40' 18" HDPE S=0.0050
N89°52'07"W 10.00' 18" HDPE S=0.0050
N0°07'53"E 27.90' 18" HDPE S=0.0050
N89°52'07"W 10.00' 18" HDPE S=0.0050
STA 28+32.31 BEGIN PIPE 1126.65 INV.
STA 28+30.81 C/L M.H. #3 1140.00 INV. SPPWC 321-2
STA 28+26.01 C/L INT 1126.64 INV.
STA 28+70.28 END PIPE 1126.84 INV.
STA 28+00.00 C/L M.H. #4 1134.51 INV. SPPWC 321-2
N0°07'55"E 158.54' 18" HDPE S=0.0050
STA 26+44.48 C/L INT 1125.71 INV.
N0°07'53"E 117.37' 18" HDPE S=0.0024
N4°37'57"E 27.19' 18" HDPE S=0.0050
N0°07'53"E 110.48' 18" HDPE S=0.0024
N0°07'53"E 110.48' 18" HDPE S=0.0024
N0°07'53"E 110.48' 18" HDPE S=0.0024
N0°07'53"E 207.79' 18" HDPE S=0.0024
N0°07'53"E 117.31' 18" HDPE S=0.0024
S89°54'07"E 54.00' 18" HDPE S=0.0050
N0°07'55"E 158.54' 18" HDPE S=0.0050
N0°07'53"E 117.37' 18" HDPE S=0.0024
N4°37'57"E 27.19' 18" HDPE S=0.0050
S45°07'53"E 4.40' 18" HDPE S=0.0050
N89°52'07"W 10.00' 18" HDPE S=0.0050
S45°07'53"E 4.40' 18" HDPE S=0.0050
N89°52'07"W 10.00' 18" HDPE S=0.0050
STA 28+89.59 C/L INT 1126.79 INV. 18" HDPE
STA 28+60.27 C/L INT 1126.79 INV. 18" HDPE
CATCH BASIN SPPWC 305-4 MONOLITHIC CONN. SPPWC 308-3

SEE SHEET 8



SEE SHEET 11

PONDING DEPTH (FT.)	LEGEND
1.20	
0.90	
0.60	
0.30	

0 20 40 80 120

SCALE: 1"=40'

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH:(714)521-4811 FAX:(714)521-4173
Last Update:10/13/21
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL STORM DRAIN PLAN

ARROW ROUTE AND YELLOWWOOD ROAD RANCHO CUCAMONGA

Designed by _____ Approved by _____ Date _____
Date _____
Checked by _____
Date _____
Designed by _____
Date _____
Checked by _____
Date _____

Public Works Director R.C.E. XXXXX

Sheet 9 of 29 Sheets

4021/ 9 OF 29 SHEET

SEE SHEET 8

PONDING DEPTH (FT.)	LEGEND
0.80	
0.60	
0.40	
0.20	

'A STREET'

BLDG 5

SEE SHEET 11

0 20 40 80 120

SCALE: 1"=40'

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL STORM DRAIN PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
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PH:(714)521-4811 FAX:(714)521-4173
Last Update:10/13/21
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Designed by		Approved by	Date
Date			
Checked by			
Date			
Designed by		Public Works Director	R.C.E. XXXXX
Date			
Checked by			
Date		Sheet 10 of 29 Sheets	

SHEET 10 OF 29 / 4021

SEE SHEET 10

SEE SHEET 9

BLDG 5

'A STREET'

'A STREET'

A.T. & S.F. RAILROAD R/W

SD LINE D

SD LINE B (PUB)

SD LINE C (PUB)

SD LINE E

PONDING DEPTH (FT.)	LEGEND
1.40	
1.05	
0.70	
0.35	

0 20 40 80 120

SCALE: 1"=40'

PREPARED FOR:

BTC III ARROW ROUTE CC LP
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NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

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PH.(714)521-4811 FAX(714)521-4173

Last Update:11/10/21
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL STORM DRAIN PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

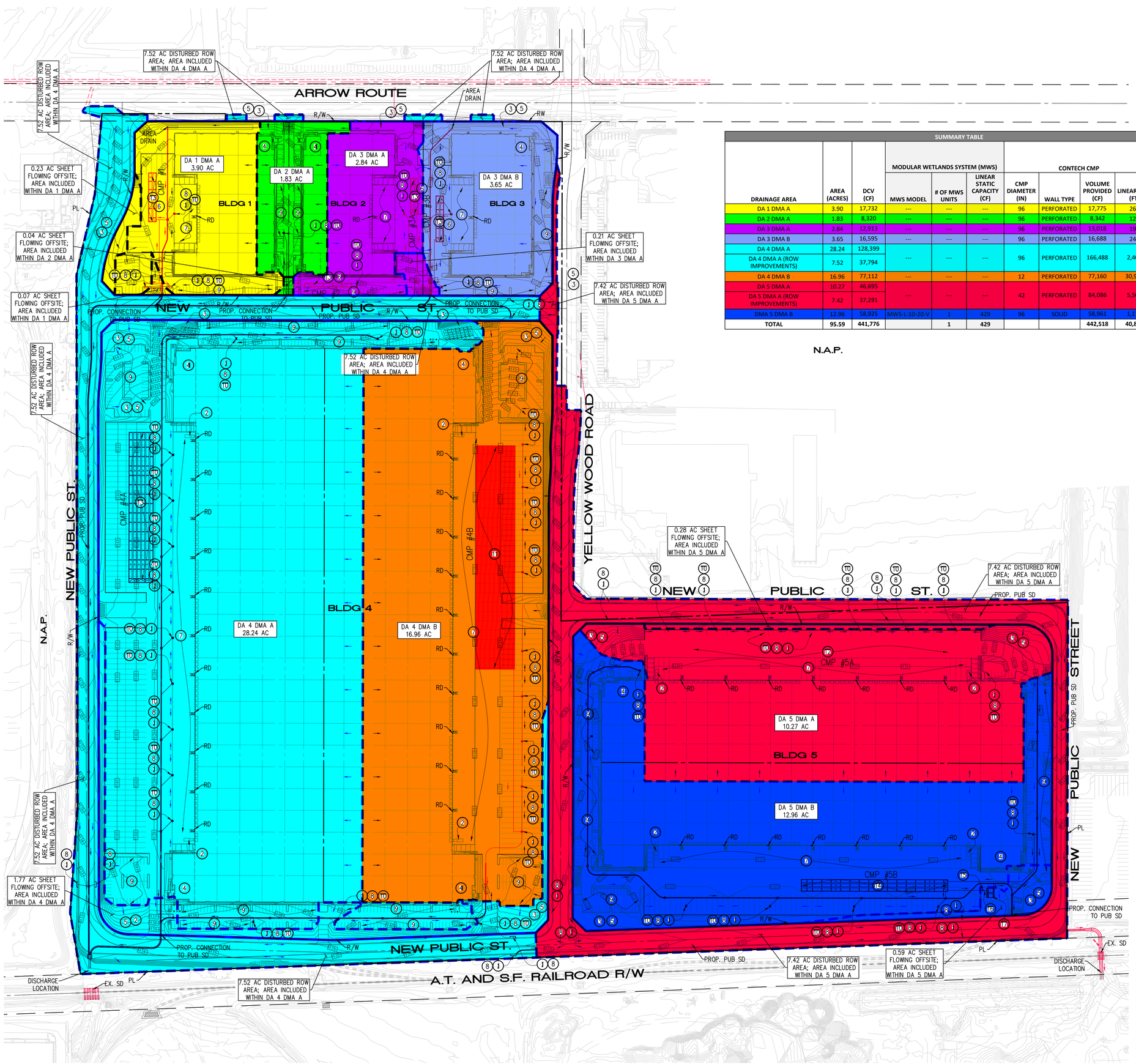
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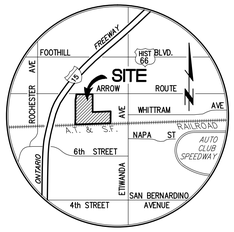
Approved by _____ Date _____

Public Works Director _____ R.C.E. XXXXX

Sheet 11 of 29 Sheets

4021/ 11 OF 29 SHEET





VICINITY MAP
N.T.S.

SUMMARY TABLE

DRAINAGE AREA	AREA (ACRES)	DCV (CF)	MODULAR WETLANDS SYSTEM (MWS)			CONTECH CMP				TOTAL VOLUME PROVIDED (CF)
			MWS MODEL	# OF MWS UNITS	LINEAR STATIC CAPACITY (CF)	CMP DIAMETER (IN)	WALL TYPE	VOLUME PROVIDED (CF)	LINEAR FEET (FT)	
DA 1 DMA A	3.90	17,732	---	---	---	96	PERFORATED	17,775	261	17,775
DA 2 DMA A	1.83	8,320	---	---	---	96	PERFORATED	8,342	125	8,342
DA 3 DMA A	2.84	12,913	---	---	---	96	PERFORATED	13,018	191	13,018
DA 3 DMA B	3.65	16,595	---	---	---	96	PERFORATED	16,688	245	16,688
DA 4 DMA A	28.24	128,399	---	---	---	96	PERFORATED	166,488	2,409	166,488
DA 4 DMA A (ROW IMPROVEMENTS)	7.52	37,794								
DA 4 DMA B	16.96	77,112	---	---	---	12	PERFORATED	77,160	30,939	77,160
DA 5 DMA A	10.27	46,695	---	---	---	42	PERFORATED	84,086	5,500	84,086
DA 5 DMA A (ROW IMPROVEMENTS)	7.42	37,291								
DMA 5 DMA B	12.96	58,925	MWS-L-10-20-V	1	429	96	SOLID	58,961	1,173	59,390
TOTAL	**95.59**	**441,776**		**1**	**429**			**442,518**	**40,843**	**442,947**

N.A.P.

LEGEND

1. S1–STORM DRAIN SYSTEM SIGNS "NO DUMPING – DRAINS TO WATERWAY"
2. S3–TRASH COMPACTOR
3. S4–EFFICIENT IRRIGATION
4. N1–EDUCATIONAL MATERIALS
5. N3–LANDSCAPE MANAGEMENT BMPS
6. N4–BMP MAINTENANCE
7. N13–HOUSEKEEPING OF LOADING DOCKS
8. N14–CATCH BASIN INSPECTION
9. N15–SWEEPING OF PARKING LOTS
10. DRAIN INSERT(S)
11. CONTECH 12–INCH PERFORATED CMP
12. CONTECH 42–INCH PERFORATED CMP
13. CONTECH 96–INCH PERFORATED CMP
14. CONTECH 96–INCH SOLID CMP
15. SUMP PUMP
16. FORCE MAIN
17. PROPRIETARY BIOFILTRATION UNIT

NOTES:

RD ROOF DRAIN
CMP CORRUGATED METAL PIPE
BOUNDARY
DRAINAGE AREAS
SURFACE – FLOW DIRECTION
SD – FLOW DIRECTION

1. WQMP BMP As-Built Certificate

I hereby certify that the necessary water quality management plan best management practice devices have been constructed under my supervision and are functional to the best of my knowledge as of the date below.

Signature _____ Date _____

Wet Seal

INSTALL ONE 4" ALUMINUM STORM DRAIN PLACARD, PAINTED BLUE WITH A 1/4" SQUARE MOUNTING HOLE (NO DUMPING DRAINS TO WATERWAY) FISH WITH WAVE (PROVIDED BY ENGINEERING SERVICES DEPARTMENT) ON CENTER OF CATCH BASIN BETWEEN SCORING LINE AND CURB LINE. STORM DRAIN PLACARD MUST BE INSTALLED WITH "NO DUMPING DRAINS TO WATERWAY" READING TOWARD THE STREET. MUST INSTALL PLACARD WITH A 1/4"x1" HAMMER SET RIVET (PROVIDED BY ENGINEERING SERVICES DEPARTMENT) AND MASONRY ADHESIVE.

0 50 100 200 300
SCALE: 1"=100'

Last Update: 5/16/23
O:\4000-4099\4021\4021CGP12-PRELIMINARY SITE AND DRAINAGE MAP.dwg

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

PRELIMINARY SITE AND DRAINAGE MAP

FOR

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING * LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____
Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 12 of 29 Sheets

4021/12 OF 29 SHEET

BIO CLEAN FULL CAPTURE FILTER WITH TROUGH SYSTEM

FOR USE IN CURB INLETS

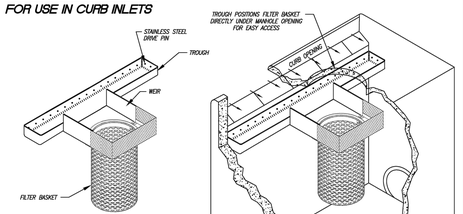


FIGURE 1:
DETAIL OF PARTS

FIGURE 2:
DETAIL OF CONFIGURATION

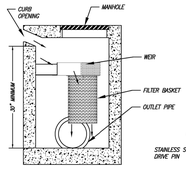


FIGURE 4:
DETAIL OF PROFILE

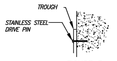


FIGURE 3:
DETAIL OF MOUNTING

NOTES:

1. TROUGH SYSTEM PROVIDES FOR ENTIRE COVERAGE OF INLET OPENING SO TO DIVERT ALL FLOW TO FILTER.
2. TROUGH SYSTEM MANUFACTURED FROM MARINE GRADE FIBERGLASS, GEL COATED FOR UV PROTECTION.
3. SYSTEM ATTACHED TO THE CATCH BASIN WITH NON-CORROSIVE HARDWARE.
4. FILTER MANUFACTURED OF 1008 STAINLESS STEEL.
5. FILTER MADE OF NON-CLOGGIN SCREEN WITH 4.7 MM OPENINGS AND MEETS FULL CAPTURE REQUIREMENTS.
6. FILTER CAN BE FITTED WITH HYDROCARBON ABSORBENT BOOM
7. FILTER IS LOCATED DIRECTLY UNDER THE MANHOLE FOR EASY REMOVAL AND MAINTENANCE.
8. LENGTH OF TROUGH CAN VARY FROM 3' TO 30'.
9. OTHER STANDARD AND CUSTOM MODEL SIZES AVAILABLE – CONTACT BIO CLEAN FOR MORE INFORMATION.
10. CONSIDERS A SAFETY FACTOR OF 2.0
11. BYPASS IS CALCULATED VIA OVERFLOW OF THE TROUGH SYSTEM AND IS EQUAL TO THE CAPACITY OF THE CURB OPENING.
12. STORAGE CAPACITY BASED ON THE BASKET HALF FULL.
13. ADDITIONAL TREATMENT AND STORAGE CAPACITY CAN BE ACHIEVED BY UTILIZING MULTIPLE FILTER BASKETS.

MODEL NUMBER	TREATMENT FLOW (cfs)*	SOLIDS STORAGE CAPACITY (cu ft)
BIO–CURB–FULL–24	2.85	1.40
BIO–CURB–FULL–12	2.85	0.70

*SEE PAGE 2 FOR EXPLANATION OF FLOW RATES

DRAWING: BIO CLEAN CURB INLET FILTER DETAILS
MEETS FULL CAPTURE REQUIREMENTS
TREATMENT FLOW RATE: 2.85 cfs
MODEL #: BIO–CURB–FULL
WARRANTY: 1 YEAR MANUFACTURER'S

BIO CLEAN ENVIRONMENTAL SERVICES, INC.
308 VIA EL CENTRO, OCEANSIDE CA 92058
PHONE: 760–433–7640 FAX: 760–433–7176

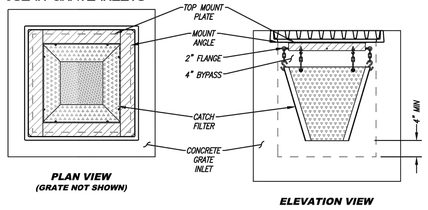
DATE: 10/12/2017 SCALE: NTS
DRAWTER: M.C.P. UNITS = INCHES

PROJECT:
REVISIONS: DATE:
REVISIONS: DATE:
REVISIONS: DATE:
REVISIONS: DATE:

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com

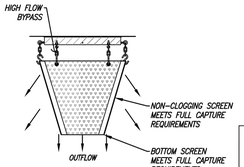
BIO CLEAN FULL CAPTURE FILTER

FOR USE IN GRATE INLETS



PLAN VIEW
(GRATE NOT SHOWN)

ELEVATION VIEW



FLOW DIAGRAM

INSTALLATION NOTES:

1. ALL HARDWARE, FLANGE, FRAME, SCREENS SHALL BE STAINLESS STEEL.
2. OPTIONAL HYDROCARBON BOOM SHALL BE 2" DIAMETER.
3. SEE PERFORMANCE REPORTS IN MANUFACTURES SPECIFICATIONS.
4. OTHER STANDARD AND CUSTOM MODEL SIZES AVAILABLE – CONTACT BIO CLEAN FOR MORE INFORMATION.
5. BASED ON 37% OPEN AREA.
6. CONSIDERS A SAFETY FACTOR OF 2.0.
7. CONSIDERS A LOCAL DEPRESSION PONDING DEPTH OF 6 INCHES.
8. STORAGE CAPACITY BASED ON THE BASKET HALF FULL.
9. CONCRETE STRUCTURES SOLD SEPARATELY.

NOT TO SCALE

MODEL #	TREATMENT FLOW RATE (CFS)	BYPASS FLOW (CFS)	SOLIDS STORAGE CAPACITY (CF)
BIO–GRATE–FULL 12–12–12	1.04	1.24	0.15
BIO–GRATE–FULL 18–18–12	1.78	2.79	0.33
BIO–GRATE–FULL 24–24–12	2.70	4.96	0.59
BIO–GRATE–FULL 24–40–12	3.70	6.35	0.88
BIO–GRATE–FULL 24–24–24	7.31	4.96	1.22
BIO–GRATE–FULL 24–40–24	9.53	6.35	1.82
BIO–GRATE–FULL 36–36–24	11.93	7.74	2.73

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www.ContechES.com

GRATE INLET FILTER
FULL CAPTURE
STANDARD DETAIL

Form 5-1 BMP Inspection and Maintenance

BMP	Responsible Party(ies)	Inspection/Maintenance Activities Required	Minimum Frequency of Activities
CONTECH CMP Underground System	Owner	Contech recommends ongoing quarterly inspections of the accumulated sediment. All systems shall be designed with an access/inspection manhole situated at or near the inlet and the outlet orifice. Maintaining the system should be scheduled during dry weather.	Inspections shall be done quarterly. Maintenance shall be scheduled when accumulated sediment or trash is clogging the discharge orifice.
Proprietary Biofiltration System	Owner	Remove trash from Screening Device, sediment from Separation Chamber and replace cartridge Filter Media, and Drain Down Filter Media. The owner should keep maintenance/inspection record(s) for a minimum of five years from the date of maintenance. These records should be made available to the governing municipality for inspection upon request at any time. Transport all debris, trash, organics and sediments to approved facility for disposal in accordance with local and state requirements.	Average maintenance interval of 6 to 12 months for removing trash from Screening Device. Average interval of 12 to 24 months for removing sediment, replacing Cartridge Filter Media, replacing Drain Down Filter Media and trimming vegetation.
Drain Inserts	Owner	Visually inspect for defects and illegal dumping. Notify proper authorities if illegal dumping has occurred. Using an industrial vacuum, the collected materials shall be removed from the filter basket and disposed of properly. Inspect biosorb hydrocarbon boom and replace as necessary.	Four times per year or following any rain event that would potentially accumulate a large amount of debris in the system. Replace boom twice per year, at a minimum.
Storm Drain Stenciled Message	Owner	Visually inspect for legibility and replace or repaint as necessary.	Annually
N1: Education of Property Owners, Tenants and Occupants on Stormwater BMPs	Owner	Property owner will familiarize him/herself with the educational materials in Attachment "E" and the contents of the WQMP.	Annually (January) for all employees and within 2 months for new hires.
N2: Activity Restrictions	Owner	The owner shall develop ongoing activity restrictions that include those that have the potential to create adverse impacts on water quality. Activities include, but are not limited to: handling and disposal of contaminants, fertilizer and pesticide application restrictions, litter control and pick-up, and vehicle or equipment repair as well as any other activities that may potentially contribute to water pollution.	Ongoing

Form 5-1 BMP Inspection and Maintenance

BMP	Responsible Party(ies)	Inspection/Maintenance Activities Required	Minimum Frequency of Activities
N3: Landscape Management BMPs	Owner	Irrigation must be consistent with City's Water Conservation Ordinance. Fertilizer and pesticide usage will be consistent with County Management Guidelines for Use of Fertilizers and Pesticides.	Ongoing
N4: BMP Maintenance	Owner	BMP maintenance, implementation schedules, and responsible parties are included with each specific BMP narrative.	As described in each BMP listed within this form.
N7: Spill Contingency Plan	Owner	Owner/tenant will have a spill contingency plan, a separate document, based on specific site needs.	Ongoing
N10: Uniform Fire Code Implementation	Owner	If applicable, owner will comply with Article 80 of the Uniform Fire Code enforced by the fire protection agency. The facility operators will be educated annually regarding requirements for handling, storage and proper disposal of hazardous substances.	Ongoing
N11: Litter/Debris Control Program	Owner	Contract with their landscape maintenance firm to provide this service during regularly schedule maintenance. They are required to implement trash management and litter control procedures in the common areas aimed at reducing pollution of drainage water.	Weekly
N12: Employee Training	Owner	The owner will ensure that tenants are also familiar with onsite BMPs and necessary maintenance required of the tenants. Owner will check with City and County at least once a year to obtain new or updated educational materials and provide these materials to tenants. Employees shall be trained to clean up spills and participate in ongoing maintenance. The WQMP requires annual employee training and new hires within 2 months.	Annually (January) for all employees and within 2 months for new hires.
N13: Housekeeping of Loading Docks	Owner	Keep all fluids indoors. Clean up spills immediately and keep spills from entering storm drain system. No direct discharges into the storm drain system. Area shall be inspected weekly for proper containment and practices with spills cleaned up immediately and disposed of properly.	Ongoing

Form 5-1 BMP Inspection and Maintenance

BMP	Responsible Party(ies)	Inspection/Maintenance Activities Required	Minimum Frequency of Activities
N14: Catch Basin Inspection Program	Owner	Monthly inspection by property owner's designee. Inspection consists of immediate repair of any deterioration of the structures and maintenance of drain inserts before and after major rain events. Drain insert maintenance shall be per manufacturer's guidelines.	Monthly inspection and maintain as necessary.
N15: Vacuum Sweeping of Private Streets and Parking Lots	Owner	All landscape maintenance contractors will be required to sweep up all landscape cuttings, mowings and fertilizer materials off paved areas weekly and dispose of properly. Parking areas and drive ways will be swept monthly by sweeping contractor.	Monthly
N17: Comply with all other applicable NPDES permits	Owner	Will comply with Construction General Permit and Industrial General Permit (may apply for No Exposure Certification/NEC).	Ongoing
S1: Provide storm drain system stenciling and signage (CASQA New Development BMP Handbook SD-13)	Owner	"No Dumping – Drains to River" stencils will be applied. Legibility of stencil will be maintained on a yearly basis.	Annually (January)
S3: Design and construct trash and waste storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-32)	Owner	Paved with an impervious surface, designed not to allow run-on from adjoining areas, designed to divert drainage from adjoining roofs and pavements diverted around the area, screened or walled to prevent off-site transport of trash. Detail to be provided once available.	Ongoing
S4: Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control (Statewide Model Landscape Ordinance; CASQA New Development BMP Handbook SD-12)	Owner	Irrigation systems shall include reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines. Timers will be used to avoid over watering and watering cycles and duration shall be adjusted seasonally by the landscape maintenance contractor. The landscaping areas will be grouped with plants that have similar water requirements. Native or drought tolerant species shall also be used where appropriate to reduce excess irrigation runoff and promote surface filtration.	Adjust watering cycles and duration seasonally / quarterly (Oct, Jan, Apr, and Jul).

DRAIN INSERTS

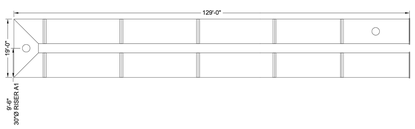
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 281 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 17,732 CF
- PIPE STORAGE VOLUME = 13,119 CF
- BACKFILL STORAGE VOLUME = 4,656 CF
- TOTAL STORAGE PROVIDED = 17,775 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
- THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

ASSEMBLY
SCALE: 1" = 20'

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www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

YO3696 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 1 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.: 30705	SEQ. No.: 30696	DATE: 5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

DA 1 DMA A

PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 125 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 8,320 CF
- PIPE STORAGE VOLUME = 6,283 CF
- BACKFILL STORAGE VOLUME = 2,059 CF
- TOTAL STORAGE PROVIDED = 8,342 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
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ASSEMBLY
SCALE: 1" = 20'

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CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

YO3702 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 2 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.: 30705	SEQ. No.: 30702	DATE: 4/26/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

DA 2 DMA A

Last Update: 4/27/23
O:\4000–4099\4021\4021CGP13–PRELIMINARY SITE AND DRAINAGE MAP.dwg

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892–4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PRELIMINARY SITE AND DRAINAGE MAP
FOR
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521–4811 FAX(714)521–4173

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 13 of 29 Sheets

4021/13 OF 29 SHEET

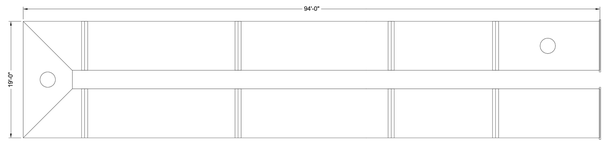
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 191 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 12,913 CF
- PIPE STORAGE VOLUME = 9,601 CF
- BACKFILL STORAGE VOLUME = 3,417 CF
- TOTAL STORAGE PROVIDED = 13,018 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES
- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY
SCALE: 1" = 10'

C:\DATA\CONTECH\APPLICATIONS\DETAILS\DYODS\DYO30703 TEI 4021 - DA 3 DMA A.DWG 10/18/2019 10:02 AM

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DYO30703 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 3 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
DYO705	30703	5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.:	1	

DA 3 DMA A

PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 245 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 16,595 CF
- PIPE STORAGE VOLUME = 12,315 CF
- BACKFILL STORAGE VOLUME = 4,373 CF
- TOTAL STORAGE PROVIDED = 16,688 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES
- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
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- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY
SCALE: 1" = 20'

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DYO30706 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 3 DMA B
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
DYO705	30706	4/24/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.:	1	

DA 3 DMA B

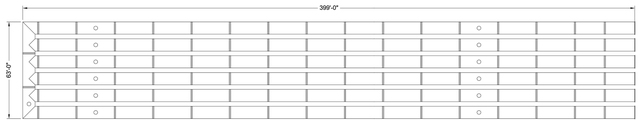
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 2,409 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 166,193 CF
- PIPE STORAGE VOLUME = 121,090 CF
- BACKFILL STORAGE VOLUME = 45,398 CF
- TOTAL STORAGE PROVIDED = 166,488 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES
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ASSEMBLY
SCALE: 1" = 40'

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DYO30736 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 4 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
DYO705	30736	5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.:	1	

DA 4 DMA A

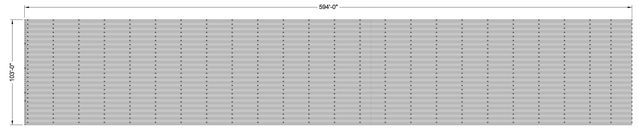
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 30,939 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 77,112 CF
- PIPE STORAGE VOLUME = 24,299 CF
- BACKFILL STORAGE VOLUME = 52,860 CF
- TOTAL STORAGE PROVIDED = 77,160 CF

PIPE DETAILS
- DIAMETER = 12"
- CORRUGATION = 2 2/3x1/2
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 12"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 12"



NOTES
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- RISERS TO BE FIELD TRIMMED TO GRADE.
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ASSEMBLY
SCALE: 1" = 60'

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CONTECH CMP DETENTION SYSTEMS
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DYO30854 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 4 DMA B
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
DYO705	30854	5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.:	1	

DA 4 DMA B

Last Update: 4/27/23
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PRELIMINARY SITE AND DRAINAGE MAP
FOR
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

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Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 14 of 29 Sheets

4021/14 OF 29 SHEET

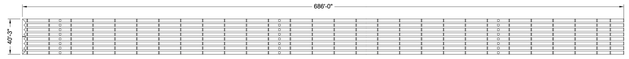
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 5,500 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 83,986 CF
- PIPE STORAGE VOLUME = 52,919 CF
- BACKFILL STORAGE VOLUME = 31,168 CF
- TOTAL STORAGE PROVIDED = 84,086 CF

PIPE DETAILS
- DIAMETER = 42"
- CORRUGATION = 2 2/3x1/2
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 21"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



NOTES
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- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
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ASSEMBLY
SCALE: 1" = 70'

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DATE	REVISION DESCRIPTION	BY

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YO30856 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 5 DMA A
Rancho Cucamonga, CA
DETENTION SYSTEM

PROJECT No.: DYO705	SEQ. No.: 30856	DATE: 5/2/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.:	1	

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DA 5 DMA A

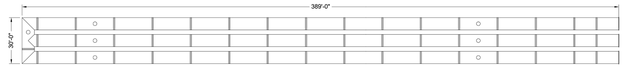
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 1,173 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = 58,925 CF
- PIPE STORAGE VOLUME = 58,961 CF
- BACKFILL STORAGE VOLUME = 0 CF
- TOTAL STORAGE PROVIDED = 58,961 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = SOLID
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 12"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 12"
- BELOW PIPE = 6"



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- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE 2⅔" x ½" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN. QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE. TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
- THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

ASSEMBLY
SCALE: 1" = 40'

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800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

YO30858 TEI 4021 - Arrow Route and Yellowwood Road, Rancho Cucamonga
TEI 4021 - DA 5 DMA B
Rancho Cucamonga, CA
DETENTION SYSTEM

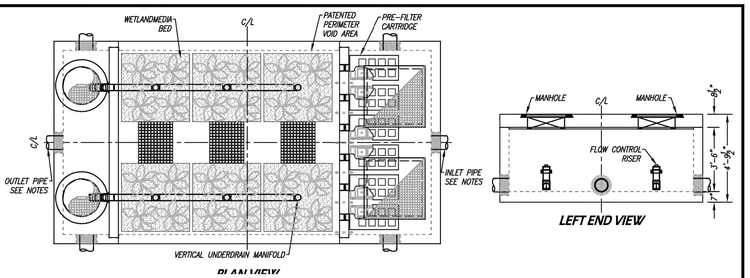
PROJECT No.: DYO705	SEQ. No.: 30858	DATE: 4/26/2023
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.:	1	

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DA 5 DMA B

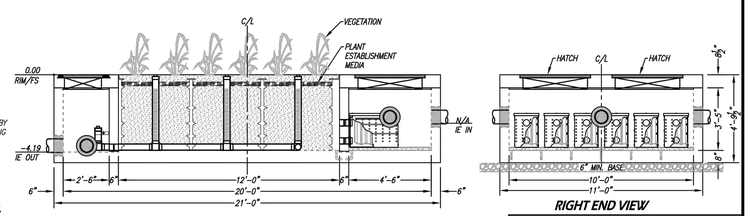
SITE SPECIFIC DATA

PROJECT NUMBER		----	
PROJECT NAME		----	
PROJECT LOCATION		----	
STRUCTURE ID		----	
TREATMENT REQUIRED			
VOLUME BASED (CF)		FLOW BASED (CFS)	
15000		---	
TREATMENT HGL AVAILABLE (FT)			---
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE			---
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	N/A	PVC	4"
INLET PIPE 2	N/A	PVC	2"
OUTLET PIPE	=4.19	PVC	8"
	PRETREATMENT	BIOFILTRATION	DISCHARGE
RIM ELEVATION	0.00	0.00	0.00
SURFACE LOAD	PEDESTRIAN	N/A	PEDESTRIAN
FRAME & COVER	(2) 36"X36"	N/A	(2) #24"
WETLANDMEDIA VOLUME (CY)			12.49
ORIFICE SIZE (DIA. INCHES)			1.89
NOTES: PRELIMINARY, NOT FOR CONSTRUCTION.			



PLAN VIEW

LEFT END VIEW



ELEVATION VIEW

RIGHT END VIEW

REQUIRED TREATMENT VOLUME (CF)	15,000
DRAINDOWN DURATION (HOURS)	24
AVERAGE DISCHARGE RATE PER MWS UNIT(GPM)	78.50
OPERATING HEAD (FT)	3.4
WETLANDMEDIA INFILTRATION RATE (IN/HR) — OR	26
WETLANDMEDIA LOADING RATE (GPM/SF)	0.26

INSTALLATION NOTES

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS' SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATERTIGHT PER MANUFACTURER'S STANDARD CONNECTION DETAIL.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL PIPES, RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO USE GROUT AND/OR BRICKS TO MATCH COVERS WITH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. VEGETATION SUPPLIED AND INSTALLED BY OTHERS. ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND INSTALLED BY OTHERS.
7. CONTRACTOR RESPONSIBLE FOR CONTACTING BIO CLEAN FOR ACTIVATION OF UNIT. MANUFACTURER'S WARRANTY IS VOID WITHOUT PROPER ACTIVATION BY A BIO CLEAN REPRESENTATIVE.

GENERAL NOTES

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT BIO CLEAN.

3/16"/SS/WMS20.DWG

STORMWATER WETLANDS
FOR PATENT INFORMATION, GO TO www.ContechES.com/IP

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MWS-L-10-20-4'-1"-V
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

DA 5 DMA B

Last Update: 4/27/23
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

PREPARED FOR:
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4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

PRELIMINARY SITE AND DRAINAGE MAP
FOR
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
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Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 15 of 29 Sheets

4021 / 15 OF 29 SHEET

ARROW ROUTE

STORAGE BUILDING

STA 34+38.07
Rim: 1162.59
INV IN:1146.53 8" VCP
INV OUT:1146.33 8" VCP

PROPOSED 12" WATERLINE CONNECTION
PROVIDE 12"X12"X12" TEE

S89°56'14"E 276.94'
8" VCP S=0.0040
PROPOSED 8" BRINE LINE
SEE SHEET 21 SS LINE B

MODIFY EXISTING MANHOLE
REMOVE EXISTING 8" LINE TO THE SOUTH
REPLACE WITH PROPOSED
8" LINE TO THE WEST

REMOVE EXISTING 12"X12"X10" TEE
REPLACE WITH 12"X12"X12" TEE

N.A.P.

N0°03'46"E 205.28'
8" VCP S=0.0040
PROPOSED 8" BRINE LINE
SEE SHEET 21 SS LINE B

PROPOSED 12"
PUBLIC WATERLINE

STA 7+05.92
Rim: 1160.27

EXISTING 8" BRINE LINE
TO BE REMOVE/RELOCATED

S89°52'07"E 189.67'
6" PVC S=0.0100

STA 5+16.25
Rim: 1160.27
INV: 1156.88 6" PVC

STA 6+55.46
Rim: 1162.94

S89°52'07"E 139.21'
6" PVC S=0.0100

STA 5+16.25
Rim: 1162.94
INV: 1160.05 6" PVC

ONE STORY CONCRETE BUILDING
BUILDING PERIMETER
FOOTPRINT AREA =14

STA 6+53.92
Rim: 1160.79

S89°52'07"E 137.67'
6" PVC S=0.0100

STA 5+16.25
Rim: 1160.79
INV: 1157.92 6" PVC

PROTECT EXISTING
12" SEWER MAIN IN PLACE

REMOVE EXISTING 10" WATERLINE
REPLACE WITH 12" WATERLINE

STA 32+28.79
Rim: 1156.98
INV IN:1145.51 8" VCP
INV OUT:1145.31 8" VCP

PROPOSED 12"
PUBLIC WATERLINE

BLDG 1

S0°07'53"W 341.17'
6" PVC S=0.0100

BLDG 2

S0°07'53"W 339.67'
6" PVC S=0.0100

BLDG 3

S0°07'53"W 341.17'
6" PVC S=0.0100

PROPOSED 6" SEWER LATERAL
PROVIDE C.O. EVERY 100' O.C.

YELLOWWOOD ROAD

N27°20'45"E 188.40'
8" VCP S=0.0156
PROPOSED 8" BRINE LINE
SEE SHEET 21 SS LINE B

EXISTING 8" BRINE LINE
TO BE REMOVE/RELOCATED

STA 30+36.39
Rim: 1152.75
INV IN:1142.37 8" VCP
INV OUT:1142.17 8" VCP

STA 1+75.08
Rim: 1160.27
INV:1153.47 6" PVC

PROPOSED 6" SEWER LATERAL
PROVIDE C.O. EVERY 100' O.C.

STA 1+76.58
Rim: 1162.94
INV:1156.65 6" PVC

STA 1+75.08
Rim: 1160.79
INV:1154.50 6" PVC

S0°07'53"W 75.08'
6" PVC S=0.1321

ADJUST EXISTING
SEWER MANHOLE TO GRADE

N.A.P.

N0°07'53"W 75.08'
8" PVC S=0.0795

STA 1+00.00
Rim: 1154.34
INV:1147.50 6" PVC

S0°07'53"W 78.39'
6" PVC S=0.1343

STA 1+00.00
Rim: 1155.53
INV:1146.39 8" PVD

STA 1+00.00
Rim: 1153.68
INV:1144.59 6" PVC

REMOVE EXISTING 10" WATERLINE
REPLACE WITH 12" WATERLINE

PROPOSED 2"
IRR SERVICE

PROPOSED 2"
DOM SERVICE

PROPOSED 10"
DCDA

PROPOSED 10"
PUBLIC WATERLINE

N0°05'10"W 269.18'
8" VCP S=0.0156
PROPOSED 8" BRINE LINE
SEE SHEET 21 SS LINE B

'B STREET'

'A STREET'

N0°07'53"E 32.21'
6" PVC S=-0.0200

STA 14+55.55
Rim: 1155.97
INV: 1145.76 8" PVC

1145.68
INV/6"WYE

PROPOSED 10" FIRE SERVICE
PROVIDE 12"X12"X10" TEE

PROPOSED 2"
DOM SERVICE

PROPOSED 2"
IRR SERVICE

STA 16+68.07
Rim: 1155.63
INV IN:1144.82 8" PVC
INV OUT:1144.62 8" PVC

EXISTING 8" BRINE LINE
TO BE REMOVE/RELOCATED

N89°52'07"W 289.52'
6" PVC S=-0.0040

N89°52'07"W 295.00'
8" PVC S=-0.0040

N89°52'07"W 189.32'
8" PVC S=0.0040

N0°07'53"E 32.21'
6" PVC S=-0.0200

N89°51'59"W 110.68'
8" PVC S=0.0040

1142.77
INV/6"WYE

STA 19+71.00
Rim: 1134.12
INV OUT:1143.53 8" PVC
INV OUT:1143.33 8" PVC

STA 1+00.00
Rim: (1155.41)
INV IN:1142.33 8" PVC
INV OUT: (1142.13)
EX 12" SEWER

STA 27+63.21
Rim: 1148.85
INV IN:1137.96 8" VCP
INV OUT:1137.76 8" VCP

STA 13+53.74
Rim: 1142.63
INV:1141.13 6" PVC

BLDG 4

N89°52'07"W 378.76'
6" PVC S=-0.0100

STA 9+74.98
Rim: 1142.63
INV:1137.34 6" PVC

PROPOSED 12"
PUBLC WATERLINE

STA 26+54.68
Rim: 1147.52
INV IN:1136.13 8" VCP
INV OUT:1135.93 8" VCP

S=0.0119

PROTECT EXISTING
12" SEWER MAIN IN PLACE

REMOVE EXISTING 10" WATERLINE
REPLACE WITH 12" WATERLINE

ADJUST EXISTING
SEWER MANHOLE TO GRADE

SEE SHEET 15

0 20 40 80 120
SCALE: 1"=40'

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL UTILITY PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 16 of 29 Sheets

4021 / 16 OF 29 SHEET

SEE SHEET 14

PROPOSED 12" PUBLIC WATERLINE

N07°05'10"W 284.44'
8" VCP S=0.0100
PROPOSED 8" BRINE LINE
SEE SHEET 21 SS LINE B

N.A.P.

STA 23+66.24
Rim: 1144.64
INV IN: 1133.08 8" VCP
INV OUT: 1132.88 8" VCP

PROPOSED 12" PUBLIC WATERLINE

N07°05'10"W 300.00'
8" VCP S=0.0100
PROPOSED 8" BRINE LINE
SEE SHEET 21 SS LINE B

'A' STREET

STA 20+82.24
Rim: 1141.20
INV IN: 1129.88 8" VCP
INV OUT: 1129.68 8" VCP

N07°05'10"W 300.00'
8" VCP S=0.0100
PROPOSED 8" BRINE LINE
SEE SHEET 21 SS LINE B

N.A.P.

N07°05'10"W 300.00'
8" VCP S=0.0100
PROPOSED 8" BRINE LINE
SEE SHEET 21 SS LINE B

STA 17+58.24
Rim: 1137.55
INV IN: 1126.68 8" VCP
INV OUT: 1126.88 8" VCP

PROPOSED 12" PUBLIC WATERLINE

EXISTING 8" BRINE LINE TO BE REMOVE/RELOCATED

EXISTING 8" BRINE LINE TO BE REMOVE/RELOCATED

EXISTING 8" BRINE LINE TO BE REMOVE/RELOCATED

STA 14+38.33
Rim: 1142.63
INV OUT: 1138.47 6" PVC

N07°07'53"E 557.17'
6" PVC S=0.0100

EXISTING 8" BRINE LINE TO BE REMOVE/RELOCATED

BLDG 4

PROPOSED 6" SEWER LATERAL
PROVIDE C.O. EVERY 100' O.C.

N07°07'53"E 844.15'
6" PVC S=-0.0100

STA 1+30.83
Rim: 1142.63

S89°52'07"E 30.83'
6" PVC S=0.0197

STA 18+79.27
Rim: 1138.44

N89°52'07"W 55.00'
6" PVC S=0.0100

STA 18+24.27
Rim: 1137.84
INV: 1128.04 6" PVC

N07°07'53"E 412.63'
6" PVC S=0.0100

PROTECT EXISTING 12" SEWER MAIN IN PLACE

ADJUST EXISTING SEWER MANHOLE TO GRADE

YELLOWWOOD ROAD

PROTECT EXISTING 12" SEWER MAIN IN PLACE

REMOVE EXISTING 10" WATERLINE REPLACE WITH 12" WATERLINE

ADJUST EXISTING SEWER MANHOLE TO GRADE

N.A.P.

ADJUST EXISTING SEWER MANHOLE TO GRADE

PROTECT EXISTING 12" SEWER MAIN IN PLACE

ADJUST EXISTING SEWER MANHOLE TO GRADE

REMOVE EXISTING 10" WATERLINE REPLACE WITH 12" WATERLINE

REMOVE EXISTING FIRE SERVICE

REMOVE EXISTING DCDA

PROPOSED 10" FIRE SERVICE
PRIVANCE 17"x17"x90° TEE

ADJUST EXISTING SEWER MANHOLE TO GRADE

PROPOSED 10" DCDA

PROPOSED 2" IRR METER
PROPOSED 2" DOM METER

PROPOSED 2" IRR SERVICE

PROPOSED 2" DOM SERVICE

PROP. 12" PVC WATER

STA 11+35.23
Rim: 1135.41
INV OUT: 1123.26 6" PVC

N07°07'53"E 389.53'
6" PVC S=0.0100

PROTECT EXISTING 12" SEWER MAIN IN PLACE

SEE SHEET 17

SEE SHEET 16

0 20 40 80 120
SCALE: 1"=40'

PREPARED FOR:
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL UTILITY PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

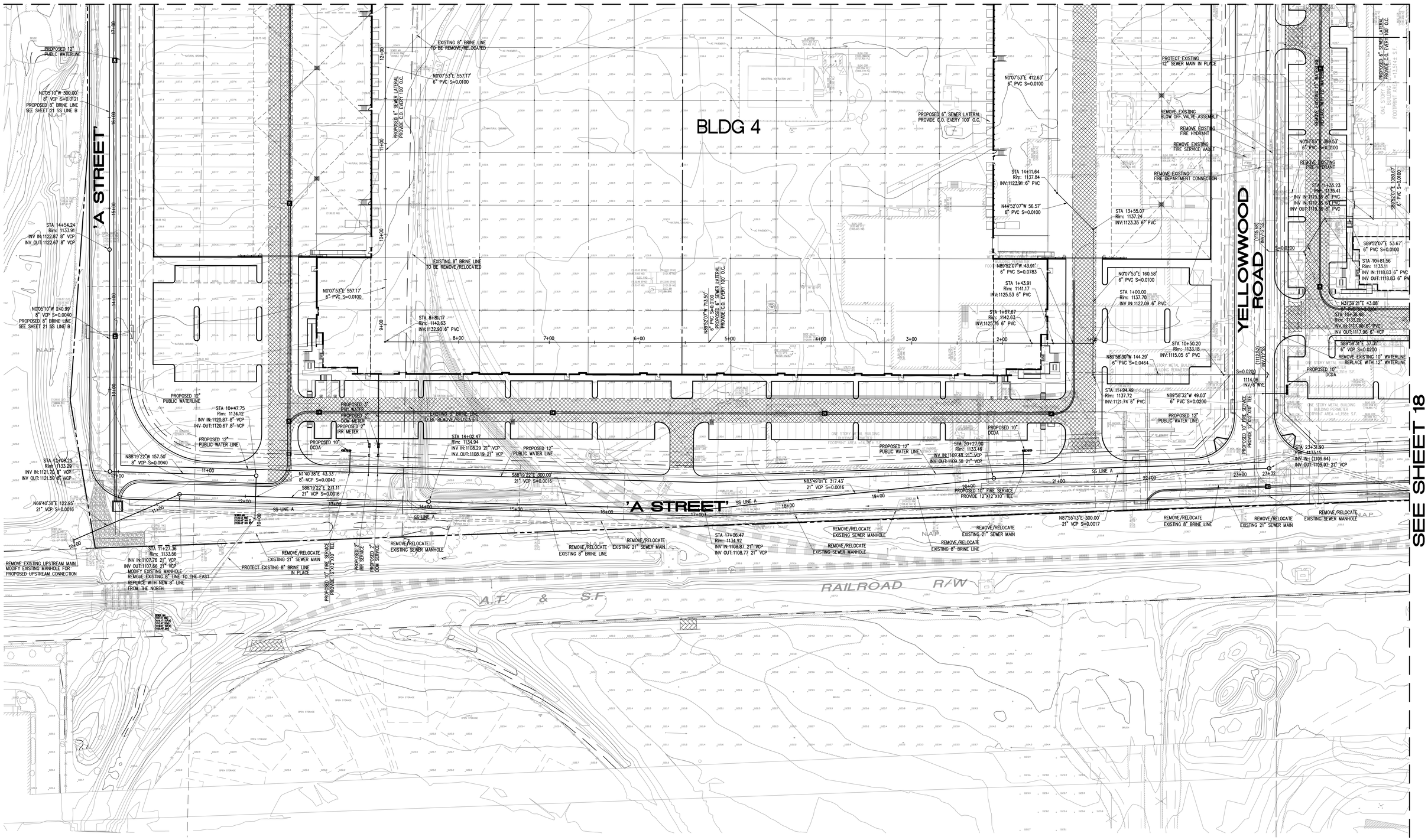
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Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director R.C.E. XXXXX

Sheet 17 of 29 Sheets

4021/17 OF 29 SHEET

SEE SHEET 15



SEE SHEET 18

0 20 40 80 120

SCALE: 1"=40'

PREPARED FOR:

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CITY OF RANCHO CUCAMONGA

PUBLIC WORKS DEPARTMENT

CONCEPTUAL UTILITY PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by _____ Date _____
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Approved by _____ Date _____

Public Works Director R.C.E. XXXXX

Sheet 18 of 29 Sheets

4021/18 OF 29 SHEET

SEE SHEET 15

YELLOWWOOD ROAD

PROTECT EXISTING 12" SEWER MAIN IN PLACE

REMOVE EXISTING 10" WATERLINE REPLACE WITH 12" WATERLINE

ADJUST EXISTING SEWER MANHOLE TO GRADE

N.A.P.

ADJUST EXISTING SEWER MANHOLE TO GRADE

PROTECT EXISTING 12" SEWER MAIN IN PLACE

ADJUST EXISTING SEWER MANHOLE TO GRADE

REMOVE EXISTING 10" WATERLINE REPLACE WITH 12" WATERLINE

REMOVE EXISTING FIRE SERVICE

REMOVE EXISTING DCDA

ADJUST EXISTING SEWER MANHOLE TO GRADE

PROPOSED 10" DCDA

PROPOSED 2" IRR METER

PROPOSED 2" DOM METER

PROPOSED 10" FIRE SERVICE PRIVATE 24"X24"X36" VAULT

PROP. 4" PVC WATER

STA 11+35.23
Rim: 1135.41
INV OUT: 1123.26 6" PVC

N0107'53"E 389.53'
8" PVC S=0.0100

REMOVE EXISTING 10" WATERLINE REPLACE WITH 12" WATERLINE

'A STREET'

N.A.P.

STA 25+90.23
Rim: 1135.41
INV OUT: 1133.91 6" PVC

'A STREET'

BLDG 5

SEE SHEET 18

0 20 40 80 120

SCALE: 1"=40'

PREPARED FOR:

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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL UTILITY PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

Designed by	Approved by	Date
Date		
Checked by		
Date		
Designed by	Public Works Director	R.C.E. XXXXX
Date		
Checked by		
Date		

Sheet 19 of 29 Sheets

4021 / 19 OF 29 SHEET

SEE SHEET 17

SEE SHEET 16

YELLOWWOOD RD

'A STREET'

BLDG 5

ONE STORY METAL BUILDING
BUILDING PERIMETER
FOOTPRINT AREA =12,705± S.F.

ONE STORY METAL BUILDING
WITH TWO STORY OFFICE AREA
BUILDING PERIMETER
FOOTPRINT AREA =73,481± S.F.

ONE STORY METAL BUILDING
BUILDING PERIMETER
FOOTPRINT AREA =11,586± S.F.

FOOTPRINT AREA =3,627± S.F.

PROPOSED 6" SEWER LATERAL
PROVIDE C.O. EVERY 100' O.C.

PROPOSED 10" FIRE SERVICE
PROVIDE 2"X1"X90° TEE

PROPOSED 10" DCDA

REMOVE EXISTING 10" WATERLINE
REPLACE WITH 12" WATERLINE

REMOVE EXISTING FIRE HYDRANT

REMOVE/RELOCATE EXISTING 21" SEWER MAIN

REMOVE/RELOCATE EXISTING SEWER MANHOLE

RAILROAD R/W

A.T. & S.F.

N.A.P.

N0°07'53"E 374.33'
6" PVC S=0.0100

S89°52'07"E 1080.67'
6" PVC S=0.0100

N0°07'53"E 359.53'
6" PVC S=0.0100

S89°52'07"E 1080.67'
6" PVC S=0.0100

S89°52'07"E 53.67'
6" PVC S=0.0100

N31°39'21"E 43.08'
6" PVC S=0.0100

S89°58'31"E 37.31'
6" VCP S=0.0200

STA 11+35.23
Rim: 1135.41
INV IN:1119.38 6" PVC
INV IN:1119.26 6" PVC
INV OUT:1119.26 6" PVC

STA 10+81.56
Rim: 1133.11
INV IN:1118.83 6" PVC
INV OUT:1118.83 6" PVC

STA 10+38.46
Rim: 1133.28
INV IN:1117.96 6" PVC
INV OUT:1117.96 6" VCP

STA 23+31.90
Rim: 1133.15
INV IN: (1109.64)
INV OUT:1109.97 21" VCP

STA 22+15.90
Rim: 1135.41
INV IN:1130.17 6" PVC
INV OUT:1130.17 6" PVC

S=0.0200

1114.06
INV/6" WYE

(1115.59)
INV/12" SSS

(1112.59)
INV/22" SSS

23+00

23+32

0 20 40 80 120
SCALE: 1"=40'

PREPARED FOR:
BTC III ARROW ROUTE CC LP
4675 MACARTHUR COURT, SUITE 625
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PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL UTILITY PLAN

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

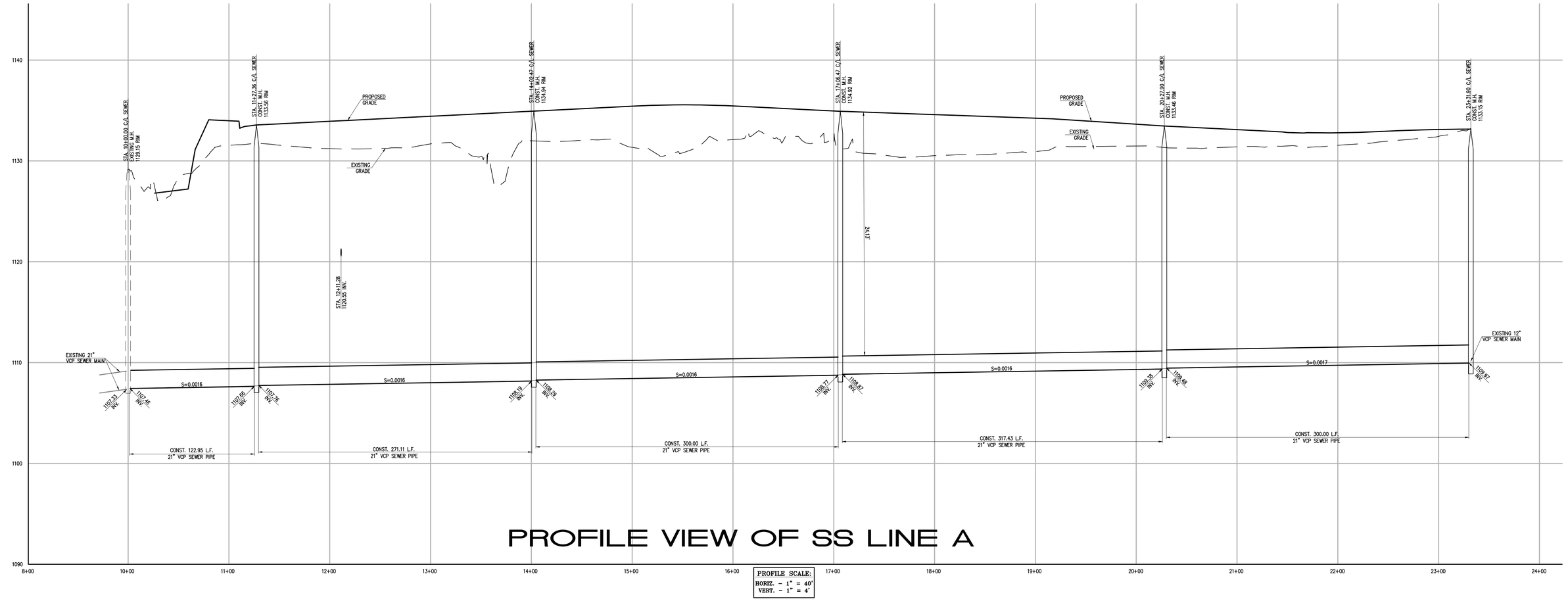
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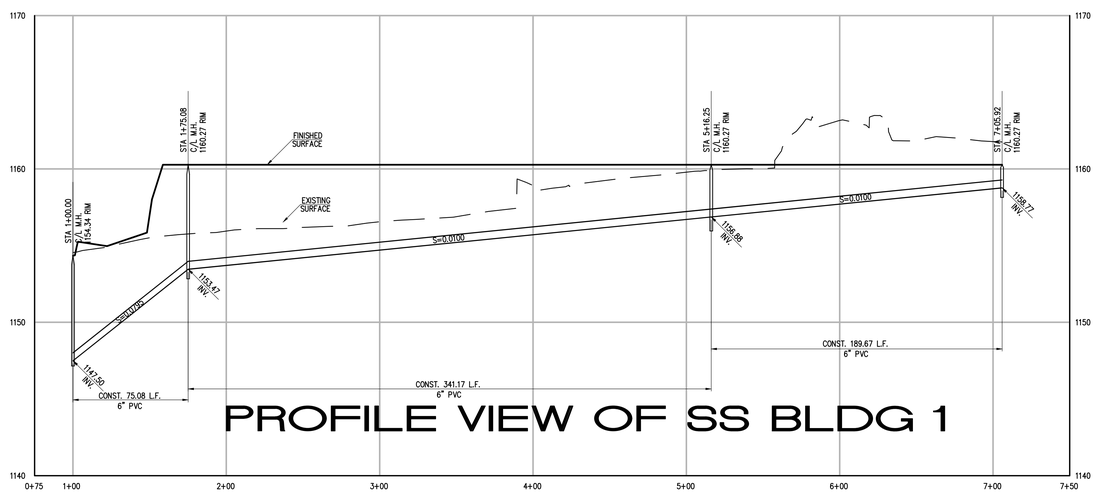
Sheet 20 of 29 Sheets

4021/20 OF 29 SHEET

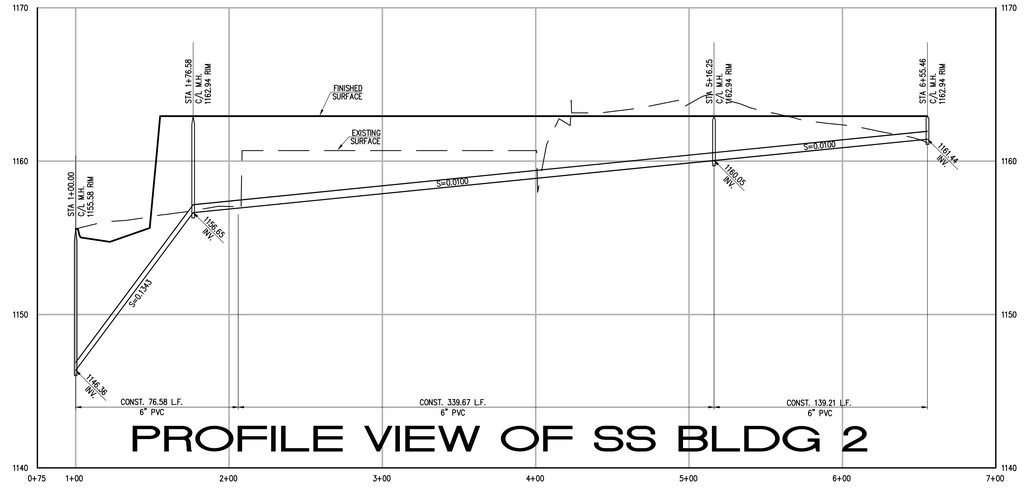


PROFILE VIEW OF SS LINE A

PROFILE SCALE:
HORIZ. - 1" = 40'
VERT. - 1" = 4'



PROFILE VIEW OF SS BLDG 1



PROFILE VIEW OF SS BLDG 2

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

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chris.sanford@blackcreekgroup.com

CONCEPTUAL PUBLIC SEWER PROFILE LINE A

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

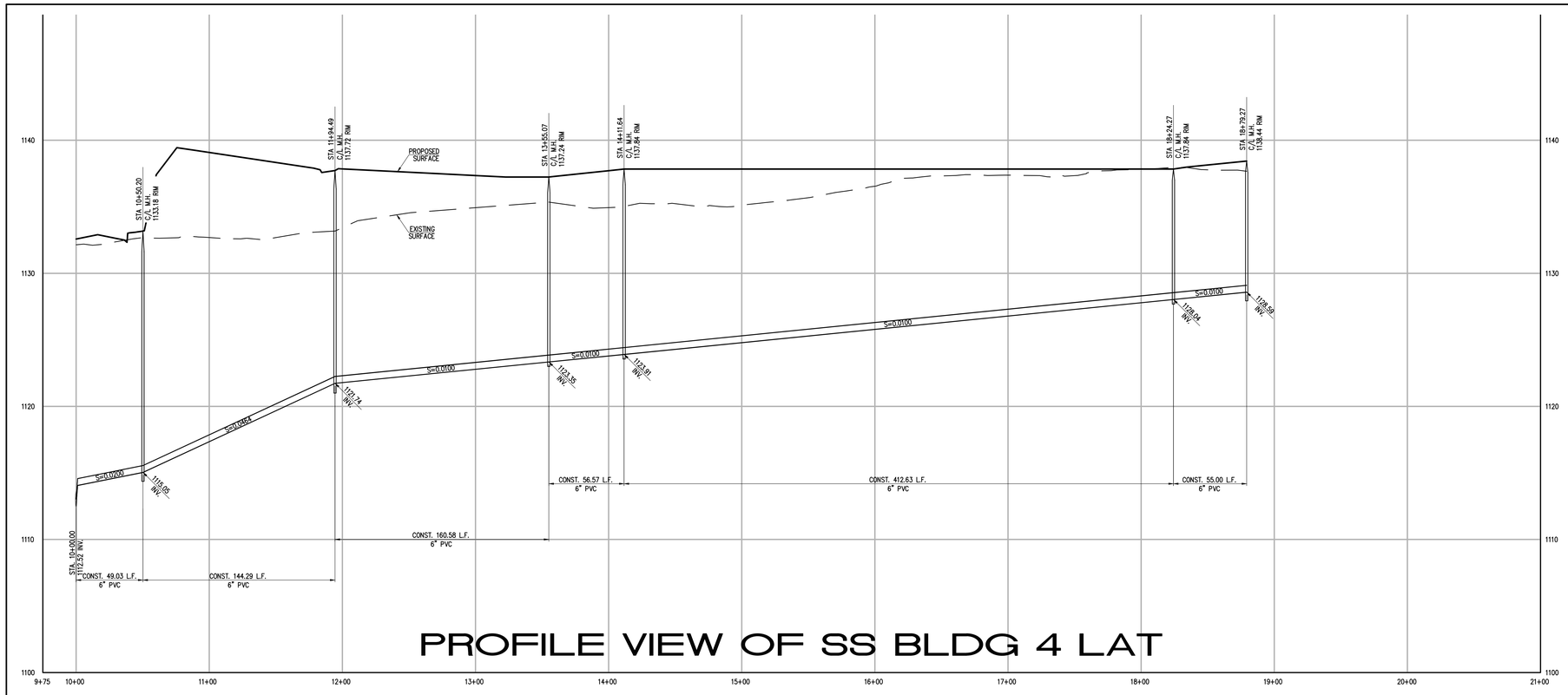
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Sheet 21 of 29 Sheets

4021 / 21 OF 29 SHEET



PROFILE VIEW OF SS BLDG 4 LAT



PROFILE VIEW OF SS BLDG 5

PROFILE SCALE:
HORIZ. - 1" = 40'
VERT. - 1" = 4'

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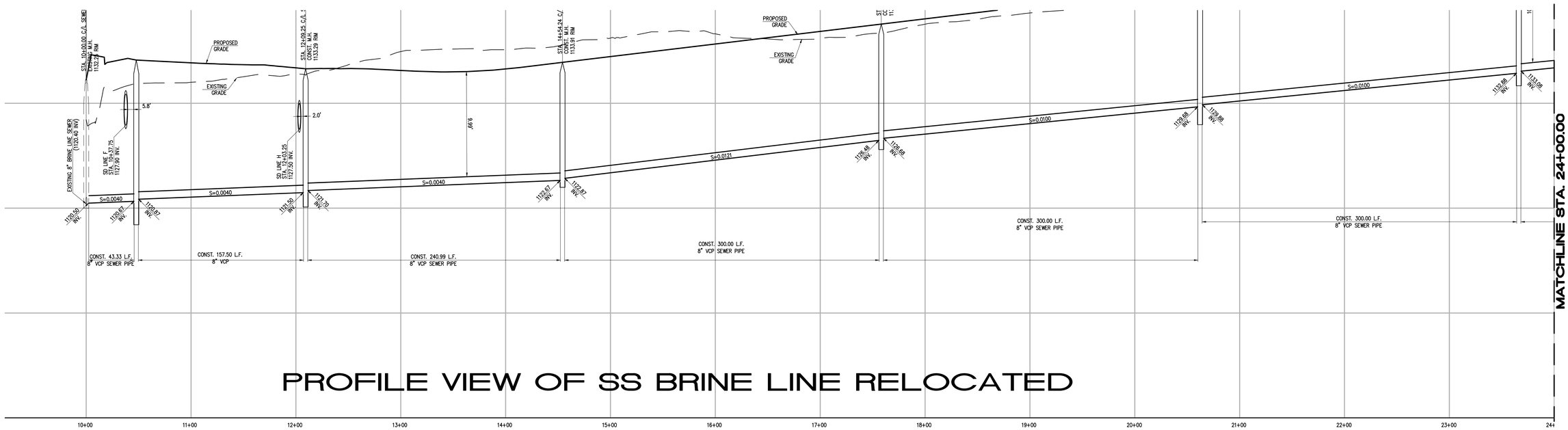
CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL ONSITE SEWER LATERAL PROFILES
SS LAT B1 AND SS LAT B2
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

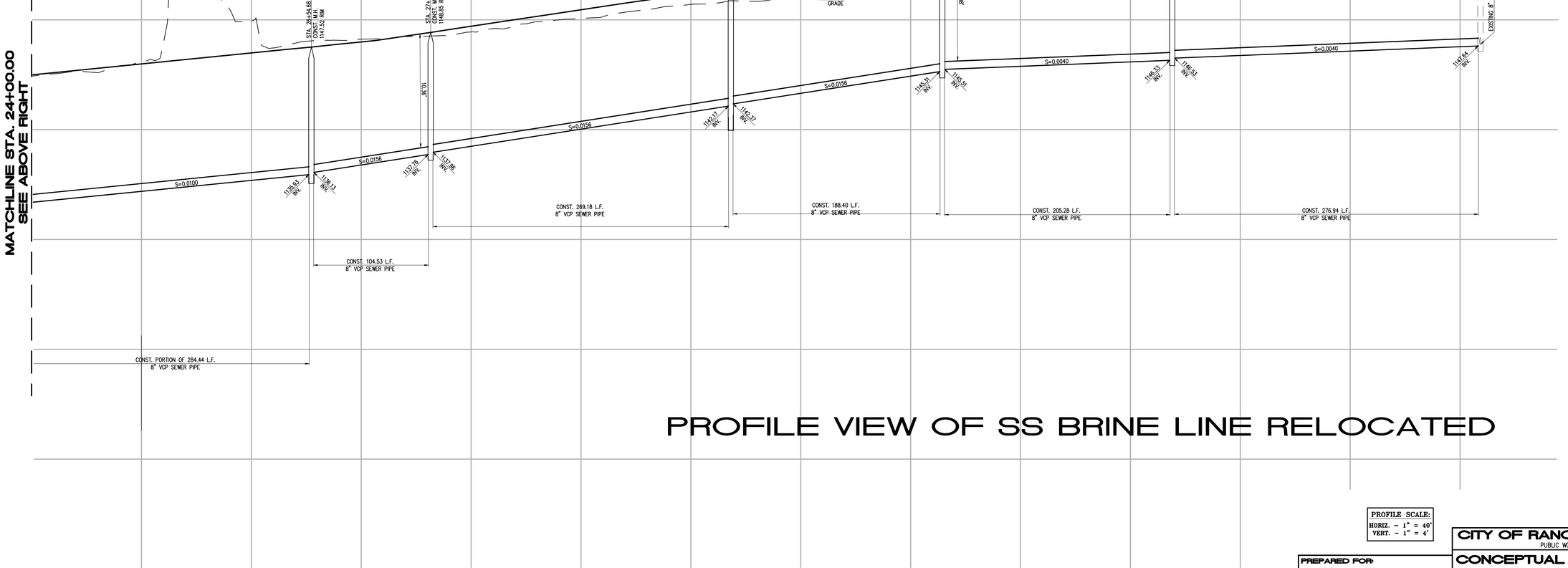
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Date _____
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Sheet 22 of 29 Sheets

4021/22 OF 29 SHEET



PROFILE VIEW OF SS BRINE LINE RELOCATED



PROFILE VIEW OF SS BRINE LINE RELOCATED

PROFILE SCALE:
HORIZ. - 1" = 40'
VERT. - 1" = 4'

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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL PUBLIC SEWER PROFILE LINE B RELOCATED 8" BRINE LINE

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

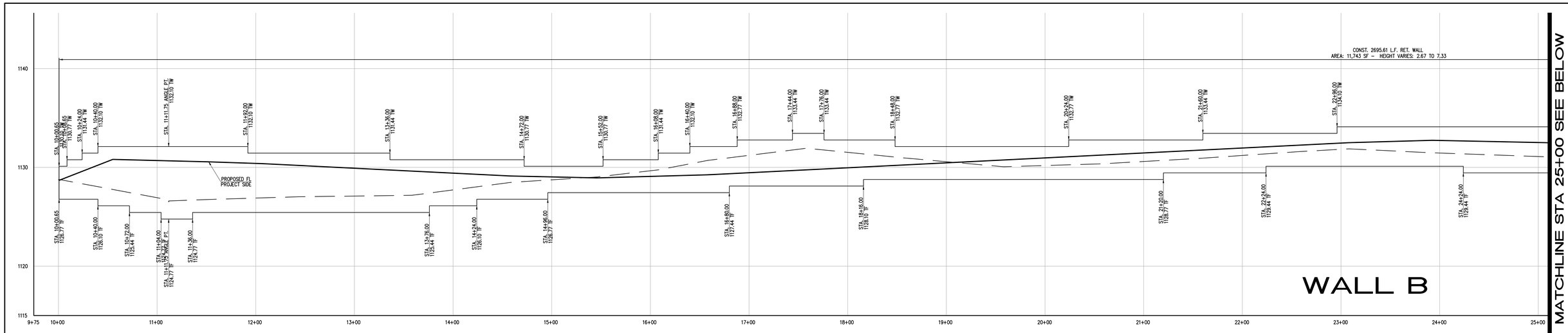
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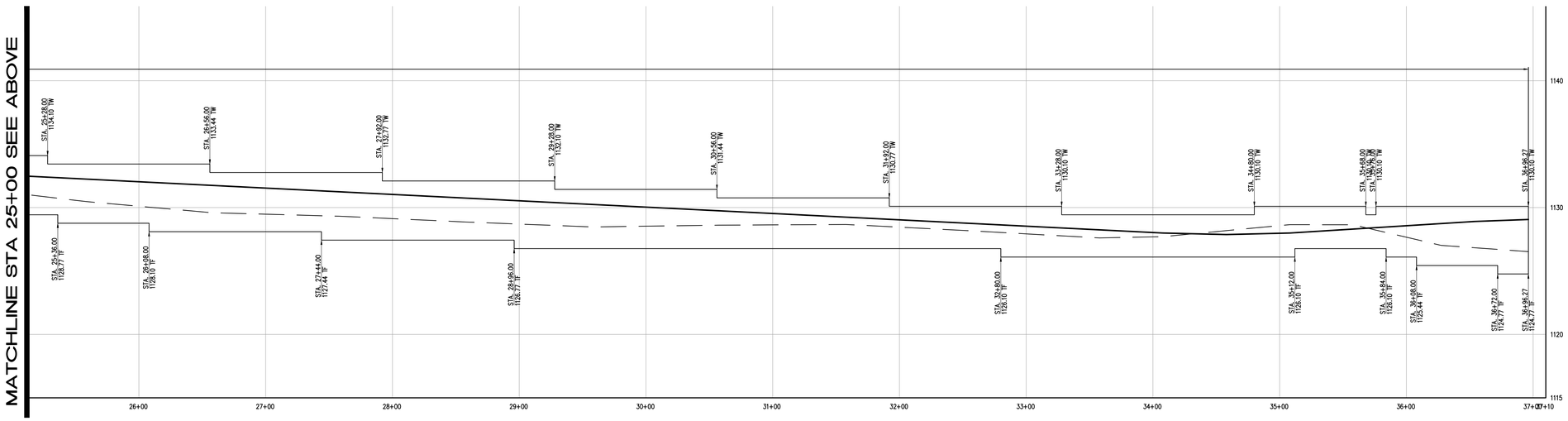
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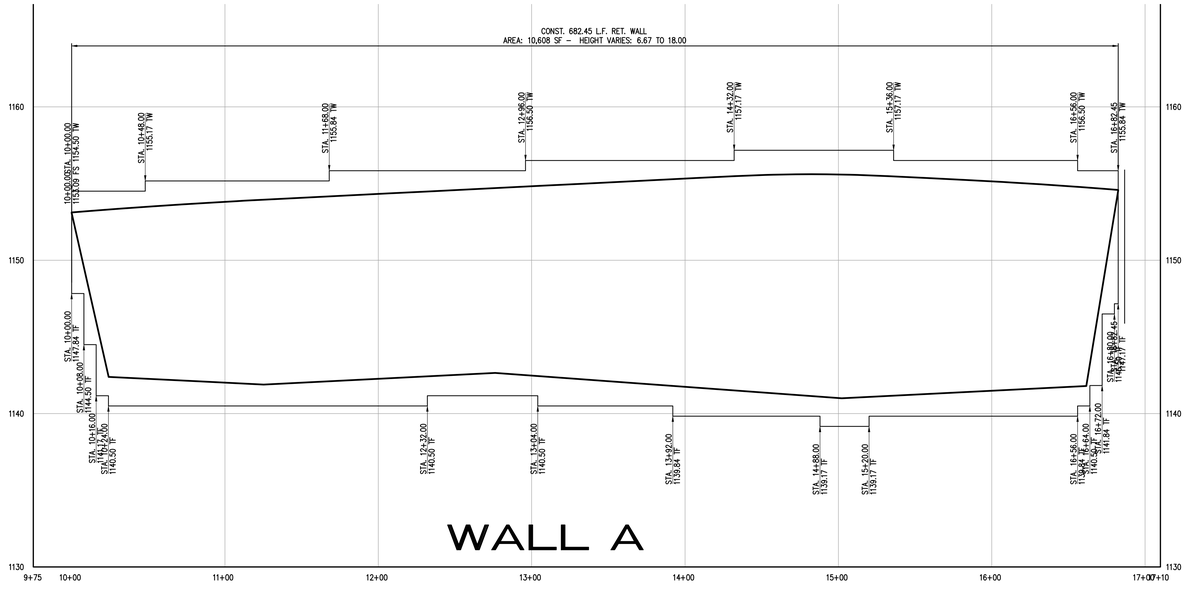
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Sheet 23 of 29 Sheets

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PROFILE SCALE:
HORIZ. – 1" = 40'
VERT. – 1" = 4'

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL RETAINING WALL PROFILES A AND B

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

PREPARED FOR:
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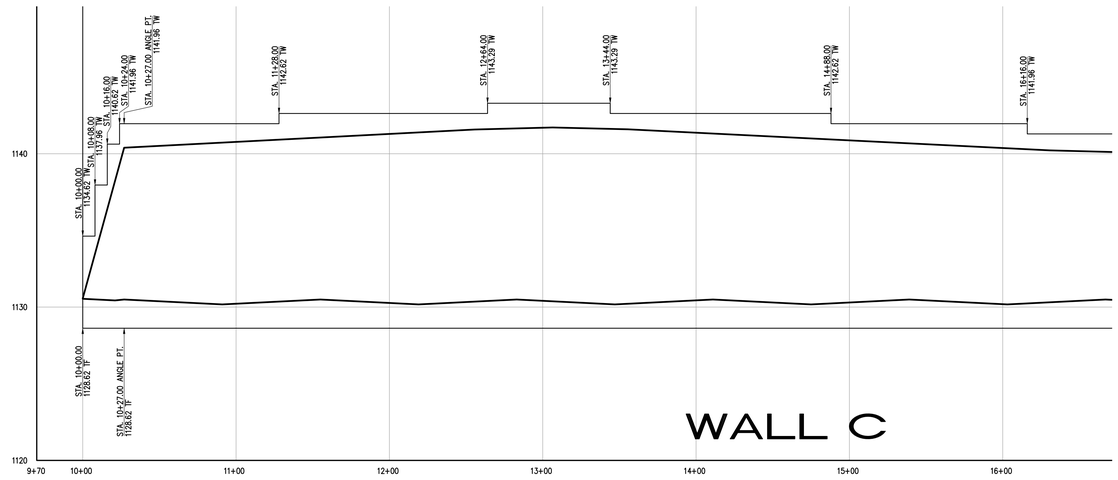
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Checked by _____ Date _____

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Sheet 24 of 29 Sheets

4021/24 OF 29 SHEET



PROFILE SCALE:
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VERT. - 1" = 4'

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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL RETAINING WALL PROFILES WALL C

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

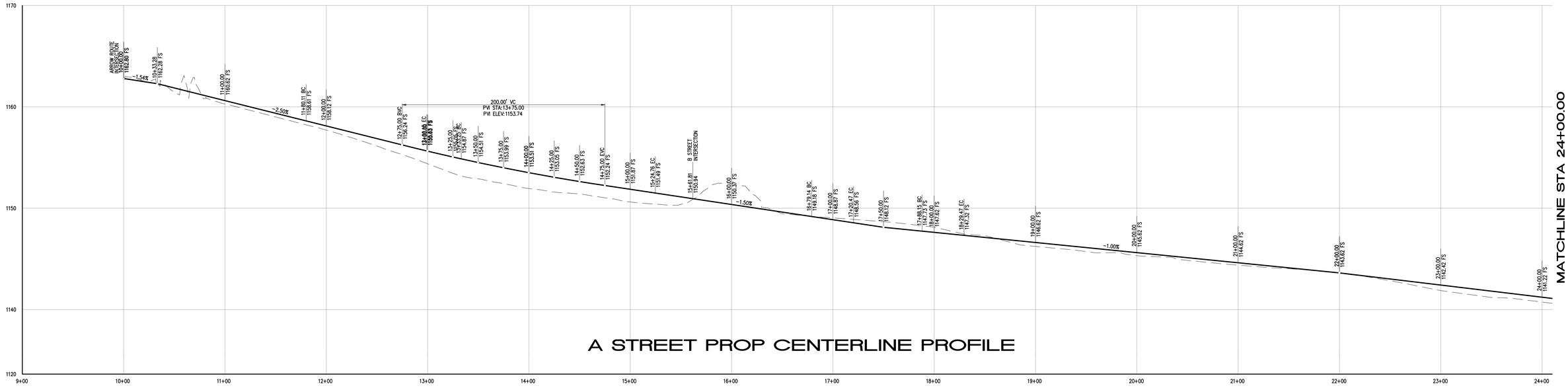
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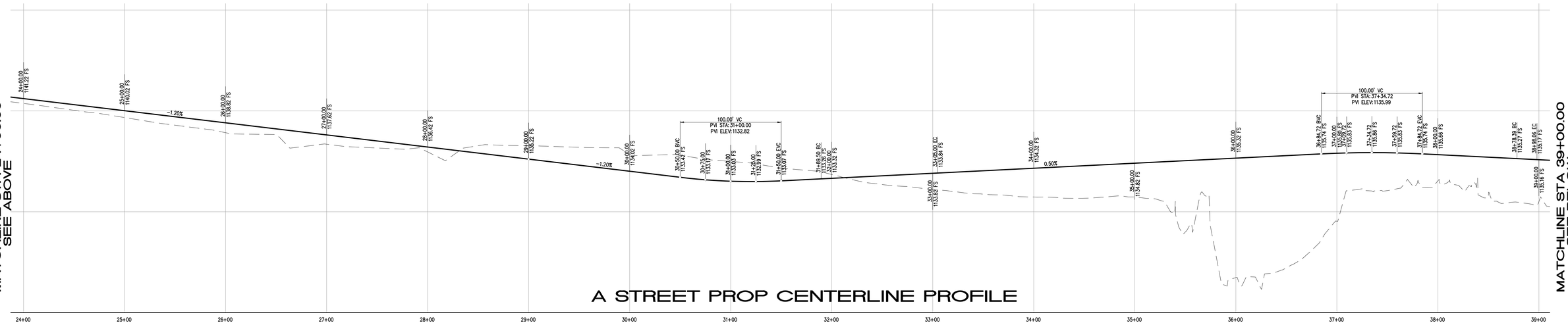
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Sheet 25 of 29 Sheets

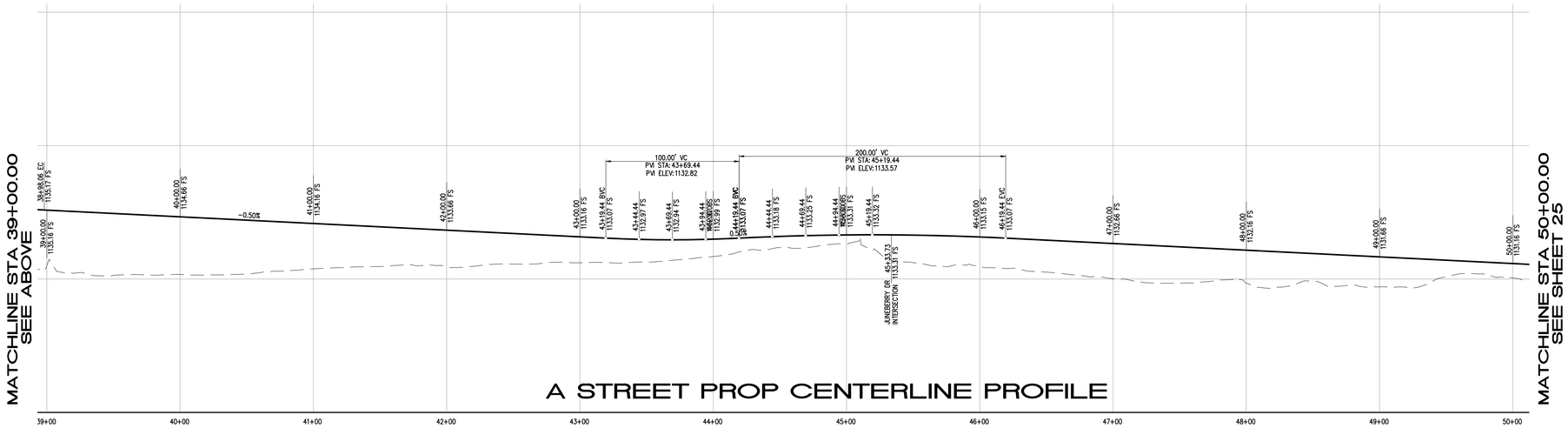
4021/25 OF 29 SHEET



A STREET PROP CENTERLINE PROFILE



A STREET PROP CENTERLINE PROFILE



A STREET PROP CENTERLINE PROFILE

PROFILE SCALE:
HORIZ. - 1" = 40'
VERT. - 1" = 4'

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL
'A STREET'
CENTERLINE PROFILE

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

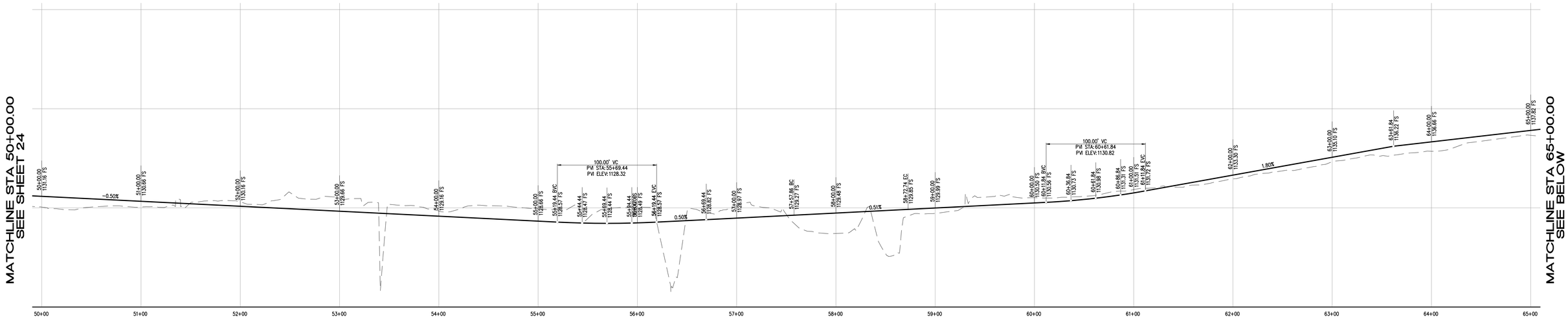
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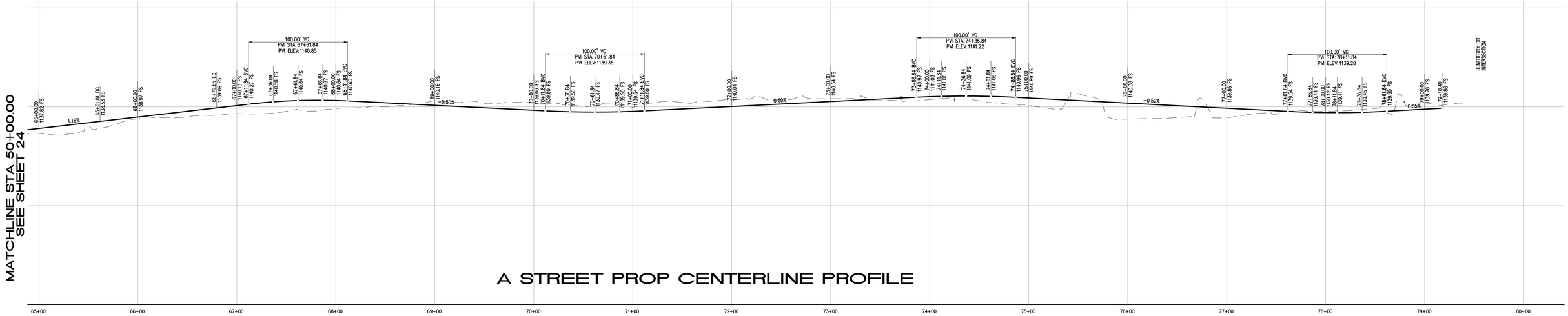
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Sheet 26 of 29 Sheets

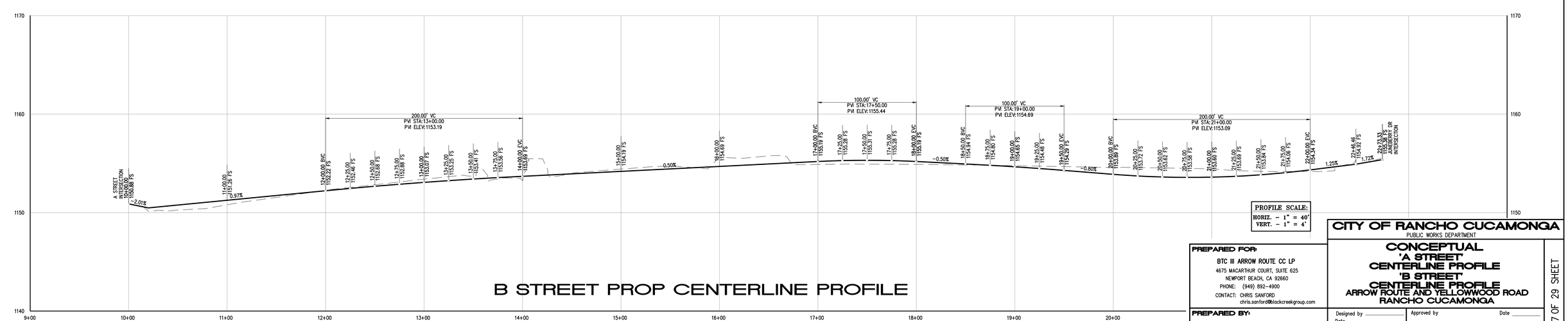
4021/26 OF 29 SHEET



A STREET PROP CENTERLINE PROFILE



A STREET PROP CENTERLINE PROFILE



B STREET PROP CENTERLINE PROFILE

PROFILE SCALE:
HORIZ. - 1" = 40'
VERT. - 1" = 4'

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL
'A STREET'
CENTERLINE PROFILE
'B STREET'
CENTERLINE PROFILE
ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

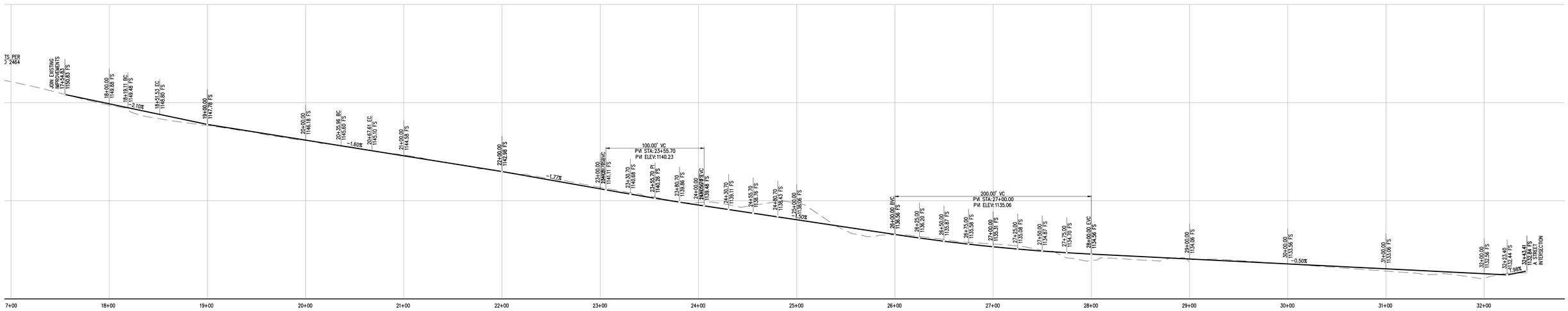
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PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
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Public Works Director R.C.E. XXXXX

Sheet 27 of 29 Sheets

4021/27 OF 29 SHEET



YELLOWWOOD ROAD PROP CENTERLINE PROFILE

PROFILE SCALE:
HORIZ. - 1" = 40'
VERT. - 1" = 4'

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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL
YELLOWWOOD ROAD
CENTERLINE PROFILE

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

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Date _____
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Date _____
Designed by _____ Public Works Director R.C.E. XXXXX
Date _____
Checked by _____
Date _____

Sheet 28 of 29 Sheets

4021/28 OF 29 SHEET

ARROW ROUTE

JUNEBERRY DRIVE

BLDG 1

BLDG 2

BLDG 3

BLDG 4

BLDG 4

BLDG 4

BLDG 5

BLDG 5

0 50 100 200 300

SCALE: 1"=100'

A.T. S.F. RAILROAD

PREPARED FOR:

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CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

CONCEPTUAL JUNEBERRY DRIVE CUT AND FILL MAP

ARROW ROUTE AND YELLOWWOOD ROAD
RANCHO CUCAMONGA

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Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____

Public Works Director _____ R.C.E. XXXXX

Sheet 29 of 29 Sheets

4021/ 29 OF 29 SHEET

CITY OF RANCHO CUCAMONGA

HAZARDOUS WASTE SITE STATEMENT

I have been informed by the City of Rancho Cucamonga of my responsibilities pursuant to California Government Code Section 65962.5 (http://leginfo.legislature.ca.gov/) to notify the City as to whether the site for which a development application has been submitted is located within an area which has been designated as the location of a hazardous waste site (attached) by the Office of Planning and Research, State of California (OPR).

I have also been informed by the City of Rancho Cucamonga that, as the date of executing this statement, OPR has not yet compiled and distributed a list of hazardous waste site as required by said Section 65962.5.

I am informed and believe that the proposed site for which a development application has been submitted is not within an area specified in said Section 65962.5 as a hazardous waste site.

I declare under penalty of perjury of the laws of the State of California that the foregoing is true and correct.

Applicant: J Carlos Palafox BTC Arrow Route CC LP (Ares Industrial Management)
Carlos Palafox, Authorized Signatory

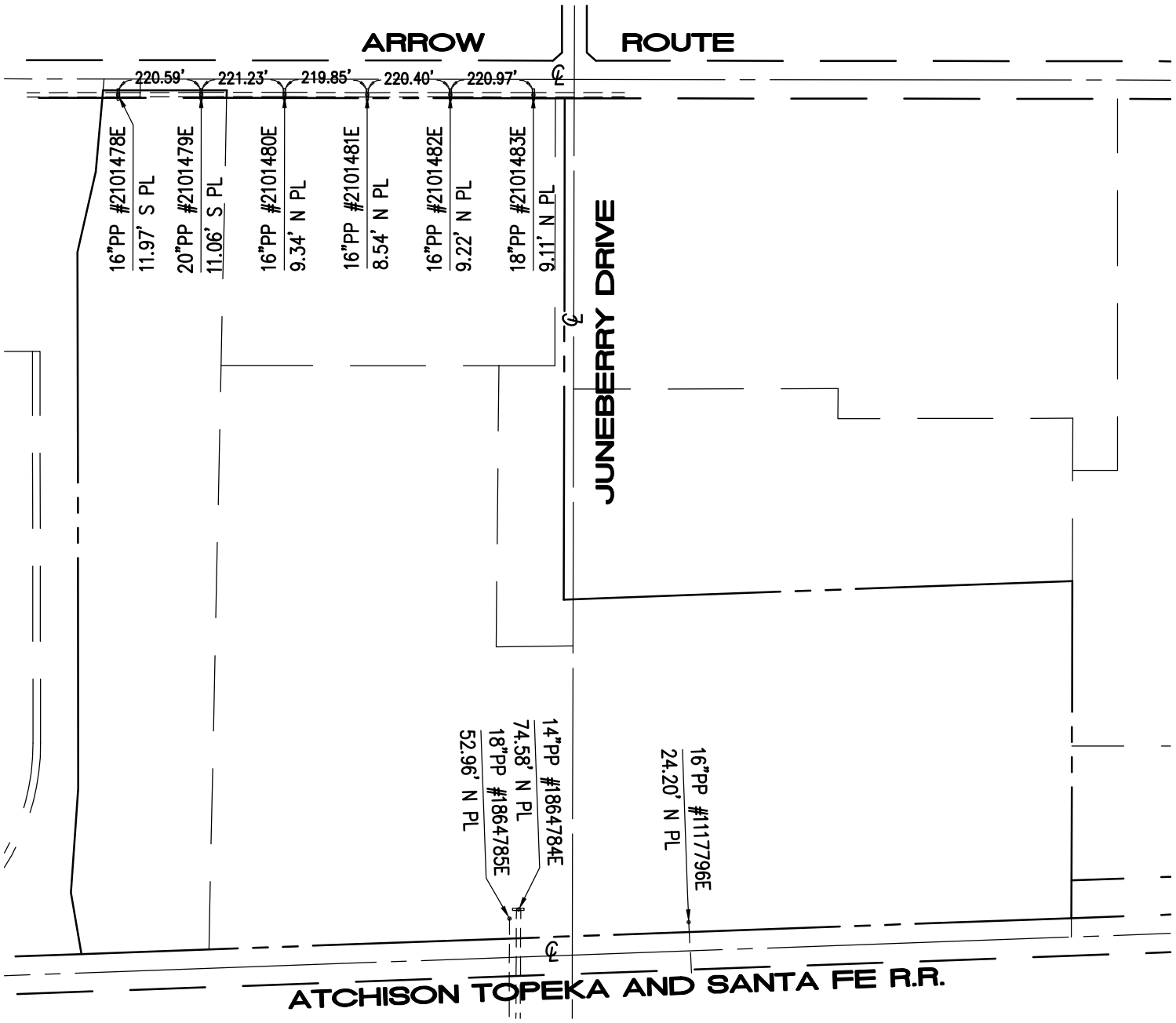
Date: 5-11-23

SCALE: 1" = 400'

EXHIBIT "B"

LOCATION OF EXISTING OVERHEAD UTILITIES

SHEET 1 OF 1



LEGEND:

- POWER POLES/TELE POLES
- OVERHEAD POWER LINES
- ~~OVERHEAD TELE LINES~~

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Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING

PRELIMINARY HYDROLOGY CALCULATIONS

FOR

ARROW ROUTE AND JUNEBERRY DRIVE
INDUSTRIAL DEVELOPMENT
RANCHO CUCAMONGA, CA

PREPARED FOR

BLACK CREEK GROUP
4675 MAC ARTHUR COURT, STE 625
NEWPORT BEACH, CA 92660
P. (949) 892-4900

MAY 8, 2023

JOB NO. 4021

PREPARED BY

THIENES ENGINEERING
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P. (714) 521-4811
FAX (714) 521-4173

PRELIMINARY HYDROLOGY CALCULATIONS

FOR

ARROW ROUTE AND JUNEBERRY DRIVE INDUSTRIAL DEVELOPMENT

PREPARED UNDER
THE SUPERVISION OF:

REINHARD STENZEL DATE
R.C.E. 56155
EXP. 12/31/2024

INTRODUCTION

A: PROJECT LOCATION

The project site is located along the south side of Arrow Route between Interstate 15 and Etiwanda Avenue, in the City of Rancho Cucamonga, California. Please see following page for vicinity map.

B: STUDY PURPOSE

The purpose of this study is to determine the existing and proposed condition 100-year peak flow rate from the site that drains southerly to two different discharge points which are conveyed southerly under the existing railroad.

C: PROJECT STAFF:

Thienes Engineering staff involved in this study include:

Reinhard Stenzel
Brian Weil



Last Update: 11/8/21
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VICINITY MAP

FOR

ARROW ROUTE AND JUNEBERRY DRIVE
RANCHO CUCAMONGA, CA

NTS

DISCUSSION

The project site encompasses approximately 96.50 acres. There is an additional approximate 14.0 acres of offsite area that is tributary to the project site. The existing condition is generally developed with buildings, stockpiles, and paved surfaces. Landscape in the existing condition is limited to the area surrounding the building in the northeast corner.

Proposed improvements to the site consist of three building along Arrow Route and two larger warehouse type buildings to the south. The warehouse buildings will have truckyards along both sides. Vehicle parking is generally along the permitter of the projects.

Off-Site Drainage

There is an existing warehouse type building and storage yard north of the proposed building 5 that drains to the project site. In the existing condition, this area drains southerly to a swale which conveys low flows easterly. High flows appear to top the swale and continue south. In the proposed condition, several drainage inlets will be provided along the property line to intercept the drainage into the proposed storm drain system.

Existing Condition

The project site is generally divided into two distinct drainage zones. The eastern portion of the site drains southeasterly, while the western portion of the site drains southwesterly. Both discharge points are along the southern property line.

North of the eastern portion of the project site, offsite area drains to a channel along the northern property line (Nodes 100-102, 11.8 acres). The channel doesn't discharge to a single location, but rather overtops and spills to the project site. The 100-year peak flow rate for this offsite area is approximately 29.9 cfs.

The eastern drive aisle from Arrow Route drains southerly through a series of open channels and underground conduits to the southeast portion of the site (Nodes 200-226, 37.6 acres). There is an existing detention basin near the southeast property corner. Runoff is discharged from this basin via a 24" storm drain which daylights out a head wall and continues southeasterly following the existing drainage pattern offsite. The runoff is then conveyed under the railroad and continues southerly. The 100-year peak flow rate for the eastern portion of the site is approximately 98.2 cfs.

The west portion of the site drains southerly towards the southwest corner of the project site (Nodes 300-314, 61.1 acres). Here the runoff from the existing building along Arrow route and the associated parking/storage areas drain southwesterly towards an existing catch basin. An existing storm drain conveys this runoff westerly and southerly towards an existing headwall into a small basin. The runoff from the areas south of the existing building drains southwesterly towards the southwest corner of the site. The runoff is then conveyed under the railroad and continues southerly. The 100-year peak flow rate for the western portion of the site is approximately 147.9 cfs.

See Appendix "B" for existing condition hydrology calculations and Appendix "D" for existing condition hydrology map.

Proposed Condition

Buildings 1 – 3, along Arrow Route, and Building 4, the westerly warehouse building, will drain to the southwest of the project site. The offsite area and Building 5, the easterly warehouse building, will drain to the southeast of the project site.

Drainage from the areas associated with Buildings 1 – 3, the drive aisle south of these buildings, and the western access road will be collected into a storm drain system and conveyed to a proposed headwall at the southwest portion of the project site (Nodes 100-138, 19.4 acres). The undetained flows will leave the project site, be conveyed under the railroad, and continue south. The 100-year peak flow rate for the Buildings 1 – 3 storm drain system is approximately 59.7 cfs.

Drainage from the areas associated with Building 4 will be collected into a storm drain system and conveyed to a proposed headwall at the southwest portion of the project site (Nodes 140-173, 43.1 acres). Storm flows in this storm drain system will be detained using both the west and east truck yards. The detained flows will leave the project site, be conveyed under the railroad, and continue south. The 100-year undetained peak flow rate for the Building 4 storm drain system is approximately 146.8 cfs.

Drainage from the areas associated with Building 5, Juneberry Drive, the eastern access road, and the southern access road will be collected into a storm drain system and conveyed to a proposed headwall at the southeast portion of the project site (Nodes 200-257, 46.9 acres). Storm flows in this storm drain system will be detained using both the south and north truck yards. The detained flows will leave the project site, be conveyed under the railroad, and continue south. The 100-year undetained peak flow rate for the Building 5 storm drain system is approximately 150.5 cfs.

See Appendix "B" for proposed condition hydrology calculations and Appendix "D" for proposed condition hydrology map.

Detention Analysis

Onsite storm flow detention will be utilized to reduce the proposed condition flow rate below the existing condition rate. The truck yard areas of Buildings 4 and 5 provide the storage volume, storm drain size restrictions reduce the discharge.

A small area unit hydrograph was established for the tributary area to the truck yards. A rating curve was developed using the available ponding in the truck yards for storage and an orifice equation for the reduced storm drain size discharge.

The discharge from the truck yard on the west side of Building 4 (Nodes 140-151, 25.1 acres) is reduced from 81.1 cfs to 46.4 cfs with the remaining volume temporarily stored in the truck yard at a depth of about 0.50'.

The discharge from the truck yard on the east side of Building 4 (Nodes 160-169, 16.9 acres) is reduced from 64.4 cfs to 35.9 cfs with the remaining volume temporarily stored in the truck yard at a depth of about 0.43'.

The discharge from the truck yard on the south side of Building 5 (Nodes 220-226, 11.4 acres) is reduced from 41.0 cfs to 23.5 cfs with the remaining volume temporarily stored in the truck yard at a depth of about 0.52'.

The discharge from the truck yard on the north side of Building 5 (Nodes 230-238, 10.0 acres) is reduced from 44.6 cfs to 24.0 cfs with the remaining volume temporarily stored in the truck yard at a depth of about 0.39'.

See Appendix "C" for detention calculations.

Summary

The following is a summary of the existing and proposed 100-year site runoff.

Existing Condition		
Node Number ()	Tributary Area (ac)	Q100 (cfs)
102	11.8	29.9
226	37.6	98.2
314	61.1	147.9
Total	110.5	276.0

Proposed Condition			
Node Number ()	Tributary Area (ac)	Unmitigated Q100 (cfs)	Mitigated Q100 (cfs)
138	19.4	59.7	59.7
151	25.1	81.1	46.4
169	16.9	64.4	35.9
170	0.5	1.9	1.9
171	0.6	2.0	2.0
216	7.5	19.8	19.8
226	11.4	41.0	23.5
238	10.0	44.6	24.0
239	0.8	3.2	3.2
255	17.2	56.0	56.0
Total	109.4	373.7	272.4

Note: There is 1.1 acres of landscape that drains to the south.

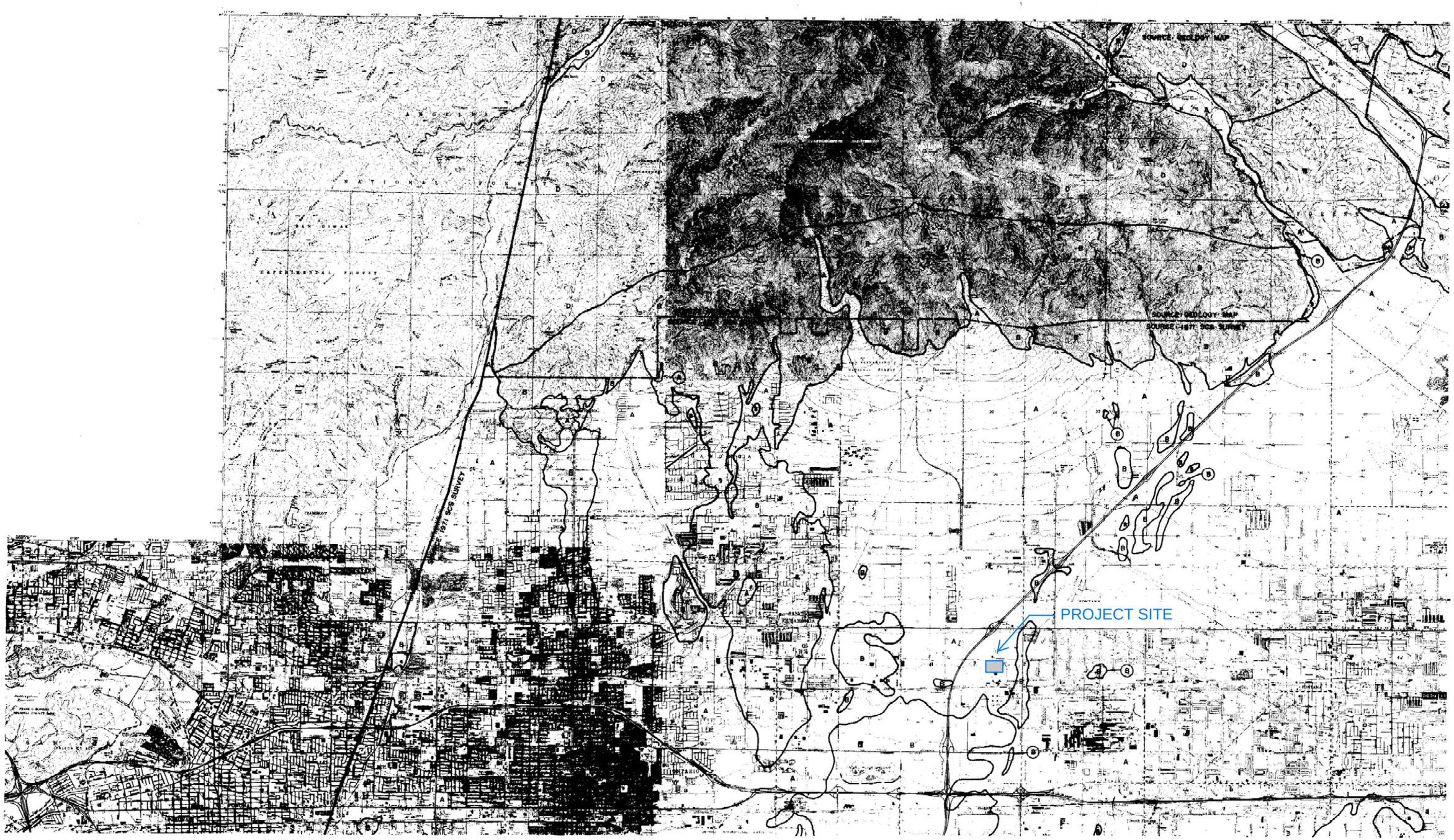
Methodology

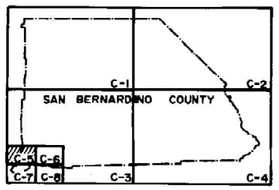
The hydrology calculations were computed using the San Bernardino County Rational Method Program (by AES software). The detention analysis was computed using the San Bernardino County Flood Routing Analysis (by AES Software). The soil type is “A” per the San Bernardino County Hydrology Manual.

APPENDIX	DESCRIPTION
A	REFERENCE MATERIALS
B	HYDROLOGY CALCULATIONS
C	DETENTION CALCULATIONS
D	HYDROLOGY MAPS

APPENDIX A

REFERENCE MATERIALS





INDEX MAP

LEGEND
SOIL GROUP BOUNDARY
A SOIL GROUP DESIGNATION
BOUNDARY OF INDICATED SOURCE

SCALE 1:48,000

SCALE REDUCED BY 1/2

SAN BERNARDINO COUNTY
HYDROLOGY MANUAL

HYDROLOGIC SOILS GROUP MAP
FOR
SOUTHWEST-A AREA

FIGURE C-13

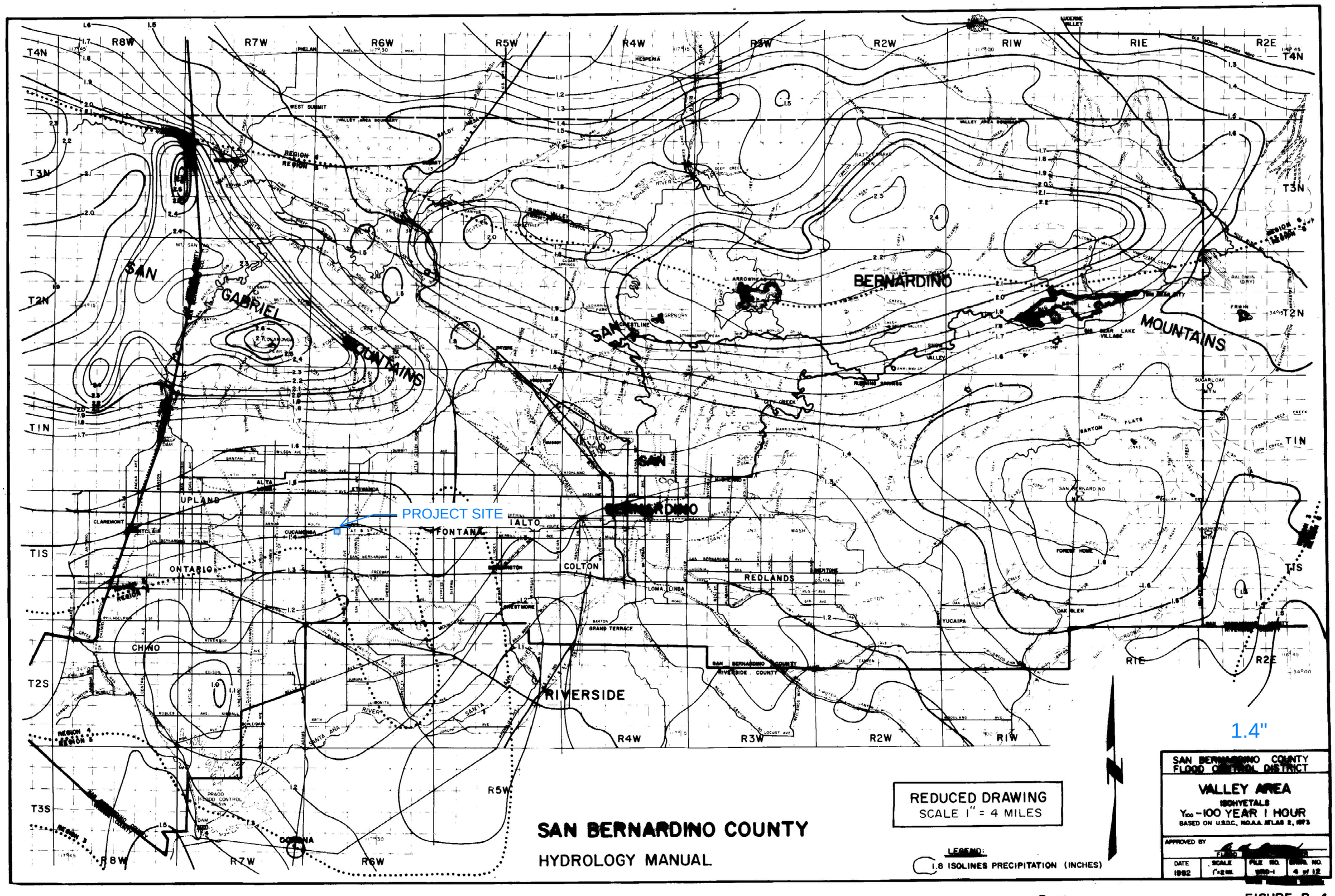

PROJECT SITE
SAN BERNARDINO COUNTY
HYDROLOGY MANUAL
REDUCED DRAWING
SCALE 1" = 4 MILES
LEGEND:
1.8 ISOLINES PRECIPITATION (INCHES)
1.4"
SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
VALLEY AREA
ISOHYETALS
Y100 - 100 YEAR 1 HOUR
BASED ON U.S.D.C., N.O.A.A. ATLAS 2, 1973
APPROVED BY
DATE 1982
SCALE 1"=2 MI.
FILE NO. VAH-1
SHEET NO. 4 of 12
SAN GABRIEL MOUNTAINS
SAN BERNARDINO MOUNTAINS
R8W
R7W
R6W
R5W
R4W
R3W
R2W
R1W
R1E
R2E
T4N
T3N
T2N
T1N
T1S
T2S
T3S
UPLAND
CLAREMONT
ONTARIO
CHINO
FONTANA
RIALTO
COLTON
REDLANDS
LOMA LINDA
GRAND TERRACE
YUCAIPA
RIVERSIDE
CORONA
HESPERIA
LUCERNE VALLEY
BIG BEAR LAKE
BIG BEAR CITY
SUGARLOAD MTN.
PRADO FLOOD CONTROL BASIN

FIGURE B-4

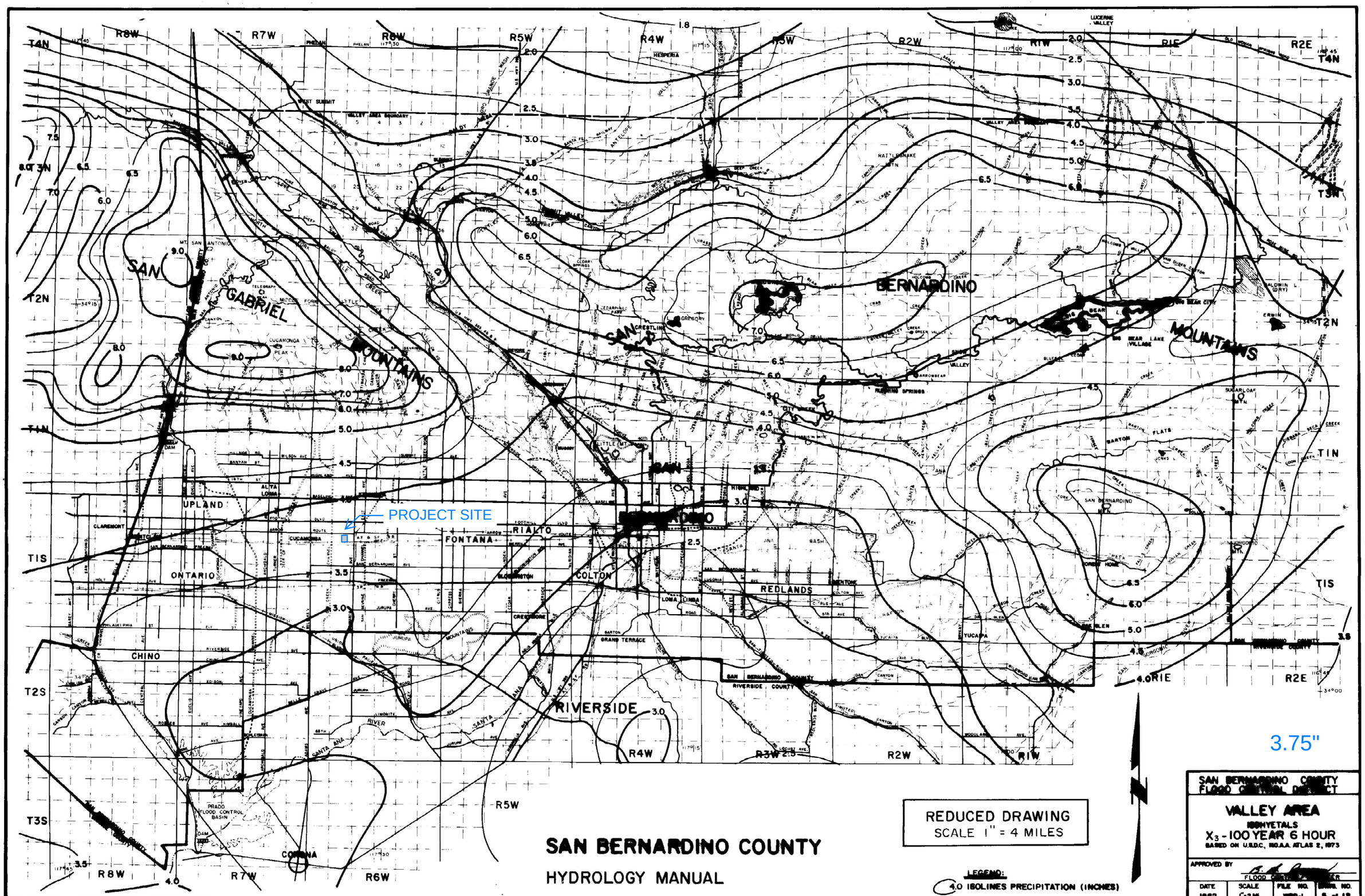

PROJECT SITE
3.75"
SAN BERNARDINO COUNTY
HYDROLOGY MANUAL
REDUCED DRAWING
SCALE 1" = 4 MILES
LEGEND:
4.0 ISOLINES PRECIPITATION (INCHES)
SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT
VALLEY AREA
ISOHYETALS
X3 - 100 YEAR 6 HOUR
BASED ON U.S.D.C., N.O.A.A. ATLAS 2, 1973
APPROVED BY
DATE 1982
SCALE 1"=2 MI.
FILE NO. WRD-1
DWG. NO. 3 of 12
SAN GABRIEL MOUNTAINS
SAN BERNARDINO MOUNTAINS
UPLAND
ONTARIO
CHINO
CLAREMONT
FONTANA
RIALTO
COLTON
REDLANDS
LOMA LINDA
RIVERSIDE
CORONA
SAN BERNARDINO
HIGHLAND
YUCAIPA
CRESTLINE
LAKE ARROWHEAD
BIG BEAR LAKE
BIG BEAR CITY
SAN BERNARDINO COUNTY
RIVERSIDE COUNTY
PRADO FLOOD CONTROL BASIN
SANTA ANA RIVER
T4N
T3N
T2N
T1N
T1S
T2S
T3S
R8W
R7W
R6W
R5W
R4W
R3W
R2W
R1W
R1E
R2E

FIGURE B-5

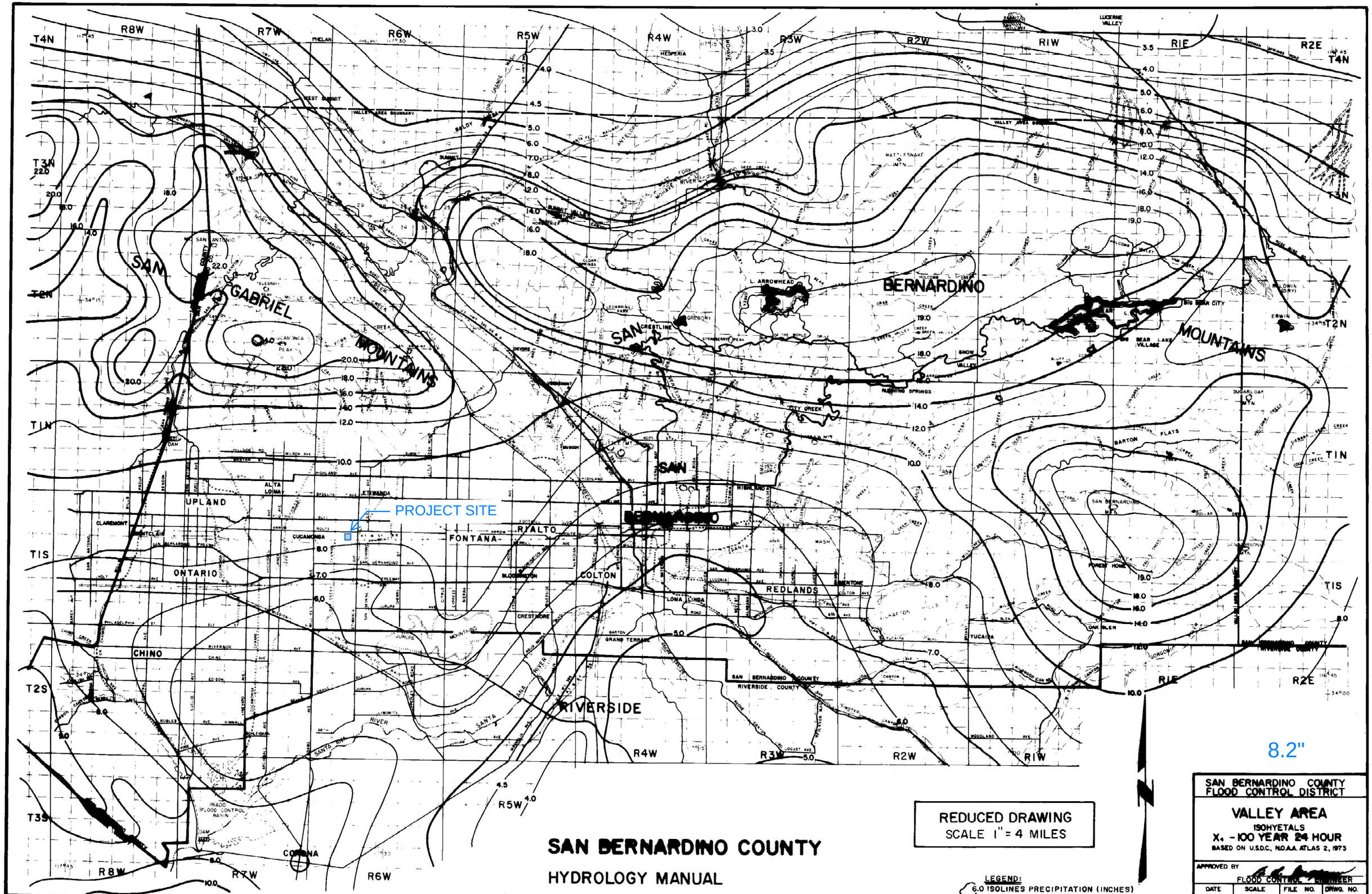
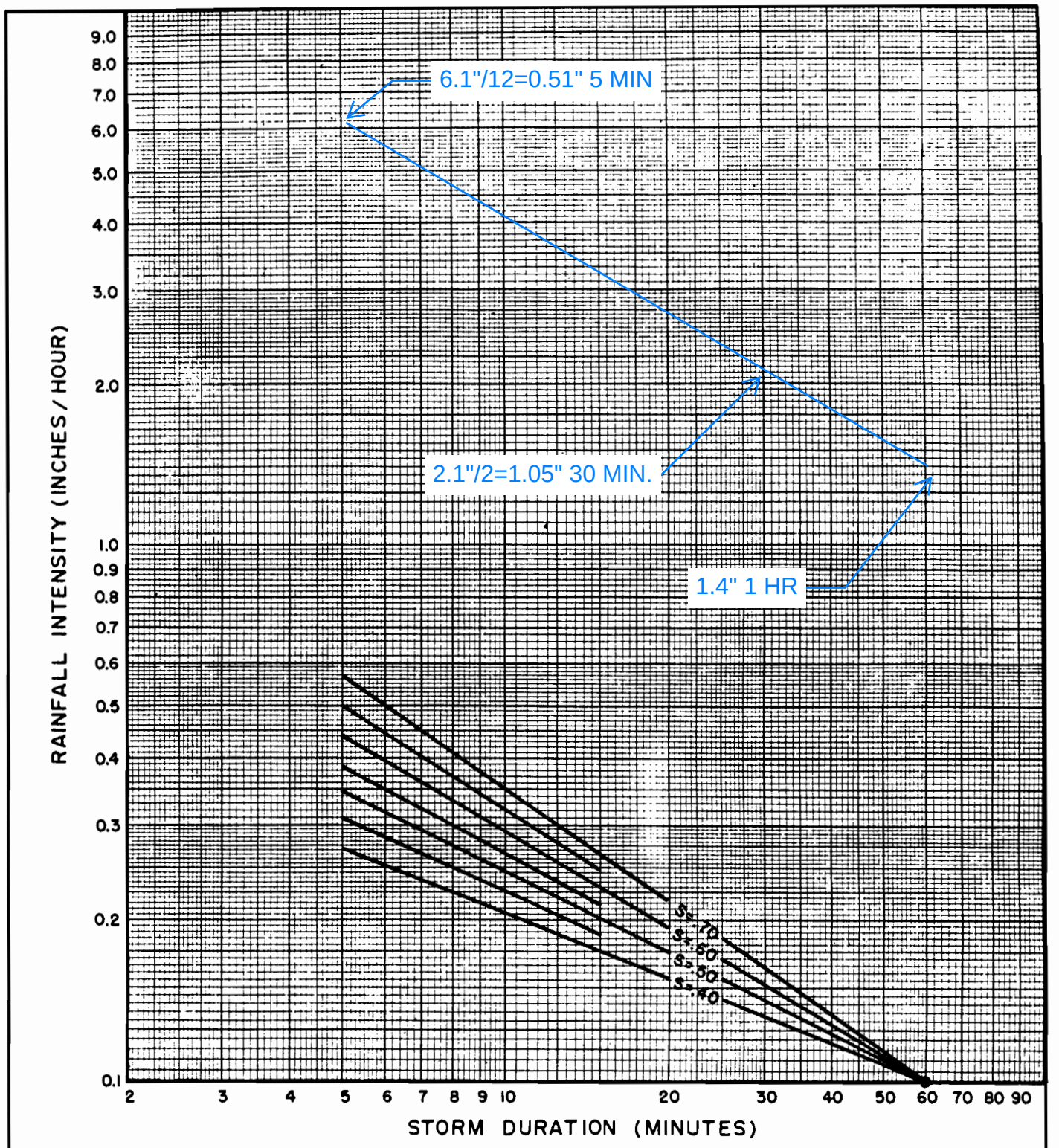

PROJECT SITE
SAN GABRIEL MOUNTAINS
SAN BERNARDINO MOUNTAINS
SAN BERNARDINO
RIVERSIDE
UPLAND
ONTARIO
CHINO
CORONA
FONTANA
RIALTO
COLTON
REDLANDS
LOMA LINDA
CRESTMORE
GRAND TERRACE
YUCAIPA
CRESTLINE
LAKE ARROWHEAD
RUNNING SPRINGS
BIG BEAR CITY
BEAR LAKE VILLAGE
SNOW VALLEY
HESPERIA
LUCERNE VALLEY
SAN BERNARDINO COUNTY
RIVERSIDE COUNTY
T4N
T3N
T2N
T1N
T1S
T2S
T3S
R8W
R7W
R6W
R5W
R4W
R3W
R2W
R1W
R1E
R2E
REDUCED DRAWING
SCALE 1" = 4 MILES
LEGEND:
6.0 ISOLINES PRECIPITATION (INCHES)
SAN BERNARDINO COUNTY
HYDROLOGY MANUAL
SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
VALLEY AREA
ISOHYETALS
X4 - 100 YEAR 24 HOUR
BASED ON U.S.D.C., N.O.A.A. ATLAS 2, 1973
APPROVED BY
FLOOD CONTROL ENGINEER
DATE 1982
SCALE 1"=2 MI.
FILE NO. WRD-1
DRWG. NO. 6 of 12
8.2"

FIGURE B-6



DESIGN STORM FREQUENCY = 100 YEARS

ONE HOUR POINT RAINFALL = 1.4" INCHES

LOG-LOG SLOPE = 0.60"

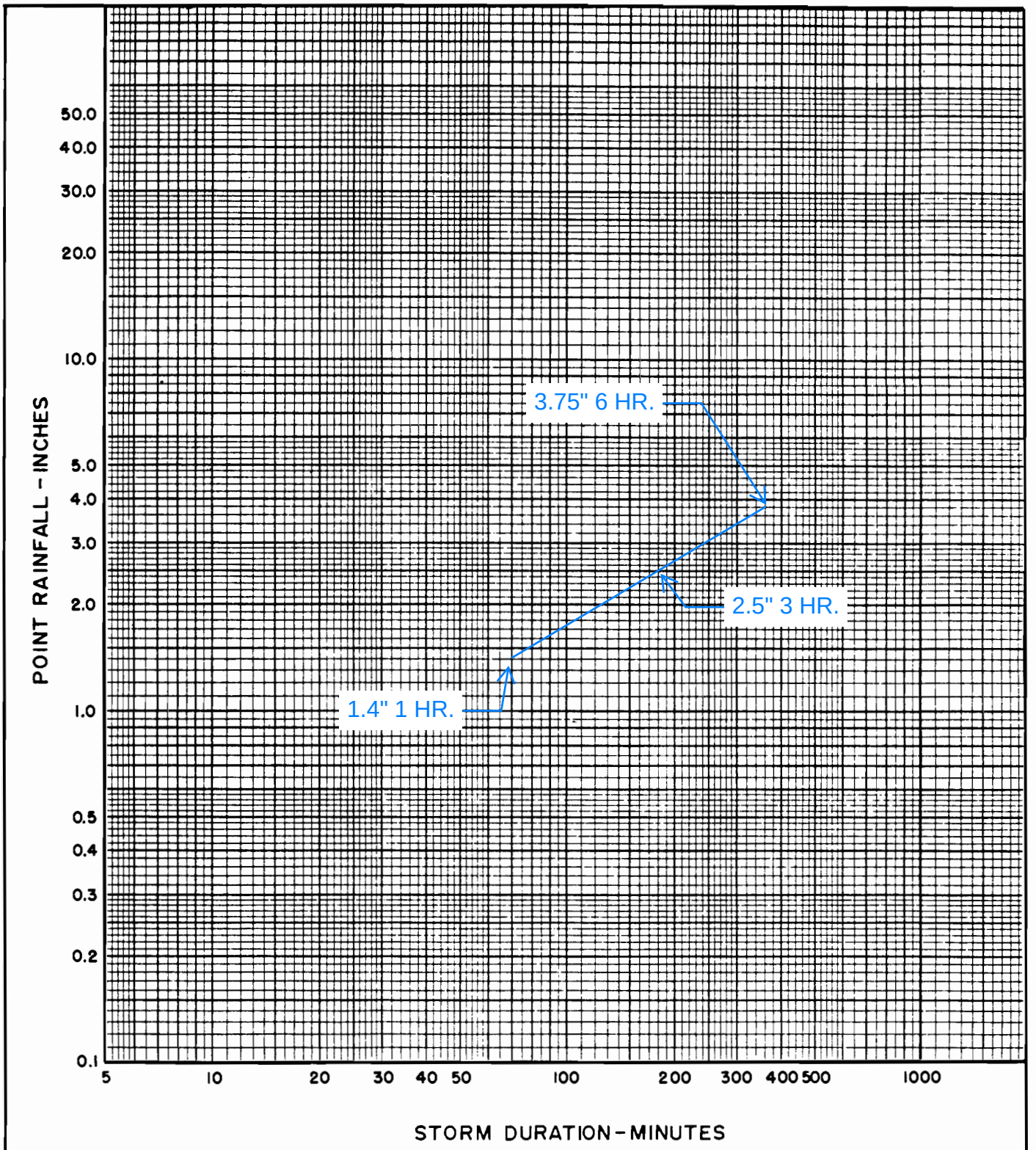
PROJECT LOCATION = ARROW AND JUNEBERRY

SAN BERNARDINO COUNTY

HYDROLOGY MANUAL

INTENSITY - DURATION CURVES CALCULATION SHEET

FIGURE D-3



PROJECT LOCATION ARROW AND JUNEBERRY

NOTES TEI JOB NUMBER 4021

SAN BERNARDINO COUNTY

HYDROLOGY MANUAL

AREA - AVERAGED MASS RAINFALL PLOTTING SHEET

FIGURE E-8

APPENDIX B

HYDROLOGY CALCULATIONS

```
**************************************************************************
            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
         (Reference: 1986 SAN BERNARDINO CO. HYDROLOGY CRITERION)
        (c) Copyright 1983-2016 Advanced Engineering Software (aes)
            Ver. 23.0  Release Date: 07/01/2016  License ID 1435

                          Analysis prepared by:



 ************************* DESCRIPTION OF STUDY *************************
* ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA                        *
* EXISTING CONDITION - NODES 100-102                                    *
* HYDROLOGIC ANALYSIS - 100-YEAR                                        *
 ************************************************************************

  FILE NAME: 4021EX1C.DAT
  TIME/DATE OF STUDY: 16:00 05/03/2023
==========================================================================
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
==========================================================================
                    --*TIME-OF-CONCENTRATION MODEL*--

  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  *USER-DEFINED LOGARITHMIC INTERPOLATION USED FOR RAINFALL*

  SLOPE OF INTENSITY DURATION CURVE(LOG(I;IN/HR) vs. LOG(Tc;MIN)) = 0.6000
  USER SPECIFIED 1-HOUR INTENSITY(INCH/HOUR) = 1.4000

  *ANTECEDENT MOISTURE CONDITION (AMC) III ASSUMED FOR RATIONAL METHOD*

  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  ========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
  *USER-SPECIFIED MINIMUM TOPOGRAPHIC SLOPE ADJUSTMENT NOT SELECTED

**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
==========================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   977.00
  ELEVATION DATA: UPSTREAM(FEET) =   1148.10  DOWNSTREAM(FEET) =   1138.90

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =   12.135
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.652
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        3.60      0.74      0.100    52   12.14
  NATURAL POOR COVER
  "BARREN"                   A        2.80      0.18      1.000    93   20.96
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.494
```

```
  SUBAREA RUNOFF(CFS) =     20.34
  TOTAL AREA(ACRES) =      6.40   PEAK FLOW RATE(CFS) =     20.34

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    102.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1138.90  DOWNSTREAM(FEET) =   1138.10
  CHANNEL LENGTH THRU SUBAREA(FEET) =   529.00   CHANNEL SLOPE =  0.0015
  CHANNEL BASE(FEET) =    0.00   "Z" FACTOR =   5.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.963
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.20      0.74     0.100    52
  NATURAL POOR COVER
  "BARREN"                   A        5.20      0.18     1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.967
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      27.14
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.74
  AVERAGE FLOW DEPTH(FEET) =   1.77   TRAVEL TIME(MIN.) =   5.06
  Tc(MIN.) =   17.20
  SUBAREA AREA(ACRES) =     5.40       SUBAREA RUNOFF(CFS) =   13.55
  EFFECTIVE AREA(ACRES) =     11.80     AREA-AVERAGED Fm(INCH/HR) =   0.15
  AREA-AVERAGED Fp(INCH/HR) =   0.21  AREA-AVERAGED Ap =   0.71
  TOTAL AREA(ACRES) =       11.8         PEAK FLOW RATE(CFS) =      29.92

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  1.83   FLOW VELOCITY(FEET/SEC.) =   1.79
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    102.00 =    1506.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       11.8  TC(MIN.) =     17.20
  EFFECTIVE AREA(ACRES) =     11.80  AREA-AVERAGED Fm(INCH/HR)=  0.15
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap = 0.710
  PEAK FLOW RATE(CFS)   =      29.92
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
**************************************************************************
            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
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            Ver. 23.0  Release Date: 07/01/2016  License ID 1435

                          Analysis prepared by:



 ************************* DESCRIPTION OF STUDY *************************
* ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA                        *
* EXISTING CONDITION - NODES 200-226                                    *
* HYDROLOGIC ANALYSIS - 100-YEAR                                        *
 ************************************************************************

  FILE NAME: 4021EX2C.DAT
  TIME/DATE OF STUDY: 16:00 05/03/2023
==========================================================================
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
==========================================================================
                    --*TIME-OF-CONCENTRATION MODEL*--

  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  *USER-DEFINED LOGARITHMIC INTERPOLATION USED FOR RAINFALL*

  SLOPE OF INTENSITY DURATION CURVE(LOG(I;IN/HR) vs. LOG(Tc;MIN)) = 0.6000
  USER SPECIFIED 1-HOUR INTENSITY(INCH/HOUR) = 1.4000

  *ANTECEDENT MOISTURE CONDITION (AMC) III ASSUMED FOR RATIONAL METHOD*

  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  ========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0312 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
  *USER-SPECIFIED MINIMUM TOPOGRAPHIC SLOPE ADJUSTMENT NOT SELECTED

**************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    201.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
==========================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   751.00
  ELEVATION DATA: UPSTREAM(FEET) =   1163.50  DOWNSTREAM(FEET) =   1150.21

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    9.628
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.197
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        1.10      0.74      0.100    52    9.63
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      4.08
  TOTAL AREA(ACRES) =      1.10   PEAK FLOW RATE(CFS) =      4.08
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    202.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1150.21  DOWNSTREAM(FEET) =   1138.22
  CHANNEL LENGTH THRU SUBAREA(FEET) =   770.00   CHANNEL SLOPE =  0.0156
  CHANNEL FLOW THRU SUBAREA(CFS) =       4.08
  FLOW VELOCITY(FEET/SEC) =   2.51 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   5.11   Tc(MIN.) =   14.74
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    202.00 =    1521.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    202.00 TO NODE    202.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   14.74
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.250
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        4.20      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    4.20      SUBAREA RUNOFF(CFS) =   12.01
  EFFECTIVE AREA(ACRES) =      5.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        5.3       PEAK FLOW RATE(CFS) =      15.15

****************************************************************************
  FLOW PROCESS FROM NODE    202.00 TO NODE    203.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1131.70  DOWNSTREAM(FEET) =  1126.90
  FLOW LENGTH(FEET) =  1496.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  19.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.86
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      15.15
  PIPE TRAVEL TIME(MIN.) =   5.13    Tc(MIN.) =   19.87
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    203.00 =    3017.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    203.00 TO NODE    203.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   19.87
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.717
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.10      0.74      0.100    52
  NATURAL POOR COVER
  "BARREN"                   A        3.20      0.18      1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.973
  SUBAREA AREA(ACRES) =    3.30      SUBAREA RUNOFF(CFS) =    7.54
  EFFECTIVE AREA(ACRES) =      8.60   AREA-AVERAGED Fm(INCH/HR) =  0.11
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.43
  TOTAL AREA(ACRES) =        8.6       PEAK FLOW RATE(CFS) =      20.15

****************************************************************************
  FLOW PROCESS FROM NODE    203.00 TO NODE    204.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
```

```
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1126.90  DOWNSTREAM(FEET) =  1124.56
  FLOW LENGTH(FEET) =   265.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  19.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.52
  ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      20.15
  PIPE TRAVEL TIME(MIN.) =   0.59    Tc(MIN.) =   20.46
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    204.00 =    3282.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    204.00 TO NODE    226.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1124.56  DOWNSTREAM(FEET) =   1123.70
  CHANNEL LENGTH THRU SUBAREA(FEET) =    99.00   CHANNEL SLOPE =  0.0087
  CHANNEL BASE(FEET) =   12.00   "Z" FACTOR =   1.500
  MANNING'S FACTOR = 0.035   MAXIMUM DEPTH(FEET) =   3.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.622
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   A        0.20      0.18     1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.000
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      20.37
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.64
  AVERAGE FLOW DEPTH(FEET) =   0.60   TRAVEL TIME(MIN.) =   0.62
  Tc(MIN.) =   21.08
  SUBAREA AREA(ACRES) =     0.20       SUBAREA RUNOFF(CFS) =    0.44
  EFFECTIVE AREA(ACRES) =      8.80     AREA-AVERAGED Fm(INCH/HR) =   0.12
  AREA-AVERAGED Fp(INCH/HR) =   0.26  AREA-AVERAGED Ap =   0.45
  TOTAL AREA(ACRES) =        8.8         PEAK FLOW RATE(CFS) =      20.15
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.59   FLOW VELOCITY(FEET/SEC.) =   2.64
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    226.00 =    3381.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    226.00 TO NODE    226.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
==========================================================================

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    211.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
==========================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   964.00
  ELEVATION DATA: UPSTREAM(FEET) =   1139.60  DOWNSTREAM(FEET) =   1130.20

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =   11.987
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.680
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        1.60      0.74     0.100    52   11.99
  NATURAL POOR COVER
  "BARREN"                   A        5.50      0.18     1.000    93   20.70
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.797
  SUBAREA RUNOFF(CFS) =     22.51
  TOTAL AREA(ACRES) =      7.10   PEAK FLOW RATE(CFS) =     22.51

****************************************************************************
```

```
 FLOW PROCESS FROM NODE    211.00 TO NODE    212.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1130.20  DOWNSTREAM(FEET) =  1123.80
 FLOW LENGTH(FEET) =   653.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  27.0 INCH PIPE IS  17.5 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   8.25
 ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      22.51
 PIPE TRAVEL TIME(MIN.) =   1.32    Tc(MIN.) =   13.30
 LONGEST FLOWPATH FROM NODE    210.00 TO NODE    212.00 =    1617.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    212.00 TO NODE    212.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN.) =   13.30
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.456
 SUBAREA LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 COMMERCIAL                 A        0.50      0.74     0.100    52
 NATURAL POOR COVER
 "BARREN"                   A       11.60      0.18     1.000    93
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.963
 SUBAREA AREA(ACRES) =   12.10      SUBAREA RUNOFF(CFS) =   35.73
 EFFECTIVE AREA(ACRES) =     19.20   AREA-AVERAGED Fm(INCH/HR) =  0.17
 AREA-AVERAGED Fp(INCH/HR) =  0.19  AREA-AVERAGED Ap =  0.90
 TOTAL AREA(ACRES) =       19.2       PEAK FLOW RATE(CFS) =      56.81

****************************************************************************
 FLOW PROCESS FROM NODE    212.00 TO NODE    224.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =   13.30
 RAINFALL INTENSITY(INCH/HR) =   3.46
 AREA-AVERAGED Fm(INCH/HR) =  0.17
 AREA-AVERAGED Fp(INCH/HR) =  0.19
 AREA-AVERAGED Ap =  0.90
 EFFECTIVE STREAM AREA(ACRES) =      19.20
 TOTAL STREAM AREA(ACRES) =      19.20
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      56.81

****************************************************************************
 FLOW PROCESS FROM NODE    220.00 TO NODE    221.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
 >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   963.00
 ELEVATION DATA: UPSTREAM(FEET) =   1139.20  DOWNSTREAM(FEET) =   1130.20

 Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
 SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =   12.084
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.662
 SUBAREA Tc AND LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
 COMMERCIAL                 A        0.70      0.74     0.100    52   12.08
 NATURAL POOR COVER
 "BARREN"                   A        4.50      0.18     1.000    93   20.87
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.19
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.879
 SUBAREA RUNOFF(CFS) =     16.36
 TOTAL AREA(ACRES) =      5.20   PEAK FLOW RATE(CFS) =     16.36
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    221.00 TO NODE    222.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1130.20  DOWNSTREAM(FEET) =   1124.74
  CHANNEL LENGTH THRU SUBAREA(FEET) =   679.00   CHANNEL SLOPE =  0.0080
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.224
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                A        1.00      0.74     0.100    52
  NATURAL POOR COVER
  "BARREN"                  A        2.40      0.18     1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.735
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      21.07
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   3.96
  AVERAGE FLOW DEPTH(FEET) =   1.51   TRAVEL TIME(MIN.) =   2.86
  Tc(MIN.) =   14.94
  SUBAREA AREA(ACRES) =     3.40       SUBAREA RUNOFF(CFS) =    9.41
  EFFECTIVE AREA(ACRES) =      8.60     AREA-AVERAGED Fm(INCH/HR) =   0.16
  AREA-AVERAGED Fp(INCH/HR) =   0.19  AREA-AVERAGED Ap =   0.82
  TOTAL AREA(ACRES) =        8.6         PEAK FLOW RATE(CFS) =      23.72

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  1.61   FLOW VELOCITY(FEET/SEC.) =   4.09
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    222.00 =    1642.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    222.00 TO NODE    223.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1124.74  DOWNSTREAM(FEET) =  1122.04
  FLOW LENGTH(FEET) =    20.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  10.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  22.51
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      23.72
  PIPE TRAVEL TIME(MIN.) =   0.01    Tc(MIN.) =   14.95
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    223.00 =    1662.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    223.00 TO NODE    224.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   14.95
  RAINFALL INTENSITY(INCH/HR) =   3.22
  AREA-AVERAGED Fm(INCH/HR) =  0.16
  AREA-AVERAGED Fp(INCH/HR) =  0.19
  AREA-AVERAGED Ap =  0.82
  EFFECTIVE STREAM AREA(ACRES) =       8.60
  TOTAL STREAM AREA(ACRES) =       8.60
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      23.72

  ** CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       56.81   13.30    3.456  0.19( 0.17) 0.90      19.2     210.00
      2       23.72   14.95    3.222  0.19( 0.16) 0.82       8.6     220.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
```

```
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap      Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1       79.53   13.30    3.456  0.19( 0.17) 0.88      26.9     210.00
      2       76.49   14.95    3.222  0.19( 0.17) 0.88      27.8     220.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      79.53    Tc(MIN.) =    13.30
  EFFECTIVE AREA(ACRES) =      26.85   AREA-AVERAGED Fm(INCH/HR) =  0.17
  AREA-AVERAGED Fp(INCH/HR) =  0.19  AREA-AVERAGED Ap =  0.88
  TOTAL AREA(ACRES) =       27.8
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    224.00 =    1662.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    224.00 TO NODE    224.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   13.30
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.456
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   A        0.50      0.18     1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.000
  SUBAREA AREA(ACRES) =    0.50      SUBAREA RUNOFF(CFS) =    1.47
  EFFECTIVE AREA(ACRES) =     27.35   AREA-AVERAGED Fm(INCH/HR) =  0.17
  AREA-AVERAGED Fp(INCH/HR) =  0.19  AREA-AVERAGED Ap =  0.88
  TOTAL AREA(ACRES) =       28.3       PEAK FLOW RATE(CFS) =      80.99

****************************************************************************
  FLOW PROCESS FROM NODE    224.00 TO NODE    225.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1124.27  DOWNSTREAM(FEET) =  1123.92
  FLOW LENGTH(FEET) =    96.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  48.0 INCH PIPE IS  37.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.66
  ESTIMATED PIPE DIAMETER(INCH) =  48.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      80.99
  PIPE TRAVEL TIME(MIN.) =   0.21    Tc(MIN.) =   13.51
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    225.00 =    1758.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    226.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1123.92  DOWNSTREAM(FEET) =   1123.70
  CHANNEL LENGTH THRU SUBAREA(FEET) =   160.00   CHANNEL SLOPE =  0.0014
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00

         ==>>WARNING: FLOW IN CHANNEL EXCEEDS CHANNEL
             CAPACITY( NORMAL DEPTH EQUAL TO SPECIFIED MAXIMUM
             ALLOWABLE DEPTH).
             AS AN APPROXIMATION, FLOWDEPTH IS SET AT MAXIMUM
             ALLOWABLE DEPTH AND IS USED FOR TRAVELTIME CALCULATIONS.

  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.385
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   A        0.50      0.18     1.000    93
```

```
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.000
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      81.72
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =  10.21
  AVERAGE FLOW DEPTH(FEET) =   2.00   TRAVEL TIME(MIN.) =   0.26
  Tc(MIN.) =   13.77
  SUBAREA AREA(ACRES) =     0.50       SUBAREA RUNOFF(CFS) =    1.44
  EFFECTIVE AREA(ACRES) =     27.85     AREA-AVERAGED Fm(INCH/HR) =   0.17
  AREA-AVERAGED Fp(INCH/HR) =   0.19  AREA-AVERAGED Ap =   0.88
  TOTAL AREA(ACRES) =       28.8         PEAK FLOW RATE(CFS) =      80.99
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

        ==>>WARNING: FLOW IN CHANNEL EXCEEDS CHANNEL
            CAPACITY( NORMAL DEPTH EQUAL TO SPECIFIED MAXIMUM
            ALLOWABLE DEPTH).
            AS AN APPROXIMATION, FLOWDEPTH IS SET AT MAXIMUM
            ALLOWABLE DEPTH AND IS USED FOR TRAVELTIME CALCULATIONS.


  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  2.00   FLOW VELOCITY(FEET/SEC.) =  10.12

  ==>FLOWDEPTH EXCEEDS MAXIMUM ALLOWABLE DEPTH

  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    226.00 =    1918.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    226.00 TO NODE    226.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       80.99   13.77    3.385  0.19( 0.17) 0.88      27.9     210.00
      2       77.85   15.44    3.162  0.19( 0.17) 0.88      28.8     220.00
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    226.00 =    1918.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       20.15   21.08    2.622  0.26( 0.12) 0.45       8.8     200.00
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    226.00 =    3381.00 FEET.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       98.17   13.77    3.385  0.19( 0.16) 0.81      33.6     210.00
      2       95.77   15.44    3.162  0.20( 0.16) 0.80      35.2     220.00
      3       83.98   21.08    2.622  0.20( 0.15) 0.78      37.6     200.00
    TOTAL AREA(ACRES) =        37.6

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       98.17  Tc(MIN.) =   13.775
  EFFECTIVE AREA(ACRES) =     33.60  AREA-AVERAGED Fm(INCH/HR) =  0.16
  AREA-AVERAGED Fp(INCH/HR) =  0.19  AREA-AVERAGED Ap =  0.81
  TOTAL AREA(ACRES) =       37.6
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    226.00 =    3381.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    226.00 TO NODE    226.00 IS CODE =  12
----------------------------------------------------------------------------
  >>>>>CLEAR MEMORY BANK # 1 <<<<<
============================================================================
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       37.6  TC(MIN.) =     13.77
  EFFECTIVE AREA(ACRES) =     33.60  AREA-AVERAGED Fm(INCH/HR)=  0.16
  AREA-AVERAGED Fp(INCH/HR) =  0.19  AREA-AVERAGED Ap = 0.809
  PEAK FLOW RATE(CFS)   =      98.17
```

** PEAK FLOW RATE TABLE **

STREAM NUMBER	Q (CFS)	Tc (MIN.)	Intensity (INCH/HR)	Fp(Fm) (INCH/HR)	Ap	Ae (ACRES)	HEADWATER NODE
1	98.17	13.77	3.385	0.19(0.16)	0.81	33.6	210.00
2	95.77	15.44	3.162	0.20(0.16)	0.80	35.2	220.00
3	83.98	21.08	2.622	0.20(0.15)	0.78	37.6	200.00

END OF RATIONAL METHOD ANALYSIS

```
**************************************************************************
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                          Analysis prepared by:



 ************************* DESCRIPTION OF STUDY *************************
* ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA                        *
* EXISTING CONDITION - NODES 300-314                                    *
* HYDROLOGIC ANALYSIS - 100-YEAR                                        *
 ************************************************************************

  FILE NAME: 4021EX3C.DAT
  TIME/DATE OF STUDY: 16:00 05/03/2023
==========================================================================
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
==========================================================================
                    --*TIME-OF-CONCENTRATION MODEL*--

  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  *USER-DEFINED LOGARITHMIC INTERPOLATION USED FOR RAINFALL*

  SLOPE OF INTENSITY DURATION CURVE(LOG(I;IN/HR) vs. LOG(Tc;MIN)) = 0.6000
  USER SPECIFIED 1-HOUR INTENSITY(INCH/HOUR) = 1.4000

  *ANTECEDENT MOISTURE CONDITION (AMC) III ASSUMED FOR RATIONAL METHOD*

  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  ========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0312 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
  *USER-SPECIFIED MINIMUM TOPOGRAPHIC SLOPE ADJUSTMENT NOT SELECTED

**************************************************************************
  FLOW PROCESS FROM NODE    300.00 TO NODE    301.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
==========================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   855.00
  ELEVATION DATA: UPSTREAM(FEET) =   1162.70  DOWNSTREAM(FEET) =   1152.40

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =   10.952
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.884
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        1.20      0.74      0.100    52   10.95
  NATURAL POOR COVER
  "BARREN"                   A        5.50      0.18      1.000    93   18.91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.19
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.839
```

```
  SUBAREA RUNOFF(CFS) =     22.45
  TOTAL AREA(ACRES) =      6.70   PEAK FLOW RATE(CFS) =     22.45

****************************************************************************
  FLOW PROCESS FROM NODE    301.00 TO NODE    302.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1152.40  DOWNSTREAM(FEET) =   1149.78
  CHANNEL LENGTH THRU SUBAREA(FEET) =   619.00   CHANNEL SLOPE =  0.0042
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.360
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.70      0.74     0.100    52
  NATURAL POOR COVER
  "BARREN"                   A        6.10      0.18     1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.804
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      33.71
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   3.45
  AVERAGE FLOW DEPTH(FEET) =   1.71   TRAVEL TIME(MIN.) =   2.99
  Tc(MIN.) =   13.94
  SUBAREA AREA(ACRES) =     7.80       SUBAREA RUNOFF(CFS) =   22.49
  EFFECTIVE AREA(ACRES) =     14.50     AREA-AVERAGED Fm(INCH/HR) =   0.16
  AREA-AVERAGED Fp(INCH/HR) =   0.19  AREA-AVERAGED Ap =   0.82
  TOTAL AREA(ACRES) =       14.5         PEAK FLOW RATE(CFS) =      41.78

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  1.93   FLOW VELOCITY(FEET/SEC.) =   3.66
  LONGEST FLOWPATH FROM NODE    300.00 TO NODE    302.00 =    1474.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    302.00 TO NODE    303.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1149.78  DOWNSTREAM(FEET) =  1127.54
  FLOW LENGTH(FEET) =  1840.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  23.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.19
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      41.78
  PIPE TRAVEL TIME(MIN.) =   3.01    Tc(MIN.) =   16.95
  LONGEST FLOWPATH FROM NODE    300.00 TO NODE    303.00 =    3314.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    303.00 TO NODE    314.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1127.54  DOWNSTREAM(FEET) =   1125.80
  CHANNEL LENGTH THRU SUBAREA(FEET) =    65.00   CHANNEL SLOPE =  0.0268
  CHANNEL FLOW THRU SUBAREA(CFS) =      41.78
  FLOW VELOCITY(FEET/SEC) =   6.01 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.18   Tc(MIN.) =   17.13
  LONGEST FLOWPATH FROM NODE    300.00 TO NODE    314.00 =    3379.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    314.00 TO NODE    314.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   17.13
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.970
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
```

```
     LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                  A       13.50      0.18      1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.000
  SUBAREA AREA(ACRES) =   13.50      SUBAREA RUNOFF(CFS) =   33.89
  EFFECTIVE AREA(ACRES) =     28.00   AREA-AVERAGED Fm(INCH/HR) =  0.17
  AREA-AVERAGED Fp(INCH/HR) =  0.19  AREA-AVERAGED Ap =  0.91
  TOTAL AREA(ACRES) =       28.0       PEAK FLOW RATE(CFS) =      70.58

****************************************************************************
  FLOW PROCESS FROM NODE    314.00 TO NODE    314.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   17.13
  RAINFALL INTENSITY(INCH/HR) =   2.97
  AREA-AVERAGED Fm(INCH/HR) =  0.17
  AREA-AVERAGED Fp(INCH/HR) =  0.19
  AREA-AVERAGED Ap =  0.91
  EFFECTIVE STREAM AREA(ACRES) =      28.00
  TOTAL STREAM AREA(ACRES) =      28.00
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      70.58

****************************************************************************
  FLOW PROCESS FROM NODE    310.00 TO NODE    311.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   795.00
  ELEVATION DATA: UPSTREAM(FEET) =   1150.50  DOWNSTREAM(FEET) =   1136.90

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    9.917
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.123
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                  A        0.10      0.74     0.100    52    9.92
  NATURAL POOR COVER
  "BARREN"                    A        4.30      0.18     1.000    93   17.13
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.980
  SUBAREA RUNOFF(CFS) =     15.62
  TOTAL AREA(ACRES) =      4.40   PEAK FLOW RATE(CFS) =     15.62

****************************************************************************
  FLOW PROCESS FROM NODE    311.00 TO NODE    312.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1136.90  DOWNSTREAM(FEET) =   1132.79
  CHANNEL LENGTH THRU SUBAREA(FEET) =   707.00   CHANNEL SLOPE =  0.0058
  CHANNEL FLOW THRU SUBAREA(CFS) =      15.62
  FLOW VELOCITY(FEET/SEC) =   2.14 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   5.51   Tc(MIN.) =   15.43
  LONGEST FLOWPATH FROM NODE    310.00 TO NODE    312.00 =    1502.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    312.00 TO NODE    312.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   15.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.163
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
```

```
  COMMERCIAL                  A        0.10      0.74     0.100    52
  NATURAL POOR COVER
  "BARREN"                    A       12.40      0.18     1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.993
  SUBAREA AREA(ACRES) =   12.50      SUBAREA RUNOFF(CFS) =   33.57
  EFFECTIVE AREA(ACRES) =     16.90   AREA-AVERAGED Fm(INCH/HR) =  0.18
  AREA-AVERAGED Fp(INCH/HR) =  0.18  AREA-AVERAGED Ap =  0.99
  TOTAL AREA(ACRES) =       16.9       PEAK FLOW RATE(CFS) =      45.39

****************************************************************************
  FLOW PROCESS FROM NODE    312.00 TO NODE    313.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1132.79  DOWNSTREAM(FEET) =   1122.30
  CHANNEL LENGTH THRU SUBAREA(FEET) =   389.00   CHANNEL SLOPE =  0.0270
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.067
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                  A        2.20      0.74     0.100    52
  NATURAL POOR COVER
  "BARREN"                    A       11.00      0.18     1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.19
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.850
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      62.64
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   7.96
  AVERAGE FLOW DEPTH(FEET) =   1.44   TRAVEL TIME(MIN.) =   0.81
  Tc(MIN.) =   16.24
  SUBAREA AREA(ACRES) =    13.20       SUBAREA RUNOFF(CFS) =   34.50
  EFFECTIVE AREA(ACRES) =     30.10     AREA-AVERAGED Fm(INCH/HR) =   0.17
  AREA-AVERAGED Fp(INCH/HR) =   0.18  AREA-AVERAGED Ap =   0.93
  TOTAL AREA(ACRES) =       30.1         PEAK FLOW RATE(CFS) =      78.43

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  1.64   FLOW VELOCITY(FEET/SEC.) =   8.51
  LONGEST FLOWPATH FROM NODE    310.00 TO NODE    313.00 =    1891.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    313.00 TO NODE    314.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1128.16  DOWNSTREAM(FEET) =   1125.80
  CHANNEL LENGTH THRU SUBAREA(FEET) =   435.00   CHANNEL SLOPE =  0.0054
  CHANNEL FLOW THRU SUBAREA(CFS) =      78.43
  FLOW VELOCITY(FEET/SEC) =   3.25 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   2.23   Tc(MIN.) =   18.47
  LONGEST FLOWPATH FROM NODE    310.00 TO NODE    314.00 =    2326.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    314.00 TO NODE    314.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   18.47
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.839
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        3.00      0.18     1.000    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.18
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.000
  SUBAREA AREA(ACRES) =    3.00      SUBAREA RUNOFF(CFS) =    7.18
  EFFECTIVE AREA(ACRES) =     33.10   AREA-AVERAGED Fm(INCH/HR) =  0.17
  AREA-AVERAGED Fp(INCH/HR) =  0.18  AREA-AVERAGED Ap =  0.93
```

```
  TOTAL AREA(ACRES) =       33.1       PEAK FLOW RATE(CFS) =      79.43

****************************************************************************
  FLOW PROCESS FROM NODE    314.00 TO NODE    314.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   18.47
  RAINFALL INTENSITY(INCH/HR) =   2.84
  AREA-AVERAGED Fm(INCH/HR) =  0.17
  AREA-AVERAGED Fp(INCH/HR) =  0.18
  AREA-AVERAGED Ap =  0.93
  EFFECTIVE STREAM AREA(ACRES) =      33.10
  TOTAL STREAM AREA(ACRES) =      33.10
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      79.43

  ** CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1       70.58   17.13    2.970  0.19( 0.17) 0.91      28.0     300.00
      2       79.43   18.47    2.839  0.18( 0.17) 0.93      33.1     310.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1      147.88   17.13    2.970  0.19( 0.17) 0.92      58.7     300.00
      2      146.71   18.47    2.839  0.19( 0.17) 0.92      61.1     310.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =     147.88    Tc(MIN.) =    17.13
  EFFECTIVE AREA(ACRES) =      58.70   AREA-AVERAGED Fm(INCH/HR) =  0.17
  AREA-AVERAGED Fp(INCH/HR) =  0.19  AREA-AVERAGED Ap =  0.92
  TOTAL AREA(ACRES) =       61.1
  LONGEST FLOWPATH FROM NODE    300.00 TO NODE    314.00 =    3379.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       61.1  TC(MIN.) =     17.13
  EFFECTIVE AREA(ACRES) =     58.70  AREA-AVERAGED Fm(INCH/HR)=  0.17
  AREA-AVERAGED Fp(INCH/HR) =  0.19  AREA-AVERAGED Ap = 0.921
  PEAK FLOW RATE(CFS)   =     147.88

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1      147.88   17.13    2.970  0.19( 0.17) 0.92      58.7     300.00
      2      146.71   18.47    2.839  0.19( 0.17) 0.92      61.1     310.00
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
**************************************************************************
            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
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                          Analysis prepared by:



 ************************* DESCRIPTION OF STUDY *************************
* ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA                        *
* PROPOSED CONDITION - NODES 100-173                                    *
* HYDROLOGIC ANALYSIS - 100-YEAR                                        *
 ************************************************************************

  FILE NAME: 4021PR1C.DAT
  TIME/DATE OF STUDY: 16:00 05/03/2023
==========================================================================
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
==========================================================================
                    --*TIME-OF-CONCENTRATION MODEL*--

  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  *USER-DEFINED LOGARITHMIC INTERPOLATION USED FOR RAINFALL*

  SLOPE OF INTENSITY DURATION CURVE(LOG(I;IN/HR) vs. LOG(Tc;MIN)) = 0.6000
  USER SPECIFIED 1-HOUR INTENSITY(INCH/HOUR) = 1.4000

  *ANTECEDENT MOISTURE CONDITION (AMC) III ASSUMED FOR RATIONAL METHOD*

  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  ========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
  *USER-SPECIFIED MINIMUM TOPOGRAPHIC SLOPE ADJUSTMENT NOT SELECTED

**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
==========================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   383.00
  ELEVATION DATA: UPSTREAM(FEET) =   1155.31  DOWNSTREAM(FEET) =   1152.57

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    8.815
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.425
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        0.40      0.74      0.100    52    8.82
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      1.57
  TOTAL AREA(ACRES) =      0.40   PEAK FLOW RATE(CFS) =      1.57
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    102.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1149.24  DOWNSTREAM(FEET) =  1149.02
  FLOW LENGTH(FEET) =    44.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   6.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.52
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.57
  PIPE TRAVEL TIME(MIN.) =   0.21    Tc(MIN.) =    9.02
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    102.00 =     427.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    102.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.02
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.363
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    4.63
  EFFECTIVE AREA(ACRES) =      1.60   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        1.6       PEAK FLOW RATE(CFS) =       6.18

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    123.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1149.02  DOWNSTREAM(FEET) =  1148.00
  FLOW LENGTH(FEET) =   208.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  12.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.88
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.18
  PIPE TRAVEL TIME(MIN.) =   0.71    Tc(MIN.) =    9.73
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    123.00 =     635.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    123.00 TO NODE    123.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    111.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   173.00
  ELEVATION DATA: UPSTREAM(FEET) =   1159.60  DOWNSTREAM(FEET) =   1158.75

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    6.915
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.118
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        0.20      0.74     0.100    52    6.92
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
```

```
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      0.91
  TOTAL AREA(ACRES) =      0.20   PEAK FLOW RATE(CFS) =      0.91

****************************************************************************
  FLOW PROCESS FROM NODE    111.00 TO NODE    112.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1154.75  DOWNSTREAM(FEET) =  1153.45
  FLOW LENGTH(FEET) =   265.00   MANNING'S N =  0.012
  ESTIMATED PIPE DIAMETER(INCH) INCREASED TO 12.000
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   4.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.04
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       0.91
  PIPE TRAVEL TIME(MIN.) =   1.45    Tc(MIN.) =    8.37
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    112.00 =     438.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    112.00 TO NODE    112.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.37
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.565
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        2.40      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    2.40      SUBAREA RUNOFF(CFS) =    9.70
  EFFECTIVE AREA(ACRES) =      2.60   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        2.6       PEAK FLOW RATE(CFS) =      10.51

****************************************************************************
  FLOW PROCESS FROM NODE    112.00 TO NODE    113.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1153.43  DOWNSTREAM(FEET) =  1151.19
  FLOW LENGTH(FEET) =   170.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  12.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.05
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.51
  PIPE TRAVEL TIME(MIN.) =   0.35    Tc(MIN.) =    8.72
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    113.00 =     608.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    113.00 TO NODE    113.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.72
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.454
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.00      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.94
  EFFECTIVE AREA(ACRES) =      3.60   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        3.6       PEAK FLOW RATE(CFS) =      14.19

****************************************************************************
```

```
 FLOW PROCESS FROM NODE    113.00 TO NODE    122.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1151.14  DOWNSTREAM(FEET) =  1149.78
 FLOW LENGTH(FEET) =    34.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  18.0 INCH PIPE IS  10.5 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  13.32
 ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      14.19
 PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =    8.76
 LONGEST FLOWPATH FROM NODE    110.00 TO NODE    122.00 =     642.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    122.00 TO NODE    122.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =    8.76
 RAINFALL INTENSITY(INCH/HR) =   4.44
 AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74
 AREA-AVERAGED Ap =  0.10
 EFFECTIVE STREAM AREA(ACRES) =       3.60
 TOTAL STREAM AREA(ACRES) =       3.60
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      14.19

****************************************************************************
 FLOW PROCESS FROM NODE    120.00 TO NODE    121.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
 >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   291.00
 ELEVATION DATA: UPSTREAM(FEET) =   1161.97  DOWNSTREAM(FEET) =   1158.08

 Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
 SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    6.970
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.094
 SUBAREA Tc AND LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
 COMMERCIAL                 A        2.30      0.74      0.100    52    6.97
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA RUNOFF(CFS) =     10.39
 TOTAL AREA(ACRES) =      2.30   PEAK FLOW RATE(CFS) =     10.39

****************************************************************************
 FLOW PROCESS FROM NODE    121.00 TO NODE    122.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1154.08  DOWNSTREAM(FEET) =  1149.78
 FLOW LENGTH(FEET) =   241.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  18.0 INCH PIPE IS  11.1 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   9.08
 ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      10.39
 PIPE TRAVEL TIME(MIN.) =   0.44    Tc(MIN.) =    7.41
 LONGEST FLOWPATH FROM NODE    120.00 TO NODE    122.00 =     532.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    122.00 TO NODE    122.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
```

```
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.41
  RAINFALL INTENSITY(INCH/HR) =   4.91
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =       2.30
  TOTAL STREAM AREA(ACRES) =       2.30
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      10.39

  ** CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       14.19    8.76    4.441  0.74( 0.07) 0.10       3.6     110.00
      2       10.39    7.41    4.910  0.74( 0.07) 0.10       2.3     120.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       23.69    7.41    4.910  0.74( 0.07) 0.10       5.3     120.00
      2       23.57    8.76    4.441  0.74( 0.07) 0.10       5.9     110.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      23.69    Tc(MIN.) =     7.41
  EFFECTIVE AREA(ACRES) =       5.35   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        5.9
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    122.00 =     642.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    122.00 TO NODE    123.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1149.57  DOWNSTREAM(FEET) =  1147.99
  FLOW LENGTH(FEET) =    35.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  12.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  15.83
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      23.69
  PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =    7.45
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    123.00 =     677.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    123.00 TO NODE    123.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       23.69    7.45    4.895  0.74( 0.07) 0.10       5.3     120.00
      2       23.57    8.80    4.429  0.74( 0.07) 0.10       5.9     110.00
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    123.00 =     677.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1        6.18    9.73    4.169  0.74( 0.07) 0.10       1.6     100.00
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    123.00 =     635.00 FEET.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       29.25    7.45    4.895  0.74( 0.07) 0.10       6.6     120.00
      2       29.51    8.80    4.429  0.74( 0.07) 0.10       7.3     110.00
```

```
      3       28.34    9.73    4.169  0.74( 0.07) 0.10       7.5     100.00
    TOTAL AREA(ACRES) =         7.5

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       29.51  Tc(MIN.) =    8.800
  EFFECTIVE AREA(ACRES) =      7.35  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        7.5
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    123.00 =     677.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    123.00 TO NODE    123.00 IS CODE =  12
----------------------------------------------------------------------------
  >>>>>CLEAR MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE    123.00 TO NODE    124.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1147.98  DOWNSTREAM(FEET) =  1146.13
  FLOW LENGTH(FEET) =   374.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  23.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.07
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      29.51
  PIPE TRAVEL TIME(MIN.) =   0.88    Tc(MIN.) =    9.68
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    124.00 =    1051.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    124.00 TO NODE    124.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.68
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.183
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.80      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.80      SUBAREA RUNOFF(CFS) =    6.66
  EFFECTIVE AREA(ACRES) =      9.15   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        9.3       PEAK FLOW RATE(CFS) =      33.82

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       33.92    8.33    4.577  0.74( 0.07) 0.10       8.4     120.00
      2       33.82    9.68    4.183  0.74( 0.07) 0.10       9.1     110.00
      3       32.50   10.62    3.957  0.74( 0.07) 0.10       9.3     100.00
  NEW PEAK FLOW DATA ARE:
  PEAK FLOW RATE(CFS) =      33.92  Tc(MIN.) =    8.33
  AREA-AVERAGED Fm(INCH/HR) =  0.07  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10  EFFECTIVE AREA(ACRES) =       8.37

****************************************************************************
  FLOW PROCESS FROM NODE    124.00 TO NODE    135.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1146.11  DOWNSTREAM(FEET) =  1144.40
  FLOW LENGTH(FEET) =   340.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  23.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.50
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      33.92
```

```
  PIPE TRAVEL TIME(MIN.) =   0.76    Tc(MIN.) =    9.09
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    135.00 =    1391.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    135.00 TO NODE    135.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.09
  RAINFALL INTENSITY(INCH/HR) =   4.34
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =       8.37
  TOTAL STREAM AREA(ACRES) =       9.30
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      33.92

****************************************************************************
  FLOW PROCESS FROM NODE    130.00 TO NODE    131.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   249.00
  ELEVATION DATA: UPSTREAM(FEET) =   1159.07  DOWNSTREAM(FEET) =   1157.85

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    8.004
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.688
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        0.20      0.74     0.100    52    8.00
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      0.83
  TOTAL AREA(ACRES) =      0.20   PEAK FLOW RATE(CFS) =      0.83

****************************************************************************
  FLOW PROCESS FROM NODE    131.00 TO NODE    132.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1153.85  DOWNSTREAM(FEET) =  1152.63
  FLOW LENGTH(FEET) =   249.00   MANNING'S N =  0.012
  ESTIMATED PIPE DIAMETER(INCH) INCREASED TO 12.000
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   4.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   2.97
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       0.83
  PIPE TRAVEL TIME(MIN.) =   1.40    Tc(MIN.) =    9.40
  LONGEST FLOWPATH FROM NODE    130.00 TO NODE    132.00 =     498.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    132.00 TO NODE    132.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.40
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.257
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        2.70      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    2.70      SUBAREA RUNOFF(CFS) =   10.17
  EFFECTIVE AREA(ACRES) =      2.90   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
```

```
  TOTAL AREA(ACRES) =        2.9       PEAK FLOW RATE(CFS) =      10.92

****************************************************************************
  FLOW PROCESS FROM NODE    132.00 TO NODE    133.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1152.61  DOWNSTREAM(FEET) =  1148.15
  FLOW LENGTH(FEET) =   170.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  15.0 INCH PIPE IS  12.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.27
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.92
  PIPE TRAVEL TIME(MIN.) =   0.28    Tc(MIN.) =    9.68
  LONGEST FLOWPATH FROM NODE    130.00 TO NODE    133.00 =     668.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    133.00 TO NODE    133.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.68
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.184
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.20      SUBAREA RUNOFF(CFS) =    0.74
  EFFECTIVE AREA(ACRES) =      3.10   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        3.1       PEAK FLOW RATE(CFS) =      11.47

****************************************************************************
  FLOW PROCESS FROM NODE    133.00 TO NODE    134.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1148.05  DOWNSTREAM(FEET) =  1147.82
  FLOW LENGTH(FEET) =    11.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  11.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.87
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      11.47
  PIPE TRAVEL TIME(MIN.) =   0.02    Tc(MIN.) =    9.69
  LONGEST FLOWPATH FROM NODE    130.00 TO NODE    134.00 =     679.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    134.00 TO NODE    134.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.69
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.179
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.40      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.40      SUBAREA RUNOFF(CFS) =    1.48
  EFFECTIVE AREA(ACRES) =      3.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        3.5       PEAK FLOW RATE(CFS) =      12.93

****************************************************************************
  FLOW PROCESS FROM NODE    134.00 TO NODE    135.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
```

```
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1147.82  DOWNSTREAM(FEET) =  1144.52
  FLOW LENGTH(FEET) =    56.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  15.0 INCH PIPE IS  10.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  14.93
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      12.93
  PIPE TRAVEL TIME(MIN.) =   0.06    Tc(MIN.) =    9.76
  LONGEST FLOWPATH FROM NODE    130.00 TO NODE    135.00 =     735.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    135.00 TO NODE    135.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.76
  RAINFALL INTENSITY(INCH/HR) =   4.16
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =       3.50
  TOTAL STREAM AREA(ACRES) =       3.50
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      12.93

  ** CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       33.92    9.09    4.345  0.74( 0.07) 0.10       8.4     120.00
      1       33.82   10.44    3.998  0.74( 0.07) 0.10       9.1     110.00
      1       32.50   11.38    3.796  0.74( 0.07) 0.10       9.3     100.00
      2       12.93    9.76    4.163  0.74( 0.07) 0.10       3.5     130.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       46.50    9.09    4.345  0.74( 0.07) 0.10      11.6     120.00
      2       46.80    9.76    4.163  0.74( 0.07) 0.10      12.3     130.00
      3       46.23   10.44    3.998  0.74( 0.07) 0.10      12.6     110.00
      4       44.27   11.38    3.796  0.74( 0.07) 0.10      12.8     100.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      46.80    Tc(MIN.) =     9.76
  EFFECTIVE AREA(ACRES) =      12.26   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       12.8
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    135.00 =    1391.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    135.00 TO NODE    136.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1144.38  DOWNSTREAM(FEET) =  1143.32
  FLOW LENGTH(FEET) =   106.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  23.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.53
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      46.80
  PIPE TRAVEL TIME(MIN.) =   0.17    Tc(MIN.) =    9.92
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    136.00 =    1497.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    136.00 TO NODE    136.00 IS CODE =  81
----------------------------------------------------------------------------
```

```
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN.) =    9.92
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.121
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.90      SUBAREA RUNOFF(CFS) =    3.28
  EFFECTIVE AREA(ACRES) =     13.16   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       13.7       PEAK FLOW RATE(CFS) =      47.91

********************************************************************************
  FLOW PROCESS FROM NODE    136.00 TO NODE    136.00 IS CODE =  81
--------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN.) =    9.92
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.121
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.50      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.50      SUBAREA RUNOFF(CFS) =    1.82
  EFFECTIVE AREA(ACRES) =     13.66   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       14.2       PEAK FLOW RATE(CFS) =      49.73

********************************************************************************
  FLOW PROCESS FROM NODE    136.00 TO NODE    137.00 IS CODE =  31
--------------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1143.27  DOWNSTREAM(FEET) =  1127.99
  FLOW LENGTH(FEET) =  1603.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  24.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.41
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      49.73
  PIPE TRAVEL TIME(MIN.) =   2.57    Tc(MIN.) =   12.49
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    137.00 =    3100.00 FEET.

********************************************************************************
  FLOW PROCESS FROM NODE    137.00 TO NODE    137.00 IS CODE =  81
--------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN.) =   12.49
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.590
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        3.40      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    3.40      SUBAREA RUNOFF(CFS) =   10.76
  EFFECTIVE AREA(ACRES) =     17.06   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       17.6       PEAK FLOW RATE(CFS) =      53.96

********************************************************************************
  FLOW PROCESS FROM NODE    137.00 TO NODE    137.00 IS CODE =  81
--------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN.) =   12.49
```

```
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.590
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.80      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.80      SUBAREA RUNOFF(CFS) =    5.70
  EFFECTIVE AREA(ACRES) =     18.86   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       19.4       PEAK FLOW RATE(CFS) =      59.66

****************************************************************************
  FLOW PROCESS FROM NODE    137.00 TO NODE    138.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1127.98  DOWNSTREAM(FEET) =  1127.40
  FLOW LENGTH(FEET) =   183.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  42.0 INCH PIPE IS  34.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.09
  ESTIMATED PIPE DIAMETER(INCH) =  42.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      59.66
  PIPE TRAVEL TIME(MIN.) =   0.43    Tc(MIN.) =   12.92
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    138.00 =    3283.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    138.00 TO NODE    173.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    141.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   293.00
  ELEVATION DATA: UPSTREAM(FEET) =   1152.40  DOWNSTREAM(FEET) =   1139.65

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    5.519
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.860
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        0.80      0.74     0.100    52    5.52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      4.17
  TOTAL AREA(ACRES) =      0.80   PEAK FLOW RATE(CFS) =      4.17

****************************************************************************
  FLOW PROCESS FROM NODE    141.00 TO NODE    142.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1135.14  DOWNSTREAM(FEET) =  1133.90
  FLOW LENGTH(FEET) =   387.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  10.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.80
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.17
  PIPE TRAVEL TIME(MIN.) =   1.70    Tc(MIN.) =    7.22
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    142.00 =     680.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    142.00 TO NODE    142.00 IS CODE =  81
----------------------------------------------------------------------------
```

```
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN.) =    7.22
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.989
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.60      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.60      SUBAREA RUNOFF(CFS) =    2.65
  EFFECTIVE AREA(ACRES) =      1.40   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        1.4       PEAK FLOW RATE(CFS) =       6.19

********************************************************************************
  FLOW PROCESS FROM NODE    142.00 TO NODE    143.00 IS CODE =  31
--------------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1133.90  DOWNSTREAM(FEET) =  1132.22
  FLOW LENGTH(FEET) =   529.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  14.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.03
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.19
  PIPE TRAVEL TIME(MIN.) =   2.19    Tc(MIN.) =    9.40
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    143.00 =    1209.00 FEET.

********************************************************************************
  FLOW PROCESS FROM NODE    143.00 TO NODE    143.00 IS CODE =  81
--------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN.) =    9.40
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.257
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        6.00      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    6.00      SUBAREA RUNOFF(CFS) =   22.58
  EFFECTIVE AREA(ACRES) =      7.40   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        7.4       PEAK FLOW RATE(CFS) =      27.85

********************************************************************************
  FLOW PROCESS FROM NODE    143.00 TO NODE    144.00 IS CODE =  31
--------------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1132.21  DOWNSTREAM(FEET) =  1131.82
  FLOW LENGTH(FEET) =   122.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  24.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.00
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      27.85
  PIPE TRAVEL TIME(MIN.) =   0.34    Tc(MIN.) =    9.74
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    144.00 =    1331.00 FEET.

********************************************************************************
  FLOW PROCESS FROM NODE    144.00 TO NODE    144.00 IS CODE =  81
--------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN.) =    9.74
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.167
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
```

```
     LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL               A        1.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    7.00
  EFFECTIVE AREA(ACRES) =      9.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        9.3       PEAK FLOW RATE(CFS) =      34.26

****************************************************************************
  FLOW PROCESS FROM NODE    144.00 TO NODE    145.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1131.82  DOWNSTREAM(FEET) =  1131.44
  FLOW LENGTH(FEET) =   122.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  36.0 INCH PIPE IS  26.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.27
  ESTIMATED PIPE DIAMETER(INCH) =  36.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      34.26
  PIPE TRAVEL TIME(MIN.) =   0.32    Tc(MIN.) =   10.07
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    145.00 =    1453.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    145.00 TO NODE    145.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   10.07
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.086
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL               A        1.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    6.86
  EFFECTIVE AREA(ACRES) =     11.20   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       11.2       PEAK FLOW RATE(CFS) =      40.44

****************************************************************************
  FLOW PROCESS FROM NODE    145.00 TO NODE    146.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1131.43  DOWNSTREAM(FEET) =  1131.04
  FLOW LENGTH(FEET) =   122.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  39.0 INCH PIPE IS  26.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.63
  ESTIMATED PIPE DIAMETER(INCH) =  39.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      40.44
  PIPE TRAVEL TIME(MIN.) =   0.31    Tc(MIN.) =   10.37
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    146.00 =    1575.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    146.00 TO NODE    146.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   10.37
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.013
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL               A        2.50      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    2.50      SUBAREA RUNOFF(CFS) =    8.86
  EFFECTIVE AREA(ACRES) =     13.70   AREA-AVERAGED Fm(INCH/HR) =  0.07
```

```
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       13.7       PEAK FLOW RATE(CFS) =      48.57

****************************************************************************
  FLOW PROCESS FROM NODE    146.00 TO NODE    147.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1131.04  DOWNSTREAM(FEET) =  1130.66
  FLOW LENGTH(FEET) =   122.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  39.0 INCH PIPE IS  31.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.69
  ESTIMATED PIPE DIAMETER(INCH) =  39.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      48.57
  PIPE TRAVEL TIME(MIN.) =   0.30    Tc(MIN.) =   10.68
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    147.00 =    1697.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    147.00 TO NODE    147.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   10.68
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.944
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    6.62
  EFFECTIVE AREA(ACRES) =     15.60   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       15.6       PEAK FLOW RATE(CFS) =      54.33

****************************************************************************
  FLOW PROCESS FROM NODE    147.00 TO NODE    148.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1130.65  DOWNSTREAM(FEET) =  1130.26
  FLOW LENGTH(FEET) =   122.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  42.0 INCH PIPE IS  31.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.07
  ESTIMATED PIPE DIAMETER(INCH) =  42.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      54.33
  PIPE TRAVEL TIME(MIN.) =   0.29    Tc(MIN.) =   10.96
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    148.00 =    1819.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    148.00 TO NODE    148.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   10.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.882
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    6.51
  EFFECTIVE AREA(ACRES) =     17.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       17.5       PEAK FLOW RATE(CFS) =      59.97

****************************************************************************
  FLOW PROCESS FROM NODE    148.00 TO NODE    149.00 IS CODE =  31
----------------------------------------------------------------------------
```

```
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1130.26  DOWNSTREAM(FEET) =  1129.88
  FLOW LENGTH(FEET) =   122.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  45.0 INCH PIPE IS  31.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.23
  ESTIMATED PIPE DIAMETER(INCH) =  45.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      59.97
  PIPE TRAVEL TIME(MIN.) =   0.28    Tc(MIN.) =   11.25
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    149.00 =    1941.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    149.00 TO NODE    149.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   11.25
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.823
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    6.41
  EFFECTIVE AREA(ACRES) =     19.40   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       19.4       PEAK FLOW RATE(CFS) =      65.46

****************************************************************************
  FLOW PROCESS FROM NODE    149.00 TO NODE    150.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1129.87  DOWNSTREAM(FEET) =  1129.48
  FLOW LENGTH(FEET) =   122.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  45.0 INCH PIPE IS  33.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.41
  ESTIMATED PIPE DIAMETER(INCH) =  45.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      65.46
  PIPE TRAVEL TIME(MIN.) =   0.27    Tc(MIN.) =   11.52
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    150.00 =    2063.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    150.00 TO NODE    150.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   11.52
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.768
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    6.32
  EFFECTIVE AREA(ACRES) =     21.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       21.3       PEAK FLOW RATE(CFS) =      70.82

****************************************************************************
  FLOW PROCESS FROM NODE    150.00 TO NODE    151.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1129.48  DOWNSTREAM(FEET) =  1129.10
  FLOW LENGTH(FEET) =   122.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  45.0 INCH PIPE IS  36.6 INCHES
```

```
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.36
  ESTIMATED PIPE DIAMETER(INCH) =  45.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      70.82
  PIPE TRAVEL TIME(MIN.) =   0.28    Tc(MIN.) =   11.80
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    151.00 =    2185.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    151.00 TO NODE    151.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   11.80
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.715
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        3.80      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    3.80      SUBAREA RUNOFF(CFS) =   12.45
  EFFECTIVE AREA(ACRES) =     25.10   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       25.1       PEAK FLOW RATE(CFS) =      82.25

****************************************************************************
  FLOW PROCESS FROM NODE    151.00 TO NODE    172.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1129.09  DOWNSTREAM(FEET) =  1128.15
  FLOW LENGTH(FEET) =   241.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  48.0 INCH PIPE IS  34.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.49
  ESTIMATED PIPE DIAMETER(INCH) =  48.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      82.25
  PIPE TRAVEL TIME(MIN.) =   0.47    Tc(MIN.) =   12.27
  LONGEST FLOWPATH FROM NODE    140.00 TO NODE    172.00 =    2426.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    172.00 TO NODE    172.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   12.27
  RAINFALL INTENSITY(INCH/HR) =   3.63
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =      25.10
  TOTAL STREAM AREA(ACRES) =      25.10
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      82.25

****************************************************************************
  FLOW PROCESS FROM NODE    160.00 TO NODE    161.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   370.00
  ELEVATION DATA: UPSTREAM(FEET) =   1153.44  DOWNSTREAM(FEET) =   1136.10

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    5.970
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.590
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        4.20      0.74     0.100    52    5.97
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
```

```
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =     20.85
  TOTAL AREA(ACRES) =      4.20   PEAK FLOW RATE(CFS) =     20.85

****************************************************************************
  FLOW PROCESS FROM NODE    161.00 TO NODE    162.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1133.48  DOWNSTREAM(FEET) =  1133.12
  FLOW LENGTH(FEET) =   156.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  21.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.99
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      20.85
  PIPE TRAVEL TIME(MIN.) =   0.52    Tc(MIN.) =    6.49
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    162.00 =     526.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    162.00 TO NODE    162.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    6.49
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.317
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.30      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.30      SUBAREA RUNOFF(CFS) =    6.13
  EFFECTIVE AREA(ACRES) =      5.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        5.5       PEAK FLOW RATE(CFS) =      25.95

****************************************************************************
  FLOW PROCESS FROM NODE    162.00 TO NODE    163.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1133.12  DOWNSTREAM(FEET) =  1132.81
  FLOW LENGTH(FEET) =   113.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  24.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.56
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      25.95
  PIPE TRAVEL TIME(MIN.) =   0.34    Tc(MIN.) =    6.83
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    163.00 =     639.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    163.00 TO NODE    163.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    6.83
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.157
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.30      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.30      SUBAREA RUNOFF(CFS) =    5.95
  EFFECTIVE AREA(ACRES) =      6.80   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        6.8       PEAK FLOW RATE(CFS) =      31.11

****************************************************************************
  FLOW PROCESS FROM NODE    163.00 TO NODE    164.00 IS CODE =  31
```

```
------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1132.81  DOWNSTREAM(FEET) =  1132.54
  FLOW LENGTH(FEET) =   113.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  36.0 INCH PIPE IS  26.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.52
  ESTIMATED PIPE DIAMETER(INCH) =  36.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      31.11
  PIPE TRAVEL TIME(MIN.) =   0.34    Tc(MIN.) =    7.17
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    164.00 =     752.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    164.00 TO NODE    164.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    7.17
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.008
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    8.44
  EFFECTIVE AREA(ACRES) =      8.70   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        8.7       PEAK FLOW RATE(CFS) =      38.63

****************************************************************************
  FLOW PROCESS FROM NODE    164.00 TO NODE    165.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1132.53  DOWNSTREAM(FEET) =  1132.02
  FLOW LENGTH(FEET) =   211.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  39.0 INCH PIPE IS  28.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.85
  ESTIMATED PIPE DIAMETER(INCH) =  39.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      38.63
  PIPE TRAVEL TIME(MIN.) =   0.60    Tc(MIN.) =    7.77
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    165.00 =     963.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    165.00 TO NODE    165.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    7.77
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.772
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.60      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.60      SUBAREA RUNOFF(CFS) =    6.76
  EFFECTIVE AREA(ACRES) =     10.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       10.3       PEAK FLOW RATE(CFS) =      43.55

****************************************************************************
  FLOW PROCESS FROM NODE    165.00 TO NODE    166.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1132.01  DOWNSTREAM(FEET) =  1131.71
  FLOW LENGTH(FEET) =   120.00   MANNING'S N =  0.012
```

```
  DEPTH OF FLOW IN  39.0 INCH PIPE IS  31.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.99
  ESTIMATED PIPE DIAMETER(INCH) =  39.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      43.55
  PIPE TRAVEL TIME(MIN.) =   0.33    Tc(MIN.) =    8.11
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    166.00 =    1083.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    166.00 TO NODE    166.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.11
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.653
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.30      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.30      SUBAREA RUNOFF(CFS) =    5.36
  EFFECTIVE AREA(ACRES) =     11.60   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       11.6       PEAK FLOW RATE(CFS) =      47.80

****************************************************************************
  FLOW PROCESS FROM NODE    166.00 TO NODE    167.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1131.71  DOWNSTREAM(FEET) =  1131.43
  FLOW LENGTH(FEET) =   120.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  42.0 INCH PIPE IS  32.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.06
  ESTIMATED PIPE DIAMETER(INCH) =  42.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      47.80
  PIPE TRAVEL TIME(MIN.) =   0.33    Tc(MIN.) =    8.44
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    167.00 =    1203.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    167.00 TO NODE    167.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.44
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.543
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.30      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.30      SUBAREA RUNOFF(CFS) =    5.23
  EFFECTIVE AREA(ACRES) =     12.90   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       12.9       PEAK FLOW RATE(CFS) =      51.88

****************************************************************************
  FLOW PROCESS FROM NODE    167.00 TO NODE    168.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1131.42  DOWNSTREAM(FEET) =  1131.12
  FLOW LENGTH(FEET) =   120.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  42.0 INCH PIPE IS  33.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.30
  ESTIMATED PIPE DIAMETER(INCH) =  42.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      51.88
  PIPE TRAVEL TIME(MIN.) =   0.32    Tc(MIN.) =    8.75
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    168.00 =    1323.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    168.00 TO NODE    168.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.75
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.443
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.30      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.30      SUBAREA RUNOFF(CFS) =    5.11
  EFFECTIVE AREA(ACRES) =     14.20   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       14.2       PEAK FLOW RATE(CFS) =      55.84

****************************************************************************
  FLOW PROCESS FROM NODE    168.00 TO NODE    169.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1131.12  DOWNSTREAM(FEET) =  1130.90
  FLOW LENGTH(FEET) =    88.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  45.0 INCH PIPE IS  32.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.52
  ESTIMATED PIPE DIAMETER(INCH) =  45.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      55.84
  PIPE TRAVEL TIME(MIN.) =   0.22    Tc(MIN.) =    8.98
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    169.00 =    1411.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    169.00 TO NODE    169.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    8.98
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.376
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        2.70      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    2.70      SUBAREA RUNOFF(CFS) =   10.45
  EFFECTIVE AREA(ACRES) =     16.90   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       16.9       PEAK FLOW RATE(CFS) =      65.44

****************************************************************************
  FLOW PROCESS FROM NODE    169.00 TO NODE    170.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1130.89  DOWNSTREAM(FEET) =  1130.23
  FLOW LENGTH(FEET) =   271.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  48.0 INCH PIPE IS  34.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.72
  ESTIMATED PIPE DIAMETER(INCH) =  48.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      65.44
  PIPE TRAVEL TIME(MIN.) =   0.67    Tc(MIN.) =    9.65
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    170.00 =    1682.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    170.00 TO NODE    170.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
```

```
 MAINLINE Tc(MIN.) =    9.65
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.191
 SUBAREA LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 COMMERCIAL                 A        0.50      0.74      0.100    52
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA AREA(ACRES) =    0.50      SUBAREA RUNOFF(CFS) =    1.85
 EFFECTIVE AREA(ACRES) =     17.40   AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
 TOTAL AREA(ACRES) =       17.4       PEAK FLOW RATE(CFS) =      65.44
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE    170.00 TO NODE    171.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1130.22  DOWNSTREAM(FEET) =  1128.76
 FLOW LENGTH(FEET) =   595.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  48.0 INCH PIPE IS  34.6 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   6.74
 ESTIMATED PIPE DIAMETER(INCH) =  48.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      65.44
 PIPE TRAVEL TIME(MIN.) =   1.47    Tc(MIN.) =   11.12
 LONGEST FLOWPATH FROM NODE    160.00 TO NODE    171.00 =    2277.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    171.00 TO NODE    171.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN.) =   11.12
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.849
 SUBAREA LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 COMMERCIAL                 A        0.60      0.74      0.100    52
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA AREA(ACRES) =    0.60      SUBAREA RUNOFF(CFS) =    2.04
 EFFECTIVE AREA(ACRES) =     18.00   AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
 TOTAL AREA(ACRES) =       18.0       PEAK FLOW RATE(CFS) =      65.44
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE    171.00 TO NODE    172.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1128.76  DOWNSTREAM(FEET) =  1128.42
 FLOW LENGTH(FEET) =   251.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  51.0 INCH PIPE IS  41.6 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   5.28
 ESTIMATED PIPE DIAMETER(INCH) =  51.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      65.44
 PIPE TRAVEL TIME(MIN.) =   0.79    Tc(MIN.) =   11.91
 LONGEST FLOWPATH FROM NODE    160.00 TO NODE    172.00 =    2528.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    172.00 TO NODE    172.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =   11.91
```

```
  RAINFALL INTENSITY(INCH/HR) =   3.69
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =      18.00
  TOTAL STREAM AREA(ACRES) =      18.00
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      65.44

  ** CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       82.25   12.27    3.629  0.74( 0.07) 0.10      25.1     140.00
      2       65.44   11.91    3.693  0.74( 0.07) 0.10      18.0     160.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1      146.76   11.91    3.693  0.74( 0.07) 0.10      42.4     160.00
      2      146.52   12.27    3.629  0.74( 0.07) 0.10      43.1     140.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =     146.76    Tc(MIN.) =    11.91
  EFFECTIVE AREA(ACRES) =      42.38   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       43.1
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    172.00 =    2528.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    172.00 TO NODE    173.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1128.14  DOWNSTREAM(FEET) =  1127.49
  FLOW LENGTH(FEET) =   259.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  63.0 INCH PIPE IS  48.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.24
  ESTIMATED PIPE DIAMETER(INCH) =  63.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =     146.76
  PIPE TRAVEL TIME(MIN.) =   0.52    Tc(MIN.) =   12.44
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    173.00 =    2787.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    173.00 TO NODE    173.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1      146.76   12.44    3.599  0.74( 0.07) 0.10      42.4     160.00
      2      146.52   12.79    3.539  0.74( 0.07) 0.10      43.1     140.00
  LONGEST FLOWPATH FROM NODE    160.00 TO NODE    173.00 =    2787.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       59.66   12.25    3.632  0.74( 0.07) 0.10      18.2     120.00
      2       59.66   12.92    3.517  0.74( 0.07) 0.10      18.9     130.00
      3       58.94   13.61    3.410  0.74( 0.07) 0.10      19.2     110.00
      4       56.90   14.56    3.274  0.74( 0.07) 0.10      19.4     100.00
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    173.00 =    3283.00 FEET.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1      205.56   12.25    3.632  0.74( 0.07) 0.10      60.0     120.00
      2      206.41   12.44    3.599  0.74( 0.07) 0.10      60.8     160.00
```

```
      3      206.18   12.79    3.539  0.74( 0.07) 0.10      61.8     140.00
      4      205.28   12.92    3.517  0.74( 0.07) 0.10      62.0     130.00
      5      200.03   13.61    3.410  0.74( 0.07) 0.10      62.3     110.00
      6      192.22   14.56    3.274  0.74( 0.07) 0.10      62.5     100.00
    TOTAL AREA(ACRES) =        62.5

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      206.41  Tc(MIN.) =   12.438
  EFFECTIVE AREA(ACRES) =     60.78  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       62.5
  LONGEST FLOWPATH FROM NODE    110.00 TO NODE    173.00 =    3283.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    173.00 TO NODE    173.00 IS CODE =  12
----------------------------------------------------------------------------
  >>>>>CLEAR MEMORY BANK # 1 <<<<<
============================================================================
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       62.5  TC(MIN.) =     12.44
  EFFECTIVE AREA(ACRES) =     60.78  AREA-AVERAGED Fm(INCH/HR)=  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap = 0.100
  PEAK FLOW RATE(CFS)   =     206.41

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1      205.56   12.25    3.632  0.74( 0.07) 0.10      60.0     120.00
      2      206.41   12.44    3.599  0.74( 0.07) 0.10      60.8     160.00
      3      206.18   12.79    3.539  0.74( 0.07) 0.10      61.8     140.00
      4      205.28   12.92    3.517  0.74( 0.07) 0.10      62.0     130.00
      5      200.03   13.61    3.410  0.74( 0.07) 0.10      62.3     110.00
      6      192.22   14.56    3.274  0.74( 0.07) 0.10      62.5     100.00
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
******************************************************************************
            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
         (Reference: 1986 SAN BERNARDINO CO. HYDROLOGY CRITERION)
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                          Analysis prepared by:



 ************************** DESCRIPTION OF STUDY **************************
* ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA                           *
* PROPOSED CONDITION - NODES 200-257                                       *
* HYDROLOGIC ANALYSIS - 100-YEAR                                           *
 ****************************************************************************

  FILE NAME: 4021PR2C.DAT
  TIME/DATE OF STUDY: 16:00 05/03/2023
==============================================================================
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
==============================================================================
                    --*TIME-OF-CONCENTRATION MODEL*--

  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  *USER-DEFINED LOGARITHMIC INTERPOLATION USED FOR RAINFALL*

  SLOPE OF INTENSITY DURATION CURVE(LOG(I;IN/HR) vs. LOG(Tc;MIN)) = 0.6000
  USER SPECIFIED 1-HOUR INTENSITY(INCH/HOUR) = 1.4000

  *ANTECEDENT MOISTURE CONDITION (AMC) III ASSUMED FOR RATIONAL METHOD*

  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  ========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0312 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
  *USER-SPECIFIED MINIMUM TOPOGRAPHIC SLOPE ADJUSTMENT NOT SELECTED

******************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    201.00 IS CODE =  21
------------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
==============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   649.00
  ELEVATION DATA: UPSTREAM(FEET) =   1135.86  DOWNSTREAM(FEET) =   1132.37

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =   11.525
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.767
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        0.40      0.74      0.100    52   11.53
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      1.33
  TOTAL AREA(ACRES) =      0.40   PEAK FLOW RATE(CFS) =      1.33
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    202.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1128.41  DOWNSTREAM(FEET) =  1128.30
  FLOW LENGTH(FEET) =    37.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   7.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   2.78
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.33
  PIPE TRAVEL TIME(MIN.) =   0.22    Tc(MIN.) =   11.75
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    202.00 =     686.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    202.00 TO NODE    202.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   11.75
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.724
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.40      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.40      SUBAREA RUNOFF(CFS) =    4.60
  EFFECTIVE AREA(ACRES) =      1.80   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        1.8       PEAK FLOW RATE(CFS) =       5.91

****************************************************************************
  FLOW PROCESS FROM NODE    202.00 TO NODE    214.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1128.30  DOWNSTREAM(FEET) =  1127.99
  FLOW LENGTH(FEET) =   101.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  14.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.96
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.91
  PIPE TRAVEL TIME(MIN.) =   0.42    Tc(MIN.) =   12.17
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    214.00 =     787.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    214.00 TO NODE    214.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   12.17
  RAINFALL INTENSITY(INCH/HR) =   3.65
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =       1.80
  TOTAL STREAM AREA(ACRES) =       1.80
  PEAK FLOW RATE(CFS) AT CONFLUENCE =       5.91

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    211.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   863.00
```

```
 ELEVATION DATA: UPSTREAM(FEET) =   1155.00  DOWNSTREAM(FEET) =   1138.91

 Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
 SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =   10.073
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.084
 SUBAREA Tc AND LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS   Tc
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
 COMMERCIAL                 A        0.70      0.74      0.100    52   10.07
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA RUNOFF(CFS) =      2.53
 TOTAL AREA(ACRES) =      0.70   PEAK FLOW RATE(CFS) =      2.53

****************************************************************************
 FLOW PROCESS FROM NODE    211.00 TO NODE    212.00 IS CODE =  61
----------------------------------------------------------------------------
 >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>(STANDARD CURB SECTION USED)<<<<<
============================================================================
 UPSTREAM ELEVATION(FEET) = 1138.91  DOWNSTREAM ELEVATION(FEET) = 1132.12
 STREET LENGTH(FEET) =   770.00   CURB HEIGHT(INCHES) =  8.0
 STREET HALFWIDTH(FEET) = 22.00

 DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =  10.00
 INSIDE STREET CROSSFALL(DECIMAL) =  0.020
 OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

 SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
 Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0150

   **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       3.78
   STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
   STREET FLOW DEPTH(FEET) =  0.39
   HALFSTREET FLOOD WIDTH(FEET) =   11.80
   AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.39
   PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.94
 STREET FLOW TRAVEL TIME(MIN.) =   5.37   Tc(MIN.) =   15.45
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.160
 SUBAREA LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 COMMERCIAL                 A        0.90      0.74      0.100    52
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA AREA(ACRES) =    0.90      SUBAREA RUNOFF(CFS) =    2.50
 EFFECTIVE AREA(ACRES) =      1.60    AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
 TOTAL AREA(ACRES) =        1.6        PEAK FLOW RATE(CFS) =       4.44

 END OF SUBAREA STREET FLOW HYDRAULICS:
 DEPTH(FEET) = 0.41   HALFSTREET FLOOD WIDTH(FEET) =  12.66
 FLOW VELOCITY(FEET/SEC.) =  2.48   DEPTH*VELOCITY(FT*FT/SEC.) =   1.02
 LONGEST FLOWPATH FROM NODE    210.00 TO NODE    212.00 =    1633.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    212.00 TO NODE    213.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1128.12  DOWNSTREAM(FEET) =  1128.08
 FLOW LENGTH(FEET) =    31.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  21.0 INCH PIPE IS  13.4 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   2.74
 ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       4.44
 PIPE TRAVEL TIME(MIN.) =   0.19    Tc(MIN.) =   15.64
 LONGEST FLOWPATH FROM NODE    210.00 TO NODE    213.00 =    1664.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    213.00 TO NODE    213.00 IS CODE =  81
```

```
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   15.64
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.137
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.70      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.70      SUBAREA RUNOFF(CFS) =    1.93
  EFFECTIVE AREA(ACRES) =      2.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        2.3       PEAK FLOW RATE(CFS) =       6.34

****************************************************************************
  FLOW PROCESS FROM NODE    213.00 TO NODE    214.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1128.08  DOWNSTREAM(FEET) =  1127.98
  FLOW LENGTH(FEET) =    66.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  16.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.08
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.34
  PIPE TRAVEL TIME(MIN.) =   0.36    Tc(MIN.) =   15.99
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    214.00 =    1730.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    214.00 TO NODE    214.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   15.99
  RAINFALL INTENSITY(INCH/HR) =   3.09
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =       2.30
  TOTAL STREAM AREA(ACRES) =       2.30
  PEAK FLOW RATE(CFS) AT CONFLUENCE =       6.34

  ** CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1        5.91   12.17    3.646  0.74( 0.07) 0.10       1.8     200.00
      2        6.34   15.99    3.095  0.74( 0.07) 0.10       2.3     210.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1       11.62   12.17    3.646  0.74( 0.07) 0.10       3.6     200.00
      2       11.34   15.99    3.095  0.74( 0.07) 0.10       4.1     210.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      11.62    Tc(MIN.) =    12.17
  EFFECTIVE AREA(ACRES) =       3.55   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        4.1
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    214.00 =    1730.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    214.00 TO NODE    215.00 IS CODE =  31
```

```
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1127.97  DOWNSTREAM(FEET) =  1120.10
  FLOW LENGTH(FEET) =  1067.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  14.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.65
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      11.62
  PIPE TRAVEL TIME(MIN.) =   2.67    Tc(MIN.) =   14.84
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    215.00 =    2797.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    215.00 TO NODE    215.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   14.84
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.236
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    3.42
  EFFECTIVE AREA(ACRES) =      4.75   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        5.3       PEAK FLOW RATE(CFS) =      13.52

****************************************************************************
  FLOW PROCESS FROM NODE    215.00 TO NODE    216.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1120.10  DOWNSTREAM(FEET) =  1119.70
  FLOW LENGTH(FEET) =    24.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  13.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.22
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      13.52
  PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =   14.89
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    216.00 =    2821.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    216.00 TO NODE    216.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   14.89
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.231
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        2.20      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    2.20      SUBAREA RUNOFF(CFS) =    6.25
  EFFECTIVE AREA(ACRES) =      6.95   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        7.5       PEAK FLOW RATE(CFS) =      19.75

****************************************************************************
  FLOW PROCESS FROM NODE    216.00 TO NODE    241.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1119.63  DOWNSTREAM(FEET) =  1117.56
  FLOW LENGTH(FEET) =   110.00   MANNING'S N =  0.012
```

```
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  15.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.74
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      19.75
  PIPE TRAVEL TIME(MIN.) =   0.17    Tc(MIN.) =   15.06
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    241.00 =    2931.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    241.00 TO NODE    241.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE    220.00 TO NODE    221.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   184.00
  ELEVATION DATA: UPSTREAM(FEET) =   1138.10  DOWNSTREAM(FEET) =   1132.47

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    5.000
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  6.218
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        1.00      0.74     0.100    52    5.00
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      5.53
  TOTAL AREA(ACRES) =      1.00   PEAK FLOW RATE(CFS) =      5.53

****************************************************************************
  FLOW PROCESS FROM NODE    221.00 TO NODE    222.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1127.28  DOWNSTREAM(FEET) =  1125.71
  FLOW LENGTH(FEET) =   313.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  11.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.82
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.53
  PIPE TRAVEL TIME(MIN.) =   1.08    Tc(MIN.) =    6.08
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    222.00 =     497.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    222.00 TO NODE    222.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    6.08
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.528
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.40      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.40      SUBAREA RUNOFF(CFS) =    1.96
  EFFECTIVE AREA(ACRES) =      1.40   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        1.4       PEAK FLOW RATE(CFS) =       6.87

****************************************************************************
  FLOW PROCESS FROM NODE    222.00 TO NODE    223.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
```

```
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1125.71  DOWNSTREAM(FEET) =  1122.43
  FLOW LENGTH(FEET) =   658.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  13.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.00
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.87
  PIPE TRAVEL TIME(MIN.) =   2.19    Tc(MIN.) =    8.28
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    223.00 =    1155.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    223.00 TO NODE    223.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==========================================================================
  MAINLINE Tc(MIN.) =    8.28
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.595
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        3.80      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    3.80      SUBAREA RUNOFF(CFS) =   15.46
  EFFECTIVE AREA(ACRES) =      5.20   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        5.2       PEAK FLOW RATE(CFS) =      21.16

****************************************************************************
  FLOW PROCESS FROM NODE    223.00 TO NODE    224.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1122.43  DOWNSTREAM(FEET) =  1121.33
  FLOW LENGTH(FEET) =   224.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  20.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.55
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      21.16
  PIPE TRAVEL TIME(MIN.) =   0.57    Tc(MIN.) =    8.85
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    224.00 =    1379.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    224.00 TO NODE    224.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==========================================================================
  MAINLINE Tc(MIN.) =    8.85
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.415
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    7.42
  EFFECTIVE AREA(ACRES) =      7.10   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        7.1       PEAK FLOW RATE(CFS) =      27.74

****************************************************************************
  FLOW PROCESS FROM NODE    224.00 TO NODE    225.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1121.31  DOWNSTREAM(FEET) =  1120.21
  FLOW LENGTH(FEET) =   224.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  22.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.01
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
```

```
  PIPE-FLOW(CFS) =      27.74
  PIPE TRAVEL TIME(MIN.) =   0.53    Tc(MIN.) =    9.38
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    225.00 =    1603.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    225.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.38
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.263
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.80      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.80      SUBAREA RUNOFF(CFS) =    6.79
  EFFECTIVE AREA(ACRES) =      8.90   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        8.9       PEAK FLOW RATE(CFS) =      33.55

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    226.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1120.19  DOWNSTREAM(FEET) =  1119.09
  FLOW LENGTH(FEET) =   224.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  23.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.41
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      33.55
  PIPE TRAVEL TIME(MIN.) =   0.50    Tc(MIN.) =    9.88
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    226.00 =    1827.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    226.00 TO NODE    226.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.88
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.131
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        2.50      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    2.50      SUBAREA RUNOFF(CFS) =    9.13
  EFFECTIVE AREA(ACRES) =     11.40   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       11.4       PEAK FLOW RATE(CFS) =      41.63

****************************************************************************
  FLOW PROCESS FROM NODE    226.00 TO NODE    240.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1119.07  DOWNSTREAM(FEET) =  1118.03
  FLOW LENGTH(FEET) =   212.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  36.0 INCH PIPE IS  25.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.83
  ESTIMATED PIPE DIAMETER(INCH) =  36.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      41.63
  PIPE TRAVEL TIME(MIN.) =   0.45    Tc(MIN.) =   10.33
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    240.00 =    2039.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    240.00 TO NODE    240.00 IS CODE =   1
```

```
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   10.33
  RAINFALL INTENSITY(INCH/HR) =   4.02
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =      11.40
  TOTAL STREAM AREA(ACRES) =      11.40
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      41.63

****************************************************************************
  FLOW PROCESS FROM NODE    230.00 TO NODE    231.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   195.00
  ELEVATION DATA: UPSTREAM(FEET) =   1135.44  DOWNSTREAM(FEET) =   1130.11

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    5.147
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  6.111
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        1.40      0.74     0.100    52    5.15
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      7.61
  TOTAL AREA(ACRES) =      1.40   PEAK FLOW RATE(CFS) =      7.61

****************************************************************************
  FLOW PROCESS FROM NODE    231.00 TO NODE    232.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1126.12  DOWNSTREAM(FEET) =  1125.53
  FLOW LENGTH(FEET) =   147.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  13.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.80
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       7.61
  PIPE TRAVEL TIME(MIN.) =   0.51    Tc(MIN.) =    5.66
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    232.00 =     342.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    232.00 TO NODE    232.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    5.66
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.773
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.10      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    5.64
  EFFECTIVE AREA(ACRES) =      2.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        2.5       PEAK FLOW RATE(CFS) =      12.82

****************************************************************************
  FLOW PROCESS FROM NODE    232.00 TO NODE    233.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
```

```
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1125.51  DOWNSTREAM(FEET) =  1124.98
  FLOW LENGTH(FEET) =   128.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  24.0 INCH PIPE IS  16.7 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.48
  ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      12.82
  PIPE TRAVEL TIME(MIN.) =   0.39    Tc(MIN.) =    6.05
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    233.00 =     470.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    233.00 TO NODE    233.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    6.05
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.547
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.10      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    5.42
  EFFECTIVE AREA(ACRES) =      3.60   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        3.6       PEAK FLOW RATE(CFS) =      17.73

****************************************************************************
  FLOW PROCESS FROM NODE    233.00 TO NODE    234.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1124.98  DOWNSTREAM(FEET) =  1124.47
  FLOW LENGTH(FEET) =   128.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  19.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.84
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      17.73
  PIPE TRAVEL TIME(MIN.) =   0.37    Tc(MIN.) =    6.41
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    234.00 =     598.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    234.00 TO NODE    234.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    6.41
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.356
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.80      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.80      SUBAREA RUNOFF(CFS) =    8.56
  EFFECTIVE AREA(ACRES) =      5.40   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        5.4       PEAK FLOW RATE(CFS) =      25.67

****************************************************************************
  FLOW PROCESS FROM NODE    234.00 TO NODE    235.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1124.45  DOWNSTREAM(FEET) =  1123.93
  FLOW LENGTH(FEET) =   128.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  22.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.39
```

```
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      25.67
  PIPE TRAVEL TIME(MIN.) =   0.33    Tc(MIN.) =    6.75
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    235.00 =     726.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    235.00 TO NODE    235.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    6.75
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.195
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.10      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    5.07
  EFFECTIVE AREA(ACRES) =      6.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        6.5       PEAK FLOW RATE(CFS) =      29.96

****************************************************************************
  FLOW PROCESS FROM NODE    235.00 TO NODE    236.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1123.93  DOWNSTREAM(FEET) =  1123.41
  FLOW LENGTH(FEET) =   128.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  23.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.72
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      29.96
  PIPE TRAVEL TIME(MIN.) =   0.32    Tc(MIN.) =    7.06
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    236.00 =     854.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    236.00 TO NODE    236.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    7.06
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.053
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.10      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    4.93
  EFFECTIVE AREA(ACRES) =      7.60   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        7.6       PEAK FLOW RATE(CFS) =      34.06

****************************************************************************
  FLOW PROCESS FROM NODE    236.00 TO NODE    237.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1123.39  DOWNSTREAM(FEET) =  1122.87
  FLOW LENGTH(FEET) =   128.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  25.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.83
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      34.06
  PIPE TRAVEL TIME(MIN.) =   0.31    Tc(MIN.) =    7.38
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    237.00 =     982.00 FEET.

****************************************************************************
```

```
 FLOW PROCESS FROM NODE    237.00 TO NODE    237.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN.) =    7.38
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.924
 SUBAREA LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 COMMERCIAL                 A        1.40      0.74     0.100    52
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA AREA(ACRES) =    1.40      SUBAREA RUNOFF(CFS) =    6.11
 EFFECTIVE AREA(ACRES) =      9.00   AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
 TOTAL AREA(ACRES) =        9.0       PEAK FLOW RATE(CFS) =      39.28

****************************************************************************
 FLOW PROCESS FROM NODE    237.00 TO NODE    238.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1122.87  DOWNSTREAM(FEET) =  1122.56
 FLOW LENGTH(FEET) =    71.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  36.0 INCH PIPE IS  25.4 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   7.38
 ESTIMATED PIPE DIAMETER(INCH) =  36.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      39.28
 PIPE TRAVEL TIME(MIN.) =   0.16    Tc(MIN.) =    7.54
 LONGEST FLOWPATH FROM NODE    230.00 TO NODE    238.00 =    1053.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    238.00 TO NODE    238.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN.) =    7.54
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.861
 SUBAREA LOSS RATE DATA(AMC III):
  DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 COMMERCIAL                 A        1.00      0.74     0.100    52
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
 SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    4.31
 EFFECTIVE AREA(ACRES) =     10.00   AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
 TOTAL AREA(ACRES) =       10.0       PEAK FLOW RATE(CFS) =      43.08

****************************************************************************
 FLOW PROCESS FROM NODE    238.00 TO NODE    239.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1122.55  DOWNSTREAM(FEET) =  1119.59
 FLOW LENGTH(FEET) =   578.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  36.0 INCH PIPE IS  25.6 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   8.01
 ESTIMATED PIPE DIAMETER(INCH) =  36.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      43.08
 PIPE TRAVEL TIME(MIN.) =   1.20    Tc(MIN.) =    8.74
 LONGEST FLOWPATH FROM NODE    230.00 TO NODE    239.00 =    1631.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    239.00 TO NODE    239.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN.) =    8.74
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.448
```

```
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.80      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.80      SUBAREA RUNOFF(CFS) =    3.15
  EFFECTIVE AREA(ACRES) =     10.80   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       10.8       PEAK FLOW RATE(CFS) =      43.08
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE    239.00 TO NODE    240.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1119.59  DOWNSTREAM(FEET) =  1117.96
  FLOW LENGTH(FEET) =   189.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  23.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.77
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      43.08
  PIPE TRAVEL TIME(MIN.) =   0.32    Tc(MIN.) =    9.06
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    240.00 =    1820.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    240.00 TO NODE    240.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.06
  RAINFALL INTENSITY(INCH/HR) =   4.35
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =      10.80
  TOTAL STREAM AREA(ACRES) =      10.80
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      43.08

  ** CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1       41.63   10.33    4.022  0.74( 0.07) 0.10      11.4     220.00
      2       43.08    9.06    4.352  0.74( 0.07) 0.10      10.8     230.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
      1       82.63    9.06    4.352  0.74( 0.07) 0.10      20.8     230.00
      2       81.38   10.33    4.022  0.74( 0.07) 0.10      22.2     220.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      82.63    Tc(MIN.) =     9.06
  EFFECTIVE AREA(ACRES) =      20.80   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       22.2
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    240.00 =    2039.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    240.00 TO NODE    241.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
```

```
  ELEVATION DATA: UPSTREAM(FEET) =  1118.01  DOWNSTREAM(FEET) =  1117.50
  FLOW LENGTH(FEET) =   103.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  45.0 INCH PIPE IS  34.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.24
  ESTIMATED PIPE DIAMETER(INCH) =  45.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      82.63
  PIPE TRAVEL TIME(MIN.) =   0.19    Tc(MIN.) =    9.25
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    241.00 =    2142.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    241.00 TO NODE    241.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       82.63    9.25    4.299  0.74( 0.07) 0.10      20.8     230.00
      2       81.38   10.52    3.979  0.74( 0.07) 0.10      22.2     220.00
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    241.00 =    2142.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       19.75   15.06    3.209  0.74( 0.07) 0.10       7.0     200.00
      2       18.51   18.89    2.800  0.74( 0.07) 0.10       7.5     210.00
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    241.00 =    2931.00 FEET.

  ** PEAK FLOW RATE TABLE **
   STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
   NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)         (ACRES)    NODE
      1       98.98    9.25    4.299  0.74( 0.07) 0.10      25.1     230.00
      2       98.57   10.52    3.979  0.74( 0.07) 0.10      27.1     220.00
      3       85.07   15.06    3.209  0.74( 0.07) 0.10      29.2     200.00
      4       75.32   18.89    2.800  0.74( 0.07) 0.10      29.7     210.00
    TOTAL AREA(ACRES) =        29.7

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       98.98  Tc(MIN.) =    9.247
  EFFECTIVE AREA(ACRES) =     25.06  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       29.7
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    241.00 =    2931.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    241.00 TO NODE    241.00 IS CODE =  12
----------------------------------------------------------------------------
  >>>>>CLEAR MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE    241.00 TO NODE    256.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1117.46  DOWNSTREAM(FEET) =  1108.04
  FLOW LENGTH(FEET) =   127.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  21.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  26.93
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      98.98
  PIPE TRAVEL TIME(MIN.) =   0.08    Tc(MIN.) =    9.33
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    256.00 =    3058.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    256.00 TO NODE    256.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
```

```
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.33
  RAINFALL INTENSITY(INCH/HR) =   4.28
  AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74
  AREA-AVERAGED Ap =  0.10
  EFFECTIVE STREAM AREA(ACRES) =      25.06
  TOTAL STREAM AREA(ACRES) =      29.70
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      98.98

****************************************************************************
  FLOW PROCESS FROM NODE    250.00 TO NODE    251.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   386.00
  ELEVATION DATA: UPSTREAM(FEET) =   1141.10  DOWNSTREAM(FEET) =   1138.84

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    9.205
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.311
  SUBAREA Tc AND LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  COMMERCIAL                 A        0.50      0.74      0.100    52    9.20
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA RUNOFF(CFS) =      1.91
  TOTAL AREA(ACRES) =      0.50   PEAK FLOW RATE(CFS) =      1.91

****************************************************************************
  FLOW PROCESS FROM NODE    251.00 TO NODE    252.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1132.84  DOWNSTREAM(FEET) =  1132.68
  FLOW LENGTH(FEET) =    36.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   7.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.52
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.91
  PIPE TRAVEL TIME(MIN.) =   0.17    Tc(MIN.) =    9.38
  LONGEST FLOWPATH FROM NODE    250.00 TO NODE    252.00 =     422.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    252.00 TO NODE    252.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.38
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.264
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.50      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.50      SUBAREA RUNOFF(CFS) =    5.66
  EFFECTIVE AREA(ACRES) =      2.00   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        2.0       PEAK FLOW RATE(CFS) =       7.54

****************************************************************************
  FLOW PROCESS FROM NODE    252.00 TO NODE    252.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =    9.38
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.264
  SUBAREA LOSS RATE DATA(AMC III):
```

```
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        5.30      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    5.30      SUBAREA RUNOFF(CFS) =   19.99
  EFFECTIVE AREA(ACRES) =      7.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        7.3       PEAK FLOW RATE(CFS) =      27.53

****************************************************************************
  FLOW PROCESS FROM NODE    252.00 TO NODE    253.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1132.65  DOWNSTREAM(FEET) =  1129.04
  FLOW LENGTH(FEET) =   725.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  22.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.05
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      27.53
  PIPE TRAVEL TIME(MIN.) =   1.71    Tc(MIN.) =   11.09
  LONGEST FLOWPATH FROM NODE    250.00 TO NODE    253.00 =    1147.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    253.00 TO NODE    253.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   11.09
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.855
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.70      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    0.70      SUBAREA RUNOFF(CFS) =    2.38
  EFFECTIVE AREA(ACRES) =      8.00   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        8.0       PEAK FLOW RATE(CFS) =      27.53
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE    253.00 TO NODE    254.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1129.04  DOWNSTREAM(FEET) =  1128.92
  FLOW LENGTH(FEET) =    24.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  22.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.06
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      27.53
  PIPE TRAVEL TIME(MIN.) =   0.06    Tc(MIN.) =   11.15
  LONGEST FLOWPATH FROM NODE    250.00 TO NODE    254.00 =    1171.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    254.00 TO NODE    254.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   11.15
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.844
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        0.50      0.74      0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
```

```
  SUBAREA AREA(ACRES) =    0.50      SUBAREA RUNOFF(CFS) =    1.70
  EFFECTIVE AREA(ACRES) =      8.50   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =        8.5       PEAK FLOW RATE(CFS) =      28.84

****************************************************************************
  FLOW PROCESS FROM NODE    254.00 TO NODE    254.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   11.15
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.844
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        6.80      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    6.80      SUBAREA RUNOFF(CFS) =   23.07
  EFFECTIVE AREA(ACRES) =     15.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       15.3       PEAK FLOW RATE(CFS) =      51.91

****************************************************************************
  FLOW PROCESS FROM NODE    254.00 TO NODE    255.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1128.92  DOWNSTREAM(FEET) =  1127.04
  FLOW LENGTH(FEET) =   379.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  39.0 INCH PIPE IS  27.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   8.31
  ESTIMATED PIPE DIAMETER(INCH) =  39.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      51.91
  PIPE TRAVEL TIME(MIN.) =   0.76    Tc(MIN.) =   11.91
  LONGEST FLOWPATH FROM NODE    250.00 TO NODE    255.00 =    1550.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    255.00 TO NODE    255.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN.) =   11.91
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.694
  SUBAREA LOSS RATE DATA(AMC III):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  COMMERCIAL                 A        1.90      0.74     0.100    52
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.74
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.100
  SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    6.19
  EFFECTIVE AREA(ACRES) =     17.20   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
  TOTAL AREA(ACRES) =       17.2       PEAK FLOW RATE(CFS) =      56.04

****************************************************************************
  FLOW PROCESS FROM NODE    255.00 TO NODE    256.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1127.02  DOWNSTREAM(FEET) =  1108.26
  FLOW LENGTH(FEET) =   869.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  21.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  14.64
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      56.04
  PIPE TRAVEL TIME(MIN.) =   0.99    Tc(MIN.) =   12.90
  LONGEST FLOWPATH FROM NODE    250.00 TO NODE    256.00 =    2419.00 FEET.

****************************************************************************
```

```
 FLOW PROCESS FROM NODE    256.00 TO NODE    256.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =   12.90
 RAINFALL INTENSITY(INCH/HR) =   3.52
 AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74
 AREA-AVERAGED Ap =  0.10
 EFFECTIVE STREAM AREA(ACRES) =      17.20
 TOTAL STREAM AREA(ACRES) =      17.20
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      56.04

 ** CONFLUENCE DATA **
  STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
  NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
     1       98.98    9.33    4.278  0.74( 0.07) 0.10      25.1     230.00
     1       98.57   10.60    3.962  0.74( 0.07) 0.10      27.1     220.00
     1       85.07   15.14    3.198  0.74( 0.07) 0.10      29.2     200.00
     1       75.32   18.98    2.793  0.74( 0.07) 0.10      29.7     210.00
     2       56.04   12.90    3.522  0.74( 0.07) 0.10      17.2     250.00

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
  STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
  NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
     1      148.39    9.33    4.278  0.74( 0.07) 0.10      37.5     230.00
     2      150.50   10.60    3.962  0.74( 0.07) 0.10      41.2     220.00
     3      147.78   12.90    3.522  0.74( 0.07) 0.10      45.3     250.00
     4      135.86   15.14    3.198  0.74( 0.07) 0.10      46.4     200.00
     5      119.52   18.98    2.793  0.74( 0.07) 0.10      46.9     210.00

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =     150.50    Tc(MIN.) =    10.60
 EFFECTIVE AREA(ACRES) =      41.19   AREA-AVERAGED Fm(INCH/HR) =  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap =  0.10
 TOTAL AREA(ACRES) =       46.9
 LONGEST FLOWPATH FROM NODE    210.00 TO NODE    256.00 =    3058.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    256.00 TO NODE    257.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1107.99  DOWNSTREAM(FEET) =  1107.00
 FLOW LENGTH(FEET) =   200.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  57.0 INCH PIPE IS  41.9 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  10.77
 ESTIMATED PIPE DIAMETER(INCH) =  57.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =     150.50
 PIPE TRAVEL TIME(MIN.) =   0.31    Tc(MIN.) =   10.91
 LONGEST FLOWPATH FROM NODE    210.00 TO NODE    257.00 =    3258.00 FEET.
============================================================================
 END OF STUDY SUMMARY:
 TOTAL AREA(ACRES)     =       46.9  TC(MIN.) =     10.91
 EFFECTIVE AREA(ACRES) =     41.19  AREA-AVERAGED Fm(INCH/HR)=  0.07
 AREA-AVERAGED Fp(INCH/HR) =  0.74  AREA-AVERAGED Ap = 0.100
 PEAK FLOW RATE(CFS)   =     150.50

 ** PEAK FLOW RATE TABLE **
  STREAM       Q      Tc   Intensity   Fp(Fm)     Ap     Ae     HEADWATER
  NUMBER     (CFS)  (MIN.) (INCH/HR) (INCH/HR)          (ACRES)    NODE
     1      148.39    9.64    4.195  0.74( 0.07) 0.10      37.5     230.00
     2      150.50   10.91    3.894  0.74( 0.07) 0.10      41.2     220.00
     3      147.78   13.21    3.472  0.74( 0.07) 0.10      45.3     250.00
     4      135.86   15.46    3.158  0.74( 0.07) 0.10      46.4     200.00
```

```
      5      119.52   19.31    2.764  0.74( 0.07) 0.10      46.9     210.00
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS
```

APPENDIX C

DETENTION CALCULATIONS

Arrow Rt. and Juneberry Dr. - Rancho Cucamonga
Basin Rating Curve

Building 4 - Nodes 140-151 - Line F Sta. 15+11.68

Elevation (ft)	Depth (ft)	Storage (cu-ft)	Storage (ac-ft)	Type SD Orifice C 0.60 Storm Drain Diameter (in) 24 Invert (ft) 1129.09 Discharge (cfs)
1137.98	0.00	0	0.000	45.102
1138.08	0.10	120	0.003	45.355
1138.18	0.20	976	0.022	45.606
1138.28	0.30	3,310	0.076	45.857
1138.38	0.40	7,740	0.178	46.105
1138.48	0.50	14,283	0.328	46.353
1138.58	0.60	22,757	0.522	46.599
1138.68	0.70	32,512	0.746	46.844

```
******************************************************************************
          NON-HOMOGENEOUS WATERSHED AREA-AVERAGED LOSS RATE (Fm)
                    AND LOW LOSS FRACTION ESTIMATIONS
==============================================================================
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                            Analysis prepared by:




******************************************************************************
------------------------------------------------------------------------------

 Problem Descriptions:
  ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA
  PROPOSED CONDITION - BUILDING 4 - NODES 140-151
  HYDROLOGIC ANALYSIS - 100-YEAR
==============================================================================
*** NON-HOMOGENEOUS WATERSHED AREA-AVERAGED LOSS RATE (Fm)
    AND LOW LOSS FRACTION ESTIMATIONS FOR AMC III:

    TOTAL 24-HOUR DURATION RAINFALL DEPTH =     8.20 (inches)

    SOIL-COVER     AREA      PERCENT OF    SCS CURVE    LOSS RATE
       TYPE      (Acres)   PERVIOUS AREA     NUMBER    Fp(in./hr.)    YIELD
         1         25.10       10.00       32.(AMC II)     0.742       0.874

    TOTAL AREA (Acres) =     25.10

    AREA-AVERAGED LOSS RATE, Fm (in./hr.) =  0.074

    AREA-AVERAGED LOW LOSS FRACTION, Y = 0.126
==============================================================================
```

```
**************************************************************************

            F L O O D    R O U T I N G    A N A L Y S I S
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             Ver. 23.0  Release Date: 07/01/2016  License ID 1435

                          Analysis prepared by:



 ************************* DESCRIPTION OF STUDY *************************
* ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA                        *
* PROPOSED CONDITION - BUILDING 4 - NODES 140-151                       *
* HYDROLOGIC ANALYSIS - 100-YEAR                                        *
 ************************************************************************

  FILE NAME: 4021P1AC.FLD
  TIME/DATE OF STUDY: 16:00 05/05/2023

   The Small Area Unit Hydrograph Procedures in Section J
   of the Hydrology Manual provides estimates of runoff
   hydrograph and runoff volume for watersheds whose time of
   concentration is less than 25 minutes. The PROGRAM User
   should check the applicability of using the small area unit
   hydrograph procedures, and follow the guidelines in
   Sections J and K.5 in complex watershed modeling.


**************************************************************************
  FLOW PROCESS FROM NODE    140.00 TO NODE    151.00 IS CODE = 1.2
--------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
==========================================================================

  (SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #1)

    RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
    TOTAL CATCHMENT AREA(ACRES) =   25.10
    SOIL-LOSS RATE, Fm,(INCH/HR) =  0.074
    LOW LOSS FRACTION = 0.126
    TIME OF CONCENTRATION(MIN.) = 11.80
    SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
    USER SPECIFIED RAINFALL VALUES ARE USED:
    RETURN FREQUENCY(YEARS) = 100
       5-MINUTE POINT RAINFALL VALUE(INCHES) =  0.51
      30-MINUTE POINT RAINFALL VALUE(INCHES) =  1.05
       1-HOUR   POINT RAINFALL VALUE(INCHES) =  1.40
       3-HOUR   POINT RAINFALL VALUE(INCHES) =  2.50
       6-HOUR   POINT RAINFALL VALUE(INCHES) =  3.75
      24-HOUR   POINT RAINFALL VALUE(INCHES) =  8.20

--------------------------------------------------------------------------
    TOTAL CATCHMENT   RUNOFF  VOLUME(ACRE-FEET) =    13.62
    TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) =     3.53

--------------------------------------------------------------------------

==========================================================================

                    2 4 - H O U R    S T O R M
                R U N O F F    H Y D R O G R A P H

==========================================================================
              HYDROGRAPH IN  ONE-MINUTE UNIT INTERVALS(CFS)
        (Notes: Time indicated is at END of Each Unit Intervals.
                Peak 5-minute rainfall intensity is modeled as
                a constant value for entire 5-minute period.)
```

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	20.3	40.6	60.8	81.1
0.017	0.0006	0.45	Q	.	.	.	.
0.033	0.0025	1.36	Q	.	.	.	.
0.050	0.0056	2.27	VQ	.	.	.	.
0.067	0.0100	3.17	VQ	.	.	.	.
0.083	0.0152	3.79	VQ	.	.	.	.
0.100	0.0205	3.81	VQ	.	.	.	.
0.117	0.0257	3.81	VQ	.	.	.	.
0.133	0.0310	3.81	VQ	.	.	.	.
0.150	0.0362	3.81	VQ	.	.	.	.
0.167	0.0415	3.81	VQ	.	.	.	.
0.183	0.0467	3.81	VQ	.	.	.	.
0.200	0.0520	3.81	VQ	.	.	.	.
0.217	0.0572	3.81	VQ	.	.	.	.
0.233	0.0625	3.81	VQ	.	.	.	.
0.250	0.0677	3.81	VQ	.	.	.	.
0.267	0.0730	3.81	VQ	.	.	.	.
0.283	0.0782	3.82	VQ	.	.	.	.
0.300	0.0835	3.82	VQ	.	.	.	.
0.317	0.0887	3.82	VQ	.	.	.	.
0.333	0.0940	3.82	VQ	.	.	.	.
0.350	0.0993	3.83	VQ	.	.	.	.
0.367	0.1045	3.83	VQ	.	.	.	.
0.383	0.1098	3.83	VQ	.	.	.	.
0.400	0.1151	3.83	VQ	.	.	.	.
0.417	0.1204	3.83	VQ	.	.	.	.
0.433	0.1257	3.84	VQ	.	.	.	.
0.450	0.1310	3.84	VQ	.	.	.	.
0.467	0.1362	3.84	VQ	.	.	.	.
0.483	0.1415	3.84	VQ	.	.	.	.
0.500	0.1468	3.84	VQ	.	.	.	.
0.517	0.1521	3.85	VQ	.	.	.	.
0.533	0.1574	3.85	VQ	.	.	.	.
0.550	0.1627	3.85	VQ	.	.	.	.
0.567	0.1680	3.85	VQ	.	.	.	.
0.583	0.1733	3.85	VQ	.	.	.	.
0.600	0.1786	3.85	VQ	.	.	.	.
0.617	0.1839	3.85	VQ	.	.	.	.
0.633	0.1893	3.85	VQ	.	.	.	.
0.650	0.1946	3.85	VQ	.	.	.	.
0.667	0.1999	3.86	VQ	.	.	.	.
0.683	0.2052	3.86	VQ	.	.	.	.
0.700	0.2105	3.86	VQ	.	.	.	.
0.717	0.2158	3.86	VQ	.	.	.	.
0.733	0.2212	3.87	VQ	.	.	.	.
0.750	0.2265	3.87	VQ	.	.	.	.
0.767	0.2318	3.87	VQ	.	.	.	.
0.783	0.2371	3.87	VQ	.	.	.	.
0.800	0.2425	3.88	VQ	.	.	.	.
0.817	0.2478	3.88	VQ	.	.	.	.
0.833	0.2532	3.88	VQ	.	.	.	.
0.850	0.2585	3.88	VQ	.	.	.	.
0.867	0.2639	3.89	VQ	.	.	.	.
0.883	0.2692	3.89	VQ	.	.	.	.
0.900	0.2746	3.89	VQ	.	.	.	.
0.917	0.2799	3.89	VQ	.	.	.	.
0.933	0.2853	3.89	VQ	.	.	.	.
0.950	0.2907	3.89	VQ	.	.	.	.
0.967	0.2960	3.89	VQ	.	.	.	.
0.983	0.3014	3.89	VQ	.	.	.	.
1.000	0.3067	3.89	VQ	.	.	.	.
1.017	0.3121	3.90	VQ	.	.	.	.
1.033	0.3175	3.90	VQ	.	.	.	.
1.050	0.3228	3.90	VQ	.	.	.	.
1.067	0.3282	3.90	VQ	.	.	.	.
1.083	0.3336	3.90	VQ	.	.	.	.
1.100	0.3390	3.91	VQ	.	.	.	.
1.117	0.3444	3.91	.Q	.	.	.	.
1.133	0.3497	3.91	.Q	.	.	.	.
1.150	0.3551	3.91	.Q	.	.	.	.

1.167	0.3605	3.92	.Q	.	.	.	.
1.183	0.3659	3.92	.Q	.	.	.	.
1.200	0.3713	3.92	.Q	.	.	.	.
1.217	0.3767	3.92	.Q	.	.	.	.
1.233	0.3821	3.93	.Q	.	.	.	.
1.250	0.3875	3.93	.Q	.	.	.	.
1.267	0.3930	3.93	.Q	.	.	.	.
1.283	0.3984	3.93	.Q	.	.	.	.
1.300	0.4038	3.93	.Q	.	.	.	.
1.317	0.4092	3.93	.Q	.	.	.	.
1.333	0.4146	3.94	.Q	.	.	.	.
1.350	0.4200	3.94	.Q	.	.	.	.
1.367	0.4255	3.94	.Q	.	.	.	.
1.383	0.4309	3.94	.Q	.	.	.	.
1.400	0.4363	3.94	.Q	.	.	.	.
1.417	0.4418	3.94	.Q	.	.	.	.
1.433	0.4472	3.94	.Q	.	.	.	.
1.450	0.4526	3.94	.Q	.	.	.	.
1.467	0.4581	3.95	.Q	.	.	.	.
1.483	0.4635	3.95	.Q	.	.	.	.
1.500	0.4689	3.95	.Q	.	.	.	.
1.517	0.4744	3.95	.Q	.	.	.	.
1.533	0.4798	3.96	.Q	.	.	.	.
1.550	0.4853	3.96	.Q	.	.	.	.
1.567	0.4907	3.96	.Q	.	.	.	.
1.583	0.4962	3.96	.Q	.	.	.	.
1.600	0.5017	3.97	.Q	.	.	.	.
1.617	0.5071	3.97	.Q	.	.	.	.
1.633	0.5126	3.97	.Q	.	.	.	.
1.650	0.5181	3.97	.Q	.	.	.	.
1.667	0.5236	3.98	.Q	.	.	.	.
1.683	0.5290	3.98	.Q	.	.	.	.
1.700	0.5345	3.98	.Q	.	.	.	.
1.717	0.5400	3.98	.Q	.	.	.	.
1.733	0.5455	3.98	.Q	.	.	.	.
1.750	0.5510	3.98	.Q	.	.	.	.
1.767	0.5565	3.98	.Q	.	.	.	.
1.783	0.5620	3.99	.Q	.	.	.	.
1.800	0.5674	3.99	.Q	.	.	.	.
1.817	0.5729	3.99	.Q	.	.	.	.
1.833	0.5784	3.99	.Q	.	.	.	.
1.850	0.5839	3.99	.Q	.	.	.	.
1.867	0.5894	3.99	.Q	.	.	.	.
1.883	0.5949	4.00	.Q	.	.	.	.
1.900	0.6004	4.00	.Q	.	.	.	.
1.917	0.6060	4.00	.Q	.	.	.	.
1.933	0.6115	4.00	.Q	.	.	.	.
1.950	0.6170	4.01	.Q	.	.	.	.
1.967	0.6225	4.01	.Q	.	.	.	.
1.983	0.6280	4.01	.Q	.	.	.	.
2.000	0.6336	4.02	.Q	.	.	.	.
2.017	0.6391	4.02	.Q	.	.	.	.
2.033	0.6447	4.02	.Q	.	.	.	.
2.050	0.6502	4.02	.Q	.	.	.	.
2.067	0.6557	4.02	.Q	.	.	.	.
2.083	0.6613	4.03	.Q	.	.	.	.
2.100	0.6668	4.03	.Q	.	.	.	.
2.117	0.6724	4.03	.Q	.	.	.	.
2.133	0.6779	4.03	.Q	.	.	.	.
2.150	0.6835	4.03	.QV	.	.	.	.
2.167	0.6890	4.03	.QV	.	.	.	.
2.183	0.6946	4.03	.QV	.	.	.	.
2.200	0.7002	4.04	.QV	.	.	.	.
2.217	0.7057	4.04	.QV	.	.	.	.
2.233	0.7113	4.04	.QV	.	.	.	.
2.250	0.7169	4.04	.QV	.	.	.	.
2.267	0.7224	4.04	.QV	.	.	.	.
2.283	0.7280	4.05	.QV	.	.	.	.
2.300	0.7336	4.05	.QV	.	.	.	.
2.317	0.7392	4.05	.QV	.	.	.	.
2.333	0.7447	4.06	.QV	.	.	.	.
2.350	0.7503	4.06	. Q	.	.	.	.

2.367	0.7559	4.06	. Q	.	.	.	.
2.383	0.7615	4.06	. Q	.	.	.	.
2.400	0.7671	4.07	. Q	.	.	.	.
2.417	0.7727	4.07	. Q	.	.	.	.
2.433	0.7783	4.07	. Q	.	.	.	.
2.450	0.7840	4.07	. Q	.	.	.	.
2.467	0.7896	4.08	. Q	.	.	.	.
2.483	0.7952	4.08	. Q	.	.	.	.
2.500	0.8008	4.08	. Q	.	.	.	.
2.517	0.8064	4.08	. Q	.	.	.	.
2.533	0.8120	4.08	. Q	.	.	.	.
2.550	0.8177	4.08	. Q	.	.	.	.
2.567	0.8233	4.08	. Q	.	.	.	.
2.583	0.8289	4.09	. Q	.	.	.	.
2.600	0.8346	4.09	. Q	.	.	.	.
2.617	0.8402	4.09	. Q	.	.	.	.
2.633	0.8458	4.09	. Q	.	.	.	.
2.650	0.8515	4.09	. Q	.	.	.	.
2.667	0.8571	4.10	. Q	.	.	.	.
2.683	0.8627	4.10	. Q	.	.	.	.
2.700	0.8684	4.10	. Q	.	.	.	.
2.717	0.8740	4.10	. Q	.	.	.	.
2.733	0.8797	4.11	. Q	.	.	.	.
2.750	0.8854	4.11	. Q	.	.	.	.
2.767	0.8910	4.11	. Q	.	.	.	.
2.783	0.8967	4.12	. Q	.	.	.	.
2.800	0.9024	4.12	. Q	.	.	.	.
2.817	0.9081	4.12	. Q	.	.	.	.
2.833	0.9137	4.13	. Q	.	.	.	.
2.850	0.9194	4.13	. Q	.	.	.	.
2.867	0.9251	4.13	. Q	.	.	.	.
2.883	0.9308	4.13	. Q	.	.	.	.
2.900	0.9365	4.13	. Q	.	.	.	.
2.917	0.9422	4.13	. Q	.	.	.	.
2.933	0.9479	4.13	. Q	.	.	.	.
2.950	0.9536	4.14	. Q	.	.	.	.
2.967	0.9593	4.14	. Q	.	.	.	.
2.983	0.9650	4.14	. Q	.	.	.	.
3.000	0.9707	4.14	. Q	.	.	.	.
3.017	0.9764	4.14	. Q	.	.	.	.
3.033	0.9821	4.14	. Q	.	.	.	.
3.050	0.9878	4.15	. Q	.	.	.	.
3.067	0.9935	4.15	. Q	.	.	.	.
3.083	0.9992	4.15	. Q	.	.	.	.
3.100	1.0050	4.16	. Q	.	.	.	.
3.117	1.0107	4.16	. Q	.	.	.	.
3.133	1.0164	4.16	. Q	.	.	.	.
3.150	1.0222	4.17	. QV	.	.	.	.
3.167	1.0279	4.17	. QV	.	.	.	.
3.183	1.0337	4.17	. QV	.	.	.	.
3.200	1.0394	4.17	. QV	.	.	.	.
3.217	1.0452	4.18	. QV	.	.	.	.
3.233	1.0509	4.18	. QV	.	.	.	.
3.250	1.0567	4.18	. QV	.	.	.	.
3.267	1.0624	4.18	. QV	.	.	.	.
3.283	1.0682	4.18	. QV	.	.	.	.
3.300	1.0740	4.19	. QV	.	.	.	.
3.317	1.0797	4.19	. QV	.	.	.	.
3.333	1.0855	4.19	. QV	.	.	.	.
3.350	1.0913	4.19	. QV	.	.	.	.
3.367	1.0971	4.19	. QV	.	.	.	.
3.383	1.1028	4.19	. QV	.	.	.	.
3.400	1.1086	4.20	. QV	.	.	.	.
3.417	1.1144	4.20	. QV	.	.	.	.
3.433	1.1202	4.20	. QV	.	.	.	.
3.450	1.1260	4.20	. QV	.	.	.	.
3.467	1.1318	4.21	. QV	.	.	.	.
3.483	1.1376	4.21	. QV	.	.	.	.
3.500	1.1434	4.21	. QV	.	.	.	.
3.517	1.1492	4.22	. QV	.	.	.	.
3.533	1.1550	4.22	. QV	.	.	.	.
3.550	1.1608	4.22	. QV	.	.	.	.

3.567	1.1666	4.23	. QV	.	.	.	.
3.583	1.1725	4.23	. QV	.	.	.	.
3.600	1.1783	4.23	. QV	.	.	.	.
3.617	1.1841	4.24	. QV	.	.	.	.
3.633	1.1900	4.24	. QV	.	.	.	.
3.650	1.1958	4.24	. QV	.	.	.	.
3.667	1.2016	4.24	. QV	.	.	.	.
3.683	1.2075	4.24	. QV	.	.	.	.
3.700	1.2133	4.24	. QV	.	.	.	.
3.717	1.2192	4.25	. QV	.	.	.	.
3.733	1.2250	4.25	. QV	.	.	.	.
3.750	1.2309	4.25	. QV	.	.	.	.
3.767	1.2367	4.25	. QV	.	.	.	.
3.783	1.2426	4.25	. QV	.	.	.	.
3.800	1.2484	4.25	. QV	.	.	.	.
3.817	1.2543	4.26	. QV	.	.	.	.
3.833	1.2602	4.26	. QV	.	.	.	.
3.850	1.2661	4.26	. QV	.	.	.	.
3.867	1.2719	4.27	. QV	.	.	.	.
3.883	1.2778	4.27	. QV	.	.	.	.
3.900	1.2837	4.27	. QV	.	.	.	.
3.917	1.2896	4.28	. QV	.	.	.	.
3.933	1.2955	4.28	. QV	.	.	.	.
3.950	1.3014	4.28	. QV	.	.	.	.
3.967	1.3073	4.29	. QV	.	.	.	.
3.983	1.3132	4.29	. QV	.	.	.	.
4.000	1.3191	4.29	. QV	.	.	.	.
4.017	1.3250	4.30	. QV	.	.	.	.
4.033	1.3309	4.30	. QV	.	.	.	.
4.050	1.3369	4.30	. QV	.	.	.	.
4.067	1.3428	4.30	. QV	.	.	.	.
4.083	1.3487	4.30	. QV	.	.	.	.
4.100	1.3546	4.30	. QV	.	.	.	.
4.117	1.3606	4.31	. QV	.	.	.	.
4.133	1.3665	4.31	. Q V	.	.	.	.
4.150	1.3724	4.31	. Q V	.	.	.	.
4.167	1.3784	4.31	. Q V	.	.	.	.
4.183	1.3843	4.31	. Q V	.	.	.	.
4.200	1.3903	4.32	. Q V	.	.	.	.
4.217	1.3962	4.32	. Q V	.	.	.	.
4.233	1.4022	4.32	. Q V	.	.	.	.
4.250	1.4081	4.32	. Q V	.	.	.	.
4.267	1.4141	4.33	. Q V	.	.	.	.
4.283	1.4201	4.33	. Q V	.	.	.	.
4.300	1.4260	4.34	. Q V	.	.	.	.
4.317	1.4320	4.34	. Q V	.	.	.	.
4.333	1.4380	4.34	. Q V	.	.	.	.
4.350	1.4440	4.35	. Q V	.	.	.	.
4.367	1.4500	4.35	. Q V	.	.	.	.
4.383	1.4560	4.35	. Q V	.	.	.	.
4.400	1.4620	4.36	. Q V	.	.	.	.
4.417	1.4680	4.36	. Q V	.	.	.	.
4.433	1.4740	4.36	. Q V	.	.	.	.
4.450	1.4800	4.36	. Q V	.	.	.	.
4.467	1.4860	4.36	. Q V	.	.	.	.
4.483	1.4920	4.37	. Q V	.	.	.	.
4.500	1.4980	4.37	. Q V	.	.	.	.
4.517	1.5040	4.37	. Q V	.	.	.	.
4.533	1.5101	4.37	. Q V	.	.	.	.
4.550	1.5161	4.37	. Q V	.	.	.	.
4.567	1.5221	4.38	. Q V	.	.	.	.
4.583	1.5281	4.38	. Q V	.	.	.	.
4.600	1.5342	4.38	. Q V	.	.	.	.
4.617	1.5402	4.38	. Q V	.	.	.	.
4.633	1.5463	4.39	. Q V	.	.	.	.
4.650	1.5523	4.39	. Q V	.	.	.	.
4.667	1.5584	4.39	. Q V	.	.	.	.
4.683	1.5644	4.40	. Q V	.	.	.	.
4.700	1.5705	4.40	. Q V	.	.	.	.
4.717	1.5765	4.40	. Q V	.	.	.	.
4.733	1.5826	4.41	. Q V	.	.	.	.
4.750	1.5887	4.41	. Q V	.	.	.	.

4.767	1.5948	4.42	. Q V	.	.	.	.
4.783	1.6009	4.42	. Q V	.	.	.	.
4.800	1.6069	4.42	. Q V	.	.	.	.
4.817	1.6130	4.42	. Q V	.	.	.	.
4.833	1.6191	4.43	. Q V	.	.	.	.
4.850	1.6252	4.43	. Q V	.	.	.	.
4.867	1.6313	4.43	. Q V	.	.	.	.
4.883	1.6374	4.43	. Q V	.	.	.	.
4.900	1.6436	4.43	. Q V	.	.	.	.
4.917	1.6497	4.44	. Q V	.	.	.	.
4.933	1.6558	4.44	. Q V	.	.	.	.
4.950	1.6619	4.44	. Q V	.	.	.	.
4.967	1.6680	4.44	. Q V	.	.	.	.
4.983	1.6741	4.44	. Q V	.	.	.	.
5.000	1.6803	4.45	. Q V	.	.	.	.
5.017	1.6864	4.45	. Q V	.	.	.	.
5.033	1.6925	4.45	. Q V	.	.	.	.
5.050	1.6987	4.46	. Q V	.	.	.	.
5.067	1.7048	4.46	. Q V	.	.	.	.
5.083	1.7110	4.47	. Q V	.	.	.	.
5.100	1.7171	4.47	. Q V	.	.	.	.
5.117	1.7233	4.47	. Q V	.	.	.	.
5.133	1.7295	4.48	. Q V	.	.	.	.
5.150	1.7356	4.48	. Q V	.	.	.	.
5.167	1.7418	4.49	. Q V	.	.	.	.
5.183	1.7480	4.49	. Q V	.	.	.	.
5.200	1.7542	4.49	. Q V	.	.	.	.
5.217	1.7604	4.49	. Q V	.	.	.	.
5.233	1.7666	4.50	. Q V	.	.	.	.
5.250	1.7728	4.50	. Q V	.	.	.	.
5.267	1.7790	4.50	. Q V	.	.	.	.
5.283	1.7852	4.50	. Q V	.	.	.	.
5.300	1.7914	4.50	. Q V	.	.	.	.
5.317	1.7976	4.51	. Q V	.	.	.	.
5.333	1.8038	4.51	. Q V	.	.	.	.
5.350	1.8100	4.51	. Q V	.	.	.	.
5.367	1.8162	4.51	. Q V	.	.	.	.
5.383	1.8224	4.51	. Q V	.	.	.	.
5.400	1.8287	4.52	. Q V	.	.	.	.
5.417	1.8349	4.52	. Q V	.	.	.	.
5.433	1.8411	4.53	. Q V	.	.	.	.
5.450	1.8474	4.53	. Q V	.	.	.	.
5.467	1.8536	4.53	. Q V	.	.	.	.
5.483	1.8599	4.54	. Q V	.	.	.	.
5.500	1.8661	4.54	. Q V	.	.	.	.
5.517	1.8724	4.55	. Q V	.	.	.	.
5.533	1.8786	4.55	. Q V	.	.	.	.
5.550	1.8849	4.55	. Q V	.	.	.	.
5.567	1.8912	4.56	. Q V	.	.	.	.
5.583	1.8975	4.56	. Q V	.	.	.	.
5.600	1.9038	4.57	. Q V	.	.	.	.
5.617	1.9101	4.57	. Q V	.	.	.	.
5.633	1.9164	4.57	. Q V	.	.	.	.
5.650	1.9227	4.57	. Q V	.	.	.	.
5.667	1.9290	4.57	. Q V	.	.	.	.
5.683	1.9353	4.58	. Q V	.	.	.	.
5.700	1.9416	4.58	. Q V	.	.	.	.
5.717	1.9479	4.58	. Q V	.	.	.	.
5.733	1.9542	4.58	. Q V	.	.	.	.
5.750	1.9605	4.58	. Q V	.	.	.	.
5.767	1.9668	4.59	. Q V	.	.	.	.
5.783	1.9731	4.59	. Q V	.	.	.	.
5.800	1.9795	4.59	. Q V	.	.	.	.
5.817	1.9858	4.60	. Q V	.	.	.	.
5.833	1.9921	4.60	. Q V	.	.	.	.
5.850	1.9985	4.61	. Q V	.	.	.	.
5.867	2.0048	4.61	. Q V	.	.	.	.
5.883	2.0112	4.61	. Q V	.	.	.	.
5.900	2.0175	4.62	. Q V	.	.	.	.
5.917	2.0239	4.62	. Q V	.	.	.	.
5.933	2.0303	4.63	. Q V	.	.	.	.
5.950	2.0367	4.63	. Q V	.	.	.	.

5.967	2.0431	4.64	.	Q	V	.	.	.	.
5.983	2.0494	4.64	.	Q	V	.	.	.	.
6.000	2.0558	4.64	.	Q	V	.	.	.	.
6.017	2.0622	4.64	.	Q	V	.	.	.	.
6.033	2.0686	4.65	.	Q	V	.	.	.	.
6.050	2.0750	4.65	.	Q	V	.	.	.	.
6.067	2.0815	4.65	.	Q	V	.	.	.	.
6.083	2.0879	4.65	.	Q	V	.	.	.	.
6.100	2.0943	4.66	.	Q	V	.	.	.	.
6.117	2.1007	4.66	.	Q	V	.	.	.	.
6.133	2.1071	4.66	.	Q	V	.	.	.	.
6.150	2.1135	4.66	.	Q	V	.	.	.	.
6.167	2.1200	4.67	.	Q	V	.	.	.	.
6.183	2.1264	4.67	.	Q	V	.	.	.	.
6.200	2.1328	4.67	.	Q	V	.	.	.	.
6.217	2.1393	4.68	.	Q	V	.	.	.	.
6.233	2.1457	4.68	.	Q	V	.	.	.	.
6.250	2.1522	4.69	.	Q	V	.	.	.	.
6.267	2.1586	4.69	.	Q	V	.	.	.	.
6.283	2.1651	4.70	.	Q	V	.	.	.	.
6.300	2.1716	4.70	.	Q	V	.	.	.	.
6.317	2.1781	4.71	.	Q	V	.	.	.	.
6.333	2.1845	4.71	.	Q	V	.	.	.	.
6.350	2.1910	4.71	.	Q	V	.	.	.	.
6.367	2.1975	4.72	.	Q	V	.	.	.	.
6.383	2.2040	4.72	.	Q	V	.	.	.	.
6.400	2.2105	4.72	.	Q	V	.	.	.	.
6.417	2.2171	4.73	.	Q	V	.	.	.	.
6.433	2.2236	4.73	.	Q	V	.	.	.	.
6.450	2.2301	4.73	.	Q	V	.	.	.	.
6.467	2.2366	4.73	.	Q	V	.	.	.	.
6.483	2.2431	4.74	.	Q	V	.	.	.	.
6.500	2.2497	4.74	.	Q	V	.	.	.	.
6.517	2.2562	4.74	.	Q	V	.	.	.	.
6.533	2.2627	4.74	.	Q	V	.	.	.	.
6.550	2.2693	4.75	.	Q	V	.	.	.	.
6.567	2.2758	4.75	.	Q	V	.	.	.	.
6.583	2.2823	4.75	.	Q	V	.	.	.	.
6.600	2.2889	4.76	.	Q	V	.	.	.	.
6.617	2.2955	4.76	.	Q	V	.	.	.	.
6.633	2.3020	4.77	.	Q	V	.	.	.	.
6.650	2.3086	4.77	.	Q	V	.	.	.	.
6.667	2.3152	4.78	.	Q	V	.	.	.	.
6.683	2.3218	4.78	.	Q	V	.	.	.	.
6.700	2.3284	4.79	.	Q	V	.	.	.	.
6.717	2.3350	4.79	.	Q	V	.	.	.	.
6.733	2.3416	4.80	.	Q	V	.	.	.	.
6.750	2.3482	4.80	.	Q	V	.	.	.	.
6.767	2.3548	4.81	.	Q	V	.	.	.	.
6.783	2.3614	4.81	.	Q	V	.	.	.	.
6.800	2.3680	4.81	.	Q	V	.	.	.	.
6.817	2.3747	4.81	.	Q	V	.	.	.	.
6.833	2.3813	4.82	.	Q	V	.	.	.	.
6.850	2.3879	4.82	.	Q	V	.	.	.	.
6.867	2.3946	4.82	.	Q	V	.	.	.	.
6.883	2.4012	4.82	.	Q	V	.	.	.	.
6.900	2.4079	4.83	.	Q	V	.	.	.	.
6.917	2.4145	4.83	.	Q	V	.	.	.	.
6.933	2.4212	4.83	.	Q	V	.	.	.	.
6.950	2.4278	4.83	.	Q	V	.	.	.	.
6.967	2.4345	4.84	.	Q	V	.	.	.	.
6.983	2.4412	4.84	.	Q	V	.	.	.	.
7.000	2.4478	4.85	.	Q	V	.	.	.	.
7.017	2.4545	4.85	.	Q	V	.	.	.	.
7.033	2.4612	4.86	.	Q	V	.	.	.	.
7.050	2.4679	4.86	.	Q	V	.	.	.	.
7.067	2.4746	4.87	.	Q	V	.	.	.	.
7.083	2.4813	4.87	.	Q	V	.	.	.	.
7.100	2.4880	4.88	.	Q	V	.	.	.	.
7.117	2.4948	4.88	.	Q	V	.	.	.	.
7.133	2.5015	4.89	.	Q	V	.	.	.	.
7.150	2.5082	4.89	.	Q	V	.	.	.	.

7.167	2.5150	4.90	.	Q	V	.	.	.
7.183	2.5217	4.90	.	Q	V	.	.	.
7.200	2.5285	4.90	.	Q	V	.	.	.
7.217	2.5353	4.91	.	Q	V	.	.	.
7.233	2.5420	4.91	.	Q	V	.	.	.
7.250	2.5488	4.91	.	Q	V	.	.	.
7.267	2.5555	4.91	.	Q	V	.	.	.
7.283	2.5623	4.92	.	Q	V	.	.	.
7.300	2.5691	4.92	.	Q	V	.	.	.
7.317	2.5759	4.92	.	Q	V	.	.	.
7.333	2.5826	4.92	.	Q	V	.	.	.
7.350	2.5894	4.93	.	Q	V	.	.	.
7.367	2.5962	4.93	.	Q	V	.	.	.
7.383	2.6030	4.94	.	Q	V	.	.	.
7.400	2.6098	4.94	.	Q	V	.	.	.
7.417	2.6167	4.95	.	Q	V	.	.	.
7.433	2.6235	4.95	.	Q	V	.	.	.
7.450	2.6303	4.96	.	Q	V	.	.	.
7.467	2.6371	4.96	.	Q	V	.	.	.
7.483	2.6440	4.97	.	Q	V	.	.	.
7.500	2.6508	4.98	.	Q	V	.	.	.
7.517	2.6577	4.98	.	Q	V	.	.	.
7.533	2.6646	4.99	.	Q	V	.	.	.
7.550	2.6714	4.99	.	Q	V	.	.	.
7.567	2.6783	5.00	.	Q	V	.	.	.
7.583	2.6852	5.00	.	Q	V	.	.	.
7.600	2.6921	5.00	.	Q	V	.	.	.
7.617	2.6990	5.00	.	Q	V	.	.	.
7.633	2.7059	5.01	.	Q	V	.	.	.
7.650	2.7128	5.01	.	Q	V	.	.	.
7.667	2.7197	5.01	.	Q	V	.	.	.
7.683	2.7266	5.01	.	Q	V	.	.	.
7.700	2.7335	5.02	.	Q	V	.	.	.
7.717	2.7404	5.02	.	Q	V	.	.	.
7.733	2.7473	5.02	.	Q	V	.	.	.
7.750	2.7543	5.03	.	Q	V	.	.	.
7.767	2.7612	5.03	.	Q	V	.	.	.
7.783	2.7681	5.04	.	Q	V	.	.	.
7.800	2.7751	5.04	.	Q	V	.	.	.
7.817	2.7820	5.05	.	Q	V	.	.	.
7.833	2.7890	5.06	.	Q	V	.	.	.
7.850	2.7960	5.06	.	Q	V	.	.	.
7.867	2.8030	5.07	.	Q	V	.	.	.
7.883	2.8099	5.07	.	Q	V	.	.	.
7.900	2.8169	5.08	.	Q	V	.	.	.
7.917	2.8240	5.09	.	Q	V	.	.	.
7.933	2.8310	5.09	.	Q	V	.	.	.
7.950	2.8380	5.10	.	Q	V	.	.	.
7.967	2.8450	5.10	.	Q	V	.	.	.
7.983	2.8520	5.10	.	Q	V	.	.	.
8.000	2.8591	5.11	.	Q	V	.	.	.
8.017	2.8661	5.11	.	Q	V	.	.	.
8.033	2.8731	5.11	.	Q	V	.	.	.
8.050	2.8802	5.11	.	Q	V	.	.	.
8.067	2.8872	5.12	.	Q	V	.	.	.
8.083	2.8943	5.12	.	Q	V	.	.	.
8.100	2.9014	5.12	.	Q	V	.	.	.
8.117	2.9084	5.13	.	Q	V	.	.	.
8.133	2.9155	5.13	.	Q	V	.	.	.
8.150	2.9226	5.13	.	Q	V	.	.	.
8.167	2.9296	5.14	.	Q	V	.	.	.
8.183	2.9367	5.15	.	Q	V	.	.	.
8.200	2.9438	5.15	.	Q	V	.	.	.
8.217	2.9509	5.16	.	Q	V	.	.	.
8.233	2.9580	5.17	.	Q	V	.	.	.
8.250	2.9652	5.17	.	Q	V	.	.	.
8.267	2.9723	5.18	.	Q	V	.	.	.
8.283	2.9794	5.19	.	Q	V	.	.	.
8.300	2.9866	5.19	.	Q	V	.	.	.
8.317	2.9938	5.20	.	Q	V	.	.	.
8.333	3.0009	5.20	.	Q	V	.	.	.
8.350	3.0081	5.21	.	Q	V	.	.	.

8.367	3.0153	5.21	. Q	V .	.	.	.
8.383	3.0225	5.21	. Q	V .	.	.	.
8.400	3.0296	5.22	. Q	V .	.	.	.
8.417	3.0368	5.22	. Q	V .	.	.	.
8.433	3.0440	5.22	. Q	V .	.	.	.
8.450	3.0512	5.23	. Q	V .	.	.	.
8.467	3.0584	5.23	. Q	V .	.	.	.
8.483	3.0656	5.23	. Q	V.	.	.	.
8.500	3.0729	5.24	. Q	V.	.	.	.
8.517	3.0801	5.24	. Q	V.	.	.	.
8.533	3.0873	5.24	. Q	V.	.	.	.
8.550	3.0945	5.25	. Q	V.	.	.	.
8.567	3.1018	5.26	. Q	V.	.	.	.
8.583	3.1090	5.26	. Q	V.	.	.	.
8.600	3.1163	5.27	. Q	V.	.	.	.
8.617	3.1236	5.28	. Q	V.	.	.	.
8.633	3.1308	5.28	. Q	V.	.	.	.
8.650	3.1381	5.29	. Q	V.	.	.	.
8.667	3.1454	5.30	. Q	V.	.	.	.
8.683	3.1527	5.30	. Q	V.	.	.	.
8.700	3.1600	5.31	. Q	V.	.	.	.
8.717	3.1674	5.32	. Q	V.	.	.	.
8.733	3.1747	5.32	. Q	V.	.	.	.
8.750	3.1820	5.33	. Q	V.	.	.	.
8.767	3.1894	5.33	. Q	V.	.	.	.
8.783	3.1967	5.34	. Q	V.	.	.	.
8.800	3.2041	5.34	. Q	V.	.	.	.
8.817	3.2115	5.34	. Q	V.	.	.	.
8.833	3.2188	5.35	. Q	V.	.	.	.
8.850	3.2262	5.35	. Q	V.	.	.	.
8.867	3.2336	5.35	. Q	V.	.	.	.
8.883	3.2409	5.36	. Q	V.	.	.	.
8.900	3.2483	5.36	. Q	V.	.	.	.
8.917	3.2557	5.36	. Q	V.	.	.	.
8.933	3.2631	5.37	. Q	V.	.	.	.
8.950	3.2705	5.38	. Q	V.	.	.	.
8.967	3.2779	5.38	. Q	V.	.	.	.
8.983	3.2853	5.39	. Q	V.	.	.	.
9.000	3.2928	5.40	. Q	V.	.	.	.
9.017	3.3002	5.41	. Q	V.	.	.	.
9.033	3.3077	5.41	. Q	V.	.	.	.
9.050	3.3151	5.42	. Q	V.	.	.	.
9.067	3.3226	5.43	. Q	V.	.	.	.
9.083	3.3301	5.43	. Q	V.	.	.	.
9.100	3.3376	5.44	. Q	V.	.	.	.
9.117	3.3451	5.45	. Q	V.	.	.	.
9.133	3.3526	5.45	. Q	V.	.	.	.
9.150	3.3601	5.46	. Q	V.	.	.	.
9.167	3.3677	5.46	. Q	V.	.	.	.
9.183	3.3752	5.47	. Q	V.	.	.	.
9.200	3.3827	5.47	. Q	V.	.	.	.
9.217	3.3903	5.47	. Q	V.	.	.	.
9.233	3.3978	5.48	. Q	V.	.	.	.
9.250	3.4054	5.48	. Q	V.	.	.	.
9.267	3.4129	5.49	. Q	V	.	.	.
9.283	3.4205	5.49	. Q	V	.	.	.
9.300	3.4280	5.49	. Q	V	.	.	.
9.317	3.4356	5.50	. Q	V	.	.	.
9.333	3.4432	5.50	. Q	V	.	.	.
9.350	3.4508	5.51	. Q	V	.	.	.
9.367	3.4584	5.52	. Q	V	.	.	.
9.383	3.4660	5.53	. Q	V	.	.	.
9.400	3.4736	5.54	. Q	V	.	.	.
9.417	3.4813	5.54	. Q	V	.	.	.
9.433	3.4889	5.55	. Q	V	.	.	.
9.450	3.4966	5.56	. Q	V	.	.	.
9.467	3.5042	5.57	. Q	V	.	.	.
9.483	3.5119	5.57	. Q	V	.	.	.
9.500	3.5196	5.58	. Q	V	.	.	.
9.517	3.5273	5.59	. Q	V	.	.	.
9.533	3.5350	5.60	. Q	V	.	.	.
9.550	3.5427	5.60	. Q	V	.	.	.

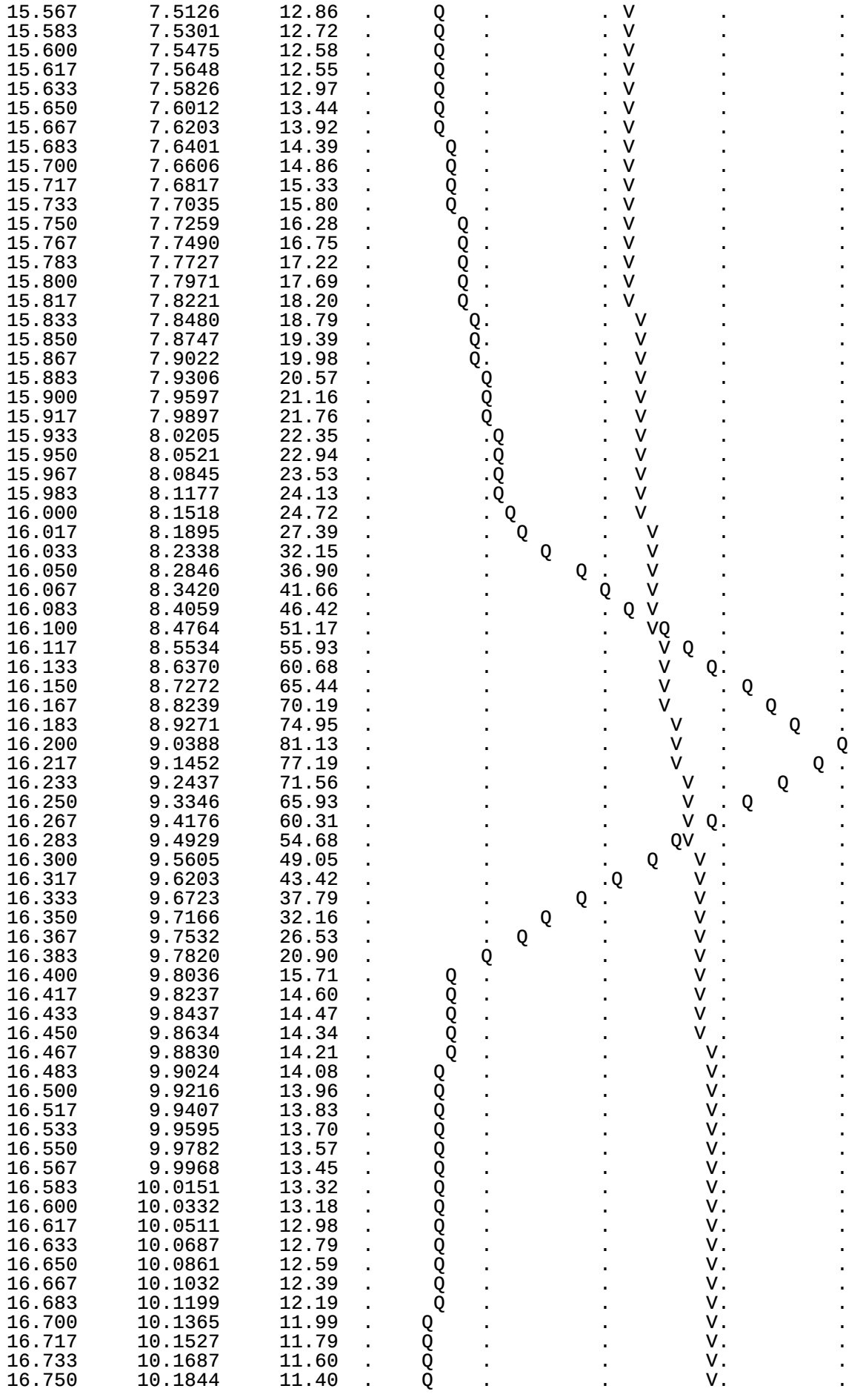
9.567	3.5504	5.60	. Q	V	.	.	.
9.583	3.5582	5.61	. Q	V	.	.	.
9.600	3.5659	5.61	. Q	V	.	.	.
9.617	3.5736	5.62	. Q	V	.	.	.
9.633	3.5814	5.62	. Q	V	.	.	.
9.650	3.5891	5.62	. Q	V	.	.	.
9.667	3.5969	5.63	. Q	V	.	.	.
9.683	3.6046	5.63	. Q	V	.	.	.
9.700	3.6124	5.64	. Q	V	.	.	.
9.717	3.6202	5.64	. Q	V	.	.	.
9.733	3.6279	5.65	. Q	V	.	.	.
9.750	3.6357	5.66	. Q	V	.	.	.
9.767	3.6435	5.67	. Q	V	.	.	.
9.783	3.6514	5.68	. Q	V	.	.	.
9.800	3.6592	5.68	. Q	V	.	.	.
9.817	3.6670	5.69	. Q	V	.	.	.
9.833	3.6749	5.70	. Q	V	.	.	.
9.850	3.6828	5.71	. Q	V	.	.	.
9.867	3.6906	5.72	. Q	V	.	.	.
9.883	3.6985	5.73	. Q	V	.	.	.
9.900	3.7064	5.74	. Q	V	.	.	.
9.917	3.7143	5.74	. Q	V	.	.	.
9.933	3.7223	5.75	. Q	V	.	.	.
9.950	3.7302	5.75	. Q	V	.	.	.
9.967	3.7381	5.76	. Q	V	.	.	.
9.983	3.7460	5.76	. Q	V	.	.	.
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10.383	3.9393	5.93	. Q	.V	.	.	.
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10.483	3.9885	5.96	. Q	.V	.	.	.
10.500	3.9967	5.97	. Q	.V	.	.	.
10.517	4.0049	5.98	. Q	.V	.	.	.
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10.550	4.0214	6.00	. Q	.V	.	.	.
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10.650	4.0713	6.06	. Q	.V	.	.	.
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10.883	4.1892	6.15	.	Q	.	V	.	.	.
10.900	4.1977	6.16	.	Q	.	V	.	.	.
10.917	4.2062	6.17	.	Q	.	V	.	.	.
10.933	4.2147	6.18	.	Q	.	V	.	.	.
10.950	4.2232	6.19	.	Q	.	V	.	.	.
10.967	4.2318	6.21	.	Q	.	V	.	.	.
10.983	4.2404	6.22	.	Q	.	V	.	.	.
11.000	4.2489	6.23	.	Q	.	V	.	.	.
11.017	4.2575	6.24	.	Q	.	V	.	.	.
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11.267	4.3879	6.36	.	Q	.	V	.	.	.
11.283	4.3967	6.36	.	Q	.	V	.	.	.
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11.533	4.5303	6.54	.	Q	.	V	.	.	.
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11.617	4.5754	6.57	.	Q	.	V	.	.	.
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11.900	4.7318	6.79	.	Q	.	V	.	.	.
11.917	4.7412	6.79	.	Q	.	V	.	.	.
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11.950	4.7599	6.81	.	Q	.	V	.	.	.

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13.383	5.6632	8.40	.	Q	.	V	.	.	.	
13.400	5.6748	8.43	.	Q	.	V	.	.	.	
13.417	5.6865	8.46	.	Q	.	V	.	.	.	
13.433	5.6982	8.48	.	Q	.	V	.	.	.	
13.450	5.7099	8.51	.	Q	.	V	.	.	.	
13.467	5.7216	8.53	.	Q	.	V	.	.	.	
13.483	5.7334	8.54	.	Q	.	V	.	.	.	
13.500	5.7452	8.56	.	Q	.	V	.	.	.	
13.517	5.7570	8.57	.	Q	.	V	.	.	.	
13.533	5.7688	8.59	.	Q	.	V	.	.	.	
13.550	5.7807	8.60	.	Q	.	V	.	.	.	
13.567	5.7925	8.62	.	Q	.	V	.	.	.	
13.583	5.8044	8.63	.	Q	.	V	.	.	.	
13.600	5.8164	8.65	.	Q	.	V	.	.	.	
13.617	5.8283	8.66	.	Q	.	V	.	.	.	
13.633	5.8402	8.68	.	Q	.	V	.	.	.	
13.650	5.8522	8.70	.	Q	.	V	.	.	.	
13.667	5.8642	8.73	.	Q	.	V	.	.	.	
13.683	5.8763	8.76	.	Q	.	V	.	.	.	
13.700	5.8884	8.80	.	Q	.	V	.	.	.	
13.717	5.9006	8.83	.	Q	.	V	.	.	.	
13.733	5.9128	8.87	.	Q	.	V	.	.	.	
13.750	5.9251	8.90	.	Q	.	V	.	.	.	
13.767	5.9374	8.93	.	Q	.	V	.	.	.	
13.783	5.9497	8.97	.	Q	.	V	.	.	.	
13.800	5.9621	9.00	.	Q	.	V	.	.	.	
13.817	5.9746	9.03	.	Q	.	V	.	.	.	
13.833	5.9871	9.07	.	Q	.	V	.	.	.	
13.850	5.9996	9.10	.	Q	.	V	.	.	.	
13.867	6.0121	9.12	.	Q	.	V	.	.	.	
13.883	6.0247	9.14	.	Q	.	V	.	.	.	
13.900	6.0373	9.15	.	Q	.	V	.	.	.	
13.917	6.0500	9.17	.	Q	.	V	.	.	.	
13.933	6.0626	9.19	.	Q	.	V	.	.	.	
13.950	6.0753	9.21	.	Q	.	V	.	.	.	
13.967	6.0880	9.23	.	Q	.	V	.	.	.	
13.983	6.1008	9.25	.	Q	.	V	.	.	.	
14.000	6.1135	9.27	.	Q	.	V	.	.	.	
14.017	6.1263	9.29	.	Q	.	V	.	.	.	
14.033	6.1392	9.31	.	Q	.	V	.	.	.	
14.050	6.1520	9.30	.	Q	.	V	.	.	.	
14.067	6.1647	9.26	.	Q	.	V	.	.	.	
14.083	6.1774	9.23	.	Q	.	V	.	.	.	
14.100	6.1901	9.19	.	Q	.	V	.	.	.	
14.117	6.2027	9.16	.	Q	.	V	.	.	.	
14.133	6.2153	9.12	.	Q	.	V	.	.	.	
14.150	6.2278	9.08	.	Q	.	V	.	.	.	
14.167	6.2402	9.05	.	Q	.	V	.	.	.	
14.183	6.2527	9.01	.	Q	.	V	.	.	.	
14.200	6.2650	8.98	.	Q	.	V	.	.	.	
14.217	6.2773	8.94	.	Q	.	V	.	.	.	
14.233	6.2896	8.91	.	Q	.	V	.	.	.	
14.250	6.3019	8.91	.	Q	.	V	.	.	.	
14.267	6.3142	8.94	.	Q	.	V	.	.	.	
14.283	6.3266	8.97	.	Q	.	V	.	.	.	
14.300	6.3389	8.99	.	Q	.	V	.	.	.	
14.317	6.3514	9.02	.	Q	.	V	.	.	.	
14.333	6.3638	9.04	.	Q	.	V	.	.	.	
14.350	6.3763	9.07	.	Q	.	V	.	.	.	

14.367	6.3888	9.09	.	Q	.	V	.	.	.	.
14.383	6.4014	9.12	.	Q	.	V	.	.	.	.
14.400	6.4140	9.15	.	Q	.	V	.	.	.	.
14.417	6.4266	9.17	.	Q	.	V	.	.	.	.
14.433	6.4393	9.20	.	Q	.	V	.	.	.	.
14.450	6.4520	9.26	.	Q	.	V	.	.	.	.
14.467	6.4649	9.32	.	Q	.	V	.	.	.	.
14.483	6.4778	9.38	.	Q	.	V	.	.	.	.
14.500	6.4908	9.44	.	Q	.	V	.	.	.	.
14.517	6.5039	9.50	.	Q	.	V	.	.	.	.
14.533	6.5171	9.56	.	Q	.	V	.	.	.	.
14.550	6.5303	9.62	.	Q	.	V	.	.	.	.
14.567	6.5437	9.69	.	Q	.	V	.	.	.	.
14.583	6.5571	9.75	.	Q	.	V	.	.	.	.
14.600	6.5706	9.81	.	Q	.	V	.	.	.	.
14.617	6.5842	9.87	.	Q	.	V	.	.	.	.
14.633	6.5979	9.93	.	Q	.	V	.	.	.	.
14.650	6.6116	9.97	.	Q	.	V	.	.	.	.
14.667	6.6254	10.00	.	Q	.	V	.	.	.	.
14.683	6.6392	10.04	.	Q	.	V	.	.	.	.
14.700	6.6531	10.08	.	Q	.	V	.	.	.	.
14.717	6.6670	10.11	.	Q	.	V	.	.	.	.
14.733	6.6810	10.15	.	Q	.	V	.	.	.	.
14.750	6.6950	10.19	.	Q	.	V	.	.	.	.
14.767	6.7091	10.22	.	Q	.	V	.	.	.	.
14.783	6.7232	10.26	.	Q	.	V	.	.	.	.
14.800	6.7374	10.30	.	Q	.	V	.	.	.	.
14.817	6.7517	10.34	.	Q	.	V	.	.	.	.
14.833	6.7660	10.39	.	Q	.	V	.	.	.	.
14.850	6.7804	10.48	.	Q	.	V	.	.	.	.
14.867	6.7950	10.57	.	Q	.	V	.	.	.	.
14.883	6.8097	10.67	.	Q	.	V	.	.	.	.
14.900	6.8245	10.76	.	Q	.	V	.	.	.	.
14.917	6.8394	10.85	.	Q	.	V	.	.	.	.
14.933	6.8545	10.94	.	Q	.	V	.	.	.	.
14.950	6.8697	11.03	.	Q	.	V	.	.	.	.
14.967	6.8850	11.13	.	Q	.	V	.	.	.	.
14.983	6.9005	11.22	.	Q	.	V	.	.	.	.
15.000	6.9161	11.31	.	Q	.	V	.	.	.	.
15.017	6.9318	11.40	.	Q	.	V	.	.	.	.
15.033	6.9476	11.48	.	Q	.	V	.	.	.	.
15.050	6.9635	11.55	.	Q	.	V	.	.	.	.
15.067	6.9795	11.61	.	Q	.	V	.	.	.	.
15.083	6.9956	11.68	.	Q	.	V	.	.	.	.
15.100	7.0118	11.75	.	Q	.	V	.	.	.	.
15.117	7.0280	11.81	.	Q	.	V	.	.	.	.
15.133	7.0444	11.88	.	Q	.	V	.	.	.	.
15.150	7.0608	11.94	.	Q	.	V	.	.	.	.
15.167	7.0774	12.01	.	Q	.	V	.	.	.	.
15.183	7.0940	12.08	.	Q	.	V	.	.	.	.
15.200	7.1107	12.14	.	Q	.	V	.	.	.	.
15.217	7.1276	12.21	.	Q	.	V	.	.	.	.
15.233	7.1446	12.34	.	Q	.	V	.	.	.	.
15.250	7.1618	12.50	.	Q	.	.	V	.	.	.
15.267	7.1792	12.66	.	Q	.	.	V	.	.	.
15.283	7.1969	12.82	.	Q	.	.	V	.	.	.
15.300	7.2148	12.98	.	Q	.	.	V	.	.	.
15.317	7.2329	13.14	.	Q	.	.	V	.	.	.
15.333	7.2512	13.31	.	Q	.	.	V	.	.	.
15.350	7.2697	13.47	.	Q	.	.	V	.	.	.
15.367	7.2885	13.63	.	Q	.	.	V	.	.	.
15.383	7.3075	13.79	.	Q	.	.	V	.	.	.
15.400	7.3267	13.95	.	Q	.	.	V	.	.	.
15.417	7.3461	14.09	.	Q	.	.	V	.	.	.
15.433	7.3654	14.00	.	Q	.	.	V	.	.	.
15.450	7.3845	13.86	.	Q	.	.	V	.	.	.
15.467	7.4034	13.71	.	Q	.	.	V	.	.	.
15.483	7.4221	13.57	.	Q	.	.	V	.	.	.
15.500	7.4406	13.43	.	Q	.	.	V	.	.	.
15.517	7.4589	13.29	.	Q	.	.	V	.	.	.
15.533	7.4770	13.15	.	Q	.	.	V	.	.	.
15.550	7.4949	13.01	.	Q	.	.	. V	.	.	.



15.567	7.5126	12.86	.	Q . . V . .
15.583	7.5301	12.72	.	Q . . V . .
15.600	7.5475	12.58	.	Q . . V . .
15.617	7.5648	12.55	.	Q . . V . .
15.633	7.5826	12.97	.	Q . . V . .
15.650	7.6012	13.44	.	Q . . V . .
15.667	7.6203	13.92	.	Q . . V . .
15.683	7.6401	14.39	.	Q . . V . .
15.700	7.6606	14.86	.	Q . . V . .
15.717	7.6817	15.33	.	Q . . V . .
15.733	7.7035	15.80	.	Q . . V . .
15.750	7.7259	16.28	.	Q . . V . .
15.767	7.7490	16.75	.	Q . . V . .
15.783	7.7727	17.22	.	Q . . V . .
15.800	7.7971	17.69	.	Q . . V . .
15.817	7.8221	18.20	.	Q . . V . .
15.833	7.8480	18.79	.	Q. . V . .
15.850	7.8747	19.39	.	Q. . V . .
15.867	7.9022	19.98	.	Q. . V . .
15.883	7.9306	20.57	.	Q . V . .
15.900	7.9597	21.16	.	Q . V . .
15.917	7.9897	21.76	.	Q . V . .
15.933	8.0205	22.35	.	.Q . V . .
15.950	8.0521	22.94	.	.Q . V . .
15.967	8.0845	23.53	.	.Q . V . .
15.983	8.1177	24.13	.	.Q . V . .
16.000	8.1518	24.72	.	. Q . V . .
16.017	8.1895	27.39	.	. Q . V . .
16.033	8.2338	32.15	.	. Q . V . .
16.050	8.2846	36.90	.	. Q . V . .
16.067	8.3420	41.66	.	. Q V . .
16.083	8.4059	46.42	.	. Q V . .
16.100	8.4764	51.17	.	. VQ . .
16.117	8.5534	55.93	.	. V Q . .
16.133	8.6370	60.68	.	. V Q. .
16.150	8.7272	65.44	.	. V . Q .
16.167	8.8239	70.19	.	. V . Q .
16.183	8.9271	74.95	.	. V . Q .
16.200	9.0388	81.13	.	. V . Q
16.217	9.1452	77.19	.	. V . Q .
16.233	9.2437	71.56	.	. V . Q .
16.250	9.3346	65.93	.	. V . Q .
16.267	9.4176	60.31	.	. V Q. .
16.283	9.4929	54.68	.	. QV . .
16.300	9.5605	49.05	.	. Q V . .
16.317	9.6203	43.42	.	.Q V . .
16.333	9.6723	37.79	.	Q . V . .
16.350	9.7166	32.16	.	Q . V . .
16.367	9.7532	26.53	.	Q . V . .
16.383	9.7820	20.90	.	Q . V . .
16.400	9.8036	15.71	.	Q . V . .
16.417	9.8237	14.60	.	Q . V . .
16.433	9.8437	14.47	.	Q . V . .
16.450	9.8634	14.34	.	Q . V . .
16.467	9.8830	14.21	.	Q . V. .
16.483	9.9024	14.08	.	Q . V. .
16.500	9.9216	13.96	.	Q . V. .
16.517	9.9407	13.83	.	Q . V. .
16.533	9.9595	13.70	.	Q . V. .
16.550	9.9782	13.57	.	Q . V. .
16.567	9.9968	13.45	.	Q . V. .
16.583	10.0151	13.32	.	Q . V. .
16.600	10.0332	13.18	.	Q . V. .
16.617	10.0511	12.98	.	Q . V. .
16.633	10.0687	12.79	.	Q . V. .
16.650	10.0861	12.59	.	Q . V. .
16.667	10.1032	12.39	.	Q . V. .
16.683	10.1199	12.19	.	Q . V. .
16.700	10.1365	11.99	.	Q . V. .
16.717	10.1527	11.79	.	Q . V. .
16.733	10.1687	11.60	.	Q . V. .
16.750	10.1844	11.40	.	Q . V. .

16.767	10.1998	11.20	.	Q	.	.	V.	.
16.783	10.2150	11.00	.	Q	.	.	V.	.
16.800	10.2299	10.83	.	Q	.	.	V	.
16.817	10.2446	10.72	.	Q	.	.	V	.
16.833	10.2593	10.61	.	Q	.	.	V	.
16.850	10.2737	10.49	.	Q	.	.	V	.
16.867	10.2880	10.38	.	Q	.	.	V	.
16.883	10.3022	10.27	.	Q	.	.	V	.
16.900	10.3161	10.16	.	Q	.	.	V	.
16.917	10.3300	10.05	.	Q	.	.	V	.
16.933	10.3437	9.93	.	Q	.	.	V	.
16.950	10.3572	9.82	.	Q	.	.	V	.
16.967	10.3706	9.71	.	Q	.	.	V	.
16.983	10.3838	9.60	.	Q	.	.	V	.
17.000	10.3969	9.53	.	Q	.	.	V	.
17.017	10.4100	9.51	.	Q	.	.	V	.
17.033	10.4231	9.50	.	Q	.	.	V	.
17.050	10.4362	9.48	.	Q	.	.	V	.
17.067	10.4492	9.46	.	Q	.	.	V	.
17.083	10.4622	9.44	.	Q	.	.	V	.
17.100	10.4752	9.42	.	Q	.	.	V	.
17.117	10.4881	9.40	.	Q	.	.	V	.
17.133	10.5010	9.38	.	Q	.	.	V	.
17.150	10.5139	9.37	.	Q	.	.	V	.
17.167	10.5268	9.35	.	Q	.	.	V	.
17.183	10.5397	9.33	.	Q	.	.	V	.
17.200	10.5525	9.30	.	Q	.	.	V	.
17.217	10.5652	9.26	.	Q	.	.	.V	.
17.233	10.5779	9.22	.	Q	.	.	.V	.
17.250	10.5906	9.19	.	Q	.	.	.V	.
17.267	10.6032	9.15	.	Q	.	.	.V	.
17.283	10.6157	9.11	.	Q	.	.	.V	.
17.300	10.6282	9.07	.	Q	.	.	.V	.
17.317	10.6407	9.04	.	Q	.	.	.V	.
17.333	10.6531	9.00	.	Q	.	.	.V	.
17.350	10.6654	8.96	.	Q	.	.	.V	.
17.367	10.6777	8.93	.	Q	.	.	.V	.
17.383	10.6899	8.89	.	Q	.	.	.V	.
17.400	10.7021	8.84	.	Q	.	.	.V	.
17.417	10.7142	8.80	.	Q	.	.	.V	.
17.433	10.7263	8.75	.	Q	.	.	.V	.
17.450	10.7383	8.71	.	Q	.	.	.V	.
17.467	10.7502	8.66	.	Q	.	.	.V	.
17.483	10.7621	8.62	.	Q	.	.	.V	.
17.500	10.7739	8.57	.	Q	.	.	.V	.
17.517	10.7856	8.52	.	Q	.	.	.V	.
17.533	10.7973	8.48	.	Q	.	.	.V	.
17.550	10.8089	8.43	.	Q	.	.	.V	.
17.567	10.8205	8.39	.	Q	.	.	.V	.
17.583	10.8320	8.34	.	Q	.	.	.V	.
17.600	10.8434	8.31	.	Q	.	.	.V	.
17.617	10.8548	8.27	.	Q	.	.	.V	.
17.633	10.8661	8.23	.	Q	.	.	.V	.
17.650	10.8774	8.19	.	Q	.	.	.V	.
17.667	10.8887	8.16	.	Q	.	.	.V	.
17.683	10.8999	8.12	.	Q	.	.	. V	.
17.700	10.9110	8.08	.	Q	.	.	. V	.
17.717	10.9221	8.04	.	Q	.	.	. V	.
17.733	10.9331	8.01	.	Q	.	.	. V	.
17.750	10.9441	7.97	.	Q	.	.	. V	.
17.767	10.9550	7.93	.	Q	.	.	. V	.
17.783	10.9659	7.90	.	Q	.	.	. V	.
17.800	10.9767	7.87	.	Q	.	.	. V	.
17.817	10.9875	7.83	.	Q	.	.	. V	.
17.833	10.9983	7.80	.	Q	.	.	. V	.
17.850	11.0090	7.77	.	Q	.	.	. V	.
17.867	11.0196	7.74	.	Q	.	.	. V	.
17.883	11.0302	7.71	.	Q	.	.	. V	.
17.900	11.0408	7.68	.	Q	.	.	. V	.
17.917	11.0513	7.65	.	Q	.	.	. V	.
17.933	11.0618	7.61	.	Q	.	.	. V	.
17.950	11.0723	7.58	.	Q	.	.	. V	.

17.967	11.0827	7.55	.	Q	.	.	.	V	.
17.983	11.0930	7.52	.	Q	.	.	.	V	.
18.000	11.1033	7.48	.	Q	.	.	.	V	.
18.017	11.1136	7.44	.	Q	.	.	.	V	.
18.033	11.1238	7.41	.	Q	.	.	.	V	.
18.050	11.1339	7.37	.	Q	.	.	.	V	.
18.067	11.1440	7.33	.	Q	.	.	.	V	.
18.083	11.1541	7.29	.	Q	.	.	.	V	.
18.100	11.1641	7.26	.	Q	.	.	.	V	.
18.117	11.1740	7.22	.	Q	.	.	.	V	.
18.133	11.1839	7.18	.	Q	.	.	.	V	.
18.150	11.1937	7.14	.	Q	.	.	.	V	.
18.167	11.2035	7.11	.	Q	.	.	.	V	.
18.183	11.2133	7.07	.	Q	.	.	.	V	.
18.200	11.2230	7.04	.	Q	.	.	.	V	.
18.217	11.2326	7.00	.	Q	.	.	.	V	.
18.233	11.2422	6.97	.	Q	.	.	.	V	.
18.250	11.2518	6.93	.	Q	.	.	.	V	.
18.267	11.2613	6.90	.	Q	.	.	.	V	.
18.283	11.2707	6.86	.	Q	.	.	.	V	.
18.300	11.2801	6.83	.	Q	.	.	.	V	.
18.317	11.2895	6.79	.	Q	.	.	.	V	.
18.333	11.2988	6.76	.	Q	.	.	.	V	.
18.350	11.3080	6.72	.	Q	.	.	.	V	.
18.367	11.3173	6.69	.	Q	.	.	.	V	.
18.383	11.3264	6.67	.	Q	.	.	.	V	.
18.400	11.3356	6.65	.	Q	.	.	.	V	.
18.417	11.3447	6.63	.	Q	.	.	.	V	.
18.433	11.3538	6.61	.	Q	.	.	.	V	.
18.450	11.3629	6.58	.	Q	.	.	.	V	.
18.467	11.3719	6.56	.	Q	.	.	.	V	.
18.483	11.3809	6.54	.	Q	.	.	.	V	.
18.500	11.3899	6.52	.	Q	.	.	.	V	.
18.517	11.3989	6.50	.	Q	.	.	.	V	.
18.533	11.4078	6.48	.	Q	.	.	.	V	.
18.550	11.4167	6.46	.	Q	.	.	.	V	.
18.567	11.4256	6.44	.	Q	.	.	.	V	.
18.583	11.4344	6.42	.	Q	.	.	.	V	.
18.600	11.4432	6.40	.	Q	.	.	.	V	.
18.617	11.4520	6.38	.	Q	.	.	.	V	.
18.633	11.4608	6.37	.	Q	.	.	.	V	.
18.650	11.4695	6.35	.	Q	.	.	.	V	.
18.667	11.4783	6.33	.	Q	.	.	.	V	.
18.683	11.4870	6.31	.	Q	.	.	.	V	.
18.700	11.4956	6.29	.	Q	.	.	.	V	.
18.717	11.5043	6.27	.	Q	.	.	.	V	.
18.733	11.5129	6.25	.	Q	.	.	.	V	.
18.750	11.5215	6.24	.	Q	.	.	.	V	.
18.767	11.5300	6.22	.	Q	.	.	.	V	.
18.783	11.5386	6.20	.	Q	.	.	.	V	.
18.800	11.5471	6.19	.	Q	.	.	.	V	.
18.817	11.5556	6.17	.	Q	.	.	.	V	.
18.833	11.5641	6.15	.	Q	.	.	.	V	.
18.850	11.5725	6.14	.	Q	.	.	.	V	.
18.867	11.5809	6.12	.	Q	.	.	.	V	.
18.883	11.5893	6.10	.	Q	.	.	.	V	.
18.900	11.5977	6.09	.	Q	.	.	.	V	.
18.917	11.6061	6.07	.	Q	.	.	.	V	.
18.933	11.6144	6.05	.	Q	.	.	.	V	.
18.950	11.6227	6.04	.	Q	.	.	.	V	.
18.967	11.6310	6.02	.	Q	.	.	.	V	.
18.983	11.6393	6.01	.	Q	.	.	.	V	.
19.000	11.6476	5.99	.	Q	.	.	.	V	.
19.017	11.6558	5.98	.	Q	.	.	.	V	.
19.033	11.6640	5.96	.	Q	.	.	.	V	.
19.050	11.6722	5.95	.	Q	.	.	.	V	.
19.067	11.6804	5.93	.	Q	.	.	.	V	.
19.083	11.6885	5.92	.	Q	.	.	.	V	.
19.100	11.6966	5.90	.	Q	.	.	.	V	.
19.117	11.7047	5.89	.	Q	.	.	.	V	.
19.133	11.7128	5.87	.	Q	.	.	.	V	.
19.150	11.7209	5.86	.	Q	.	.	.	V	.

19.167	11.7289	5.84	.	Q	.	.	.	V	.
19.183	11.7370	5.83	.	Q	.	.	.	V	.
19.200	11.7450	5.81	.	Q	.	.	.	V	.
19.217	11.7530	5.80	.	Q	.	.	.	V	.
19.233	11.7609	5.79	.	Q	.	.	.	V	.
19.250	11.7689	5.77	.	Q	.	.	.	V	.
19.267	11.7768	5.76	.	Q	.	.	.	V	.
19.283	11.7847	5.75	.	Q	.	.	.	V	.
19.300	11.7926	5.73	.	Q	.	.	.	V	.
19.317	11.8005	5.72	.	Q	.	.	.	V	.
19.333	11.8084	5.71	.	Q	.	.	.	V	.
19.350	11.8162	5.69	.	Q	.	.	.	V	.
19.367	11.8240	5.68	.	Q	.	.	.	V	.
19.383	11.8318	5.67	.	Q	.	.	.	V	.
19.400	11.8396	5.65	.	Q	.	.	.	V	.
19.417	11.8474	5.64	.	Q	.	.	.	V	.
19.433	11.8552	5.63	.	Q	.	.	.	V	.
19.450	11.8629	5.62	.	Q	.	.	.	V	.
19.467	11.8706	5.60	.	Q	.	.	.	V	.
19.483	11.8783	5.59	.	Q	.	.	.	V	.
19.500	11.8860	5.58	.	Q	.	.	.	V	.
19.517	11.8937	5.57	.	Q	.	.	.	V	.
19.533	11.9013	5.56	.	Q	.	.	.	V	.
19.550	11.9090	5.54	.	Q	.	.	.	V	.
19.567	11.9166	5.53	.	Q	.	.	.	V	.
19.583	11.9242	5.52	.	Q	.	.	.	V	.
19.600	11.9318	5.51	.	Q	.	.	.	V	.
19.617	11.9393	5.50	.	Q	.	.	.	V	.
19.633	11.9469	5.49	.	Q	.	.	.	V	.
19.650	11.9544	5.47	.	Q	.	.	.	V	.
19.667	11.9620	5.46	.	Q	.	.	.	V	.
19.683	11.9695	5.45	.	Q	.	.	.	V	.
19.700	11.9770	5.44	.	Q	.	.	.	V	.
19.717	11.9844	5.43	.	Q	.	.	.	V	.
19.733	11.9919	5.42	.	Q	.	.	.	V	.
19.750	11.9993	5.41	.	Q	.	.	.	V	.
19.767	12.0068	5.39	.	Q	.	.	.	V	.
19.783	12.0142	5.38	.	Q	.	.	.	V	.
19.800	12.0216	5.37	.	Q	.	.	.	V	.
19.817	12.0290	5.36	.	Q	.	.	.	V	.
19.833	12.0363	5.35	.	Q	.	.	.	V	.
19.850	12.0437	5.34	.	Q	.	.	.	V	.
19.867	12.0510	5.33	.	Q	.	.	.	V	.
19.883	12.0584	5.32	.	Q	.	.	.	V	.
19.900	12.0657	5.31	.	Q	.	.	.	V	.
19.917	12.0730	5.30	.	Q	.	.	.	V	.
19.933	12.0803	5.29	.	Q	.	.	.	V	.
19.950	12.0875	5.28	.	Q	.	.	.	V	.
19.967	12.0948	5.27	.	Q	.	.	.	V	.
19.983	12.1021	5.26	.	Q	.	.	.	V	.
20.000	12.1093	5.25	.	Q	.	.	.	V	.
20.017	12.1165	5.24	.	Q	.	.	.	V	.
20.033	12.1237	5.23	.	Q	.	.	.	V	.
20.050	12.1309	5.22	.	Q	.	.	.	V	.
20.067	12.1381	5.21	.	Q	.	.	.	V	.
20.083	12.1452	5.20	.	Q	.	.	.	V	.
20.100	12.1524	5.19	.	Q	.	.	.	V	.
20.117	12.1595	5.18	.	Q	.	.	.	V	.
20.133	12.1666	5.17	.	Q	.	.	.	V	.
20.150	12.1738	5.16	.	Q	.	.	.	V	.
20.167	12.1809	5.15	.	Q	.	.	.	V	.
20.183	12.1879	5.14	.	Q	.	.	.	V	.
20.200	12.1950	5.13	.	Q	.	.	.	V	.
20.217	12.2021	5.13	.	Q	.	.	.	V	.
20.233	12.2091	5.12	.	Q	.	.	.	V	.
20.250	12.2161	5.11	.	Q	.	.	.	V	.
20.267	12.2232	5.10	.	Q	.	.	.	V	.
20.283	12.2302	5.09	.	Q	.	.	.	V	.
20.300	12.2372	5.08	.	Q	.	.	.	V	.
20.317	12.2442	5.07	.	Q	.	.	.	V	.
20.333	12.2511	5.06	.	Q	.	.	.	V	.
20.350	12.2581	5.05	.	Q	.	.	.	V	.

| | | |

21.567	12.7374	4.52	.	Q	.	.	.	V .
21.583	12.7436	4.51	.	Q	.	.	.	V .
21.600	12.7498	4.51	.	Q	.	.	.	V .
21.617	12.7560	4.50	.	Q	.	.	.	V .
21.633	12.7622	4.50	.	Q	.	.	.	V .
21.650	12.7684	4.49	.	Q	.	.	.	V .
21.667	12.7746	4.48	.	Q	.	.	.	V .
21.683	12.7808	4.48	.	Q	.	.	.	V .
21.700	12.7869	4.47	.	Q	.	.	.	V .
21.717	12.7931	4.47	.	Q	.	.	.	V .
21.733	12.7992	4.46	.	Q	.	.	.	V .
21.750	12.8054	4.45	.	Q	.	.	.	V .
21.767	12.8115	4.45	.	Q	.	.	.	V .
21.783	12.8176	4.44	.	Q	.	.	.	V .
21.800	12.8237	4.44	.	Q	.	.	.	V .
21.817	12.8298	4.43	.	Q	.	.	.	V .
21.833	12.8359	4.43	.	Q	.	.	.	V .
21.850	12.8420	4.42	.	Q	.	.	.	V .
21.867	12.8481	4.42	.	Q	.	.	.	V .
21.883	12.8542	4.41	.	Q	.	.	.	V .
21.900	12.8602	4.40	.	Q	.	.	.	V .
21.917	12.8663	4.40	.	Q	.	.	.	V .
21.933	12.8723	4.39	.	Q	.	.	.	V .
21.950	12.8784	4.39	.	Q	.	.	.	V .
21.967	12.8844	4.38	.	Q	.	.	.	V .
21.983	12.8904	4.38	.	Q	.	.	.	V .
22.000	12.8965	4.37	.	Q	.	.	.	V .
22.017	12.9025	4.37	.	Q	.	.	.	V .
22.033	12.9085	4.36	.	Q	.	.	.	V .
22.050	12.9145	4.35	.	Q	.	.	.	V .
22.067	12.9205	4.35	.	Q	.	.	.	V .
22.083	12.9265	4.34	.	Q	.	.	.	V .
22.100	12.9324	4.34	.	Q	.	.	.	V .
22.117	12.9384	4.33	.	Q	.	.	.	V .
22.133	12.9444	4.33	.	Q	.	.	.	V .
22.150	12.9503	4.32	.	Q	.	.	.	V .
22.167	12.9563	4.32	.	Q	.	.	.	V .
22.183	12.9622	4.31	.	Q	.	.	.	V .
22.200	12.9681	4.31	.	Q	.	.	.	V .
22.217	12.9741	4.30	.	Q	.	.	.	V .
22.233	12.9800	4.30	.	Q	.	.	.	V .
22.250	12.9859	4.29	.	Q	.	.	.	V .
22.267	12.9918	4.29	.	Q	.	.	.	V .
22.283	12.9977	4.28	.	Q	.	.	.	V .
22.300	13.0036	4.28	.	Q	.	.	.	V .
22.317	13.0095	4.27	.	Q	.	.	.	V .
22.333	13.0153	4.27	.	Q	.	.	.	V .
22.350	13.0212	4.26	.	Q	.	.	.	V .
22.367	13.0271	4.26	.	Q	.	.	.	V .
22.383	13.0329	4.25	.	Q	.	.	.	V .
22.400	13.0388	4.25	.	Q	.	.	.	V .
22.417	13.0446	4.24	.	Q	.	.	.	V .
22.433	13.0504	4.24	.	Q	.	.	.	V .
22.450	13.0563	4.23	.	Q	.	.	.	V .
22.467	13.0621	4.23	.	Q	.	.	.	V .
22.483	13.0679	4.22	.	Q	.	.	.	V .
22.500	13.0737	4.22	.	Q	.	.	.	V .
22.517	13.0795	4.21	.	Q	.	.	.	V .
22.533	13.0853	4.21	.	Q	.	.	.	V .
22.550	13.0911	4.20	.	Q	.	.	.	V .
22.567	13.0969	4.20	.	Q	.	.	.	V .
22.583	13.1027	4.19	.	Q	.	.	.	V .
22.600	13.1084	4.19	.	Q	.	.	.	V .
22.617	13.1142	4.18	.	Q	.	.	.	V .
22.633	13.1200	4.18	.	Q	.	.	.	V .
22.650	13.1257	4.17	.	Q	.	.	.	V .
22.667	13.1314	4.17	.	Q	.	.	.	V .
22.683	13.1372	4.16	.	Q	.	.	.	V .
22.700	13.1429	4.16	.	Q	.	.	.	V .
22.717	13.1486	4.16	.	Q	.	.	.	V .
22.733	13.1544	4.15	.	Q	.	.	.	V .
22.750	13.1601	4.15	.	Q	.	.	.	V .

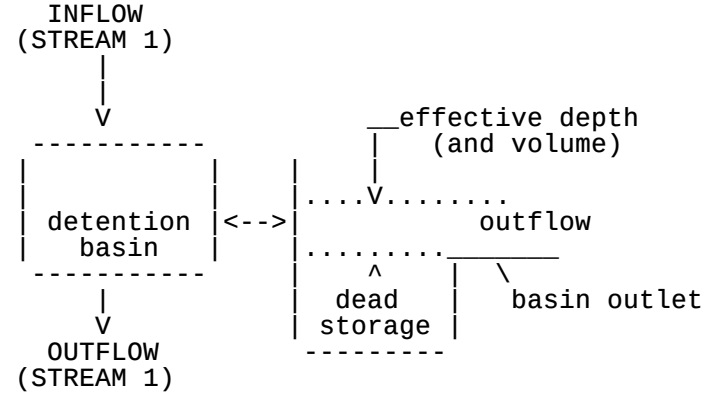
22.767	13.1658	4.14	. Q	.	.	.	V .
22.783	13.1715	4.14	. Q	.	.	.	V .
22.800	13.1772	4.13	. Q	.	.	.	V .
22.817	13.1828	4.13	. Q	.	.	.	V .
22.833	13.1885	4.12	. Q	.	.	.	V .
22.850	13.1942	4.12	. Q	.	.	.	V .
22.867	13.1999	4.11	. Q	.	.	.	V .
22.883	13.2055	4.11	. Q	.	.	.	V .
22.900	13.2112	4.11	. Q	.	.	.	V .
22.917	13.2168	4.10	. Q	.	.	.	V .
22.933	13.2225	4.10	. Q	.	.	.	V .
22.950	13.2281	4.09	. Q	.	.	.	V .
22.967	13.2337	4.09	. Q	.	.	.	V .
22.983	13.2394	4.08	. Q	.	.	.	V .
23.000	13.2450	4.08	. Q	.	.	.	V .
23.017	13.2506	4.08	. Q	.	.	.	V .
23.033	13.2562	4.07	. Q	.	.	.	V .
23.050	13.2618	4.07	. Q	.	.	.	V .
23.067	13.2674	4.06	. Q	.	.	.	V .
23.083	13.2730	4.06	. Q	.	.	.	V .
23.100	13.2786	4.05	.Q	.	.	.	V .
23.117	13.2842	4.05	.Q	.	.	.	V.
23.133	13.2897	4.05	.Q	.	.	.	V.
23.150	13.2953	4.04	.Q	.	.	.	V.
23.167	13.3009	4.04	.Q	.	.	.	V.
23.183	13.3064	4.03	.Q	.	.	.	V.
23.200	13.3120	4.03	.Q	.	.	.	V.
23.217	13.3175	4.02	.Q	.	.	.	V.
23.233	13.3230	4.02	.Q	.	.	.	V.
23.250	13.3286	4.02	.Q	.	.	.	V.
23.267	13.3341	4.01	.Q	.	.	.	V.
23.283	13.3396	4.01	.Q	.	.	.	V.
23.300	13.3451	4.00	.Q	.	.	.	V.
23.317	13.3506	4.00	.Q	.	.	.	V.
23.333	13.3561	4.00	.Q	.	.	.	V.
23.350	13.3616	3.99	.Q	.	.	.	V.
23.367	13.3671	3.99	.Q	.	.	.	V.
23.383	13.3726	3.98	.Q	.	.	.	V.
23.400	13.3781	3.98	.Q	.	.	.	V.
23.417	13.3836	3.98	.Q	.	.	.	V.
23.433	13.3890	3.97	.Q	.	.	.	V.
23.450	13.3945	3.97	.Q	.	.	.	V.
23.467	13.4000	3.96	.Q	.	.	.	V.
23.483	13.4054	3.96	.Q	.	.	.	V.
23.500	13.4109	3.96	.Q	.	.	.	V.
23.517	13.4163	3.95	.Q	.	.	.	V.
23.533	13.4218	3.95	.Q	.	.	.	V.
23.550	13.4272	3.94	.Q	.	.	.	V.
23.567	13.4326	3.94	.Q	.	.	.	V.
23.583	13.4380	3.94	.Q	.	.	.	V.
23.600	13.4434	3.93	.Q	.	.	.	V.
23.617	13.4489	3.93	.Q	.	.	.	V.
23.633	13.4543	3.92	.Q	.	.	.	V.
23.650	13.4597	3.92	.Q	.	.	.	V.
23.667	13.4651	3.92	.Q	.	.	.	V.
23.683	13.4705	3.91	.Q	.	.	.	V.
23.700	13.4758	3.91	.Q	.	.	.	V.
23.717	13.4812	3.91	.Q	.	.	.	V.
23.733	13.4866	3.90	.Q	.	.	.	V.
23.750	13.4920	3.90	.Q	.	.	.	V.
23.767	13.4973	3.89	.Q	.	.	.	V.
23.783	13.5027	3.89	.Q	.	.	.	V.
23.800	13.5080	3.89	.Q	.	.	.	V.
23.817	13.5134	3.88	.Q	.	.	.	V.
23.833	13.5187	3.88	.Q	.	.	.	V.
23.850	13.5241	3.88	.Q	.	.	.	V.
23.867	13.5294	3.87	.Q	.	.	.	V.
23.883	13.5347	3.87	.Q	.	.	.	V.
23.900	13.5401	3.86	.Q	.	.	.	V.
23.917	13.5454	3.86	.Q	.	.	.	V.
23.933	13.5507	3.86	.Q	.	.	.	V.
23.950	13.5560	3.85	.Q	.	.	.	V.

```
  23.967     13.5613      3.85  .Q        .         .         .         V.
  23.983     13.5666      3.85  .Q        .         .         .         V.
  24.000     13.5719      3.84  .Q        .         .         .         V.
  24.017     13.5772      3.84  .Q        .         .         .         V.
  24.033     13.5825      3.84  .Q        .         .         .         V.
  24.050     13.5877      3.83  .Q        .         .         .         V.
  24.067     13.5930      3.82  .Q        .         .         .         V.
  24.083     13.5980      3.60  .Q        .         .         .         V.
  24.100     13.6025      3.28  .Q        .         .         .         V.
  24.117     13.6066      2.95  .Q        .         .         .         V.
  24.133     13.6102      2.63  .Q        .         .         .         V.
  24.150     13.6133      2.30  .Q        .         .         .         V.
  24.167     13.6161      1.98  Q         .         .         .         V.
  24.183     13.6183      1.65  Q         .         .         .         V.
  24.200     13.6202      1.33  Q         .         .         .         V.
  24.217     13.6216      1.01  Q         .         .         .         V.
  24.233     13.6225      0.68  Q         .         .         .         V.
  24.250     13.6230      0.36  Q         .         .         .         V.
-------------------------------------------------------------------------------
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```

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1455.0
10%	1360.0
20%	195.0
30%	115.0
40%	90.0
50%	80.0
60%	65.0
70%	45.0
80%	35.0
90%	15.0

```
**************************************************************************
  FLOW PROCESS FROM NODE    151.00 TO NODE    151.00 IS CODE = 3.2
--------------------------------------------------------------------------
  >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
==========================================================================
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          ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
          THROUGH A FLOW-THROUGH DETENTION BASIN
          SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
            DEAD STORAGE(AF) =      0.000
            SPECIFIED DEAD STORAGE(AF) FILLED =      0.000
            SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =      0.000
            DETENTION BASIN CONSTANT LOSS RATE(CFS) =    0.00
```

BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

INTERVAL NUMBER	DEPTH (FT)	OUTFLOW (CFS)	STORAGE (AF)
1	0.00	0.00	0.000
2	0.10	45.35	0.003
3	0.20	45.61	0.022
4	0.30	45.86	0.076
5	0.40	46.10	0.178
6	0.50	46.35	0.328
7	0.60	46.60	0.522
8	0.70	46.84	0.746

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MODIFIED-PULS BASIN ROUTING MODEL RESULTS(1-MINUTE COMPUTATION INTERVALS):
(Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time; MEAN OUTFLOW is the average value during the unit interval.)

CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
0.017	0.000	0.45	0.00	0.00	0.4	0.000
0.033	0.000	1.36	0.00	0.00	1.3	0.000
0.050	0.000	2.27	0.00	0.01	2.2	0.000
0.067	0.000	3.17	0.00	0.01	3.1	0.000
0.083	0.000	3.79	0.00	0.01	3.8	0.000
0.100	0.000	3.81	0.00	0.01	3.8	0.000
0.117	0.000	3.81	0.00	0.01	3.8	0.000
0.133	0.000	3.81	0.00	0.01	3.8	0.000
0.150	0.000	3.81	0.00	0.01	3.8	0.000
0.167	0.000	3.81	0.00	0.01	3.8	0.000
0.183	0.000	3.81	0.00	0.01	3.8	0.000
0.200	0.000	3.81	0.00	0.01	3.8	0.000
0.217	0.000	3.81	0.00	0.01	3.8	0.000
0.233	0.000	3.81	0.00	0.01	3.8	0.000
0.250	0.000	3.81	0.00	0.01	3.8	0.000
0.267	0.000	3.81	0.00	0.01	3.8	0.000
0.283	0.000	3.82	0.00	0.01	3.8	0.000
0.300	0.000	3.82	0.00	0.01	3.8	0.000
0.317	0.000	3.82	0.00	0.01	3.8	0.000
0.333	0.000	3.82	0.00	0.01	3.8	0.000
0.350	0.000	3.83	0.00	0.01	3.8	0.000
0.367	0.000	3.83	0.00	0.01	3.8	0.000
0.383	0.000	3.83	0.00	0.01	3.8	0.000
0.400	0.000	3.83	0.00	0.01	3.8	0.000
0.417	0.000	3.83	0.00	0.01	3.8	0.000
0.433	0.000	3.84	0.00	0.01	3.8	0.000
0.450	0.000	3.84	0.00	0.01	3.8	0.000
0.467	0.000	3.84	0.00	0.01	3.8	0.000
0.483	0.000	3.84	0.00	0.01	3.8	0.000
0.500	0.000	3.84	0.00	0.01	3.8	0.000
0.517	0.000	3.85	0.00	0.01	3.8	0.000
0.533	0.000	3.85	0.00	0.01	3.8	0.000
0.550	0.000	3.85	0.00	0.01	3.8	0.000
0.567	0.000	3.85	0.00	0.01	3.8	0.000
0.583	0.000	3.85	0.00	0.01	3.8	0.000
0.600	0.000	3.85	0.00	0.01	3.9	0.000
0.617	0.000	3.85	0.00	0.01	3.9	0.000
0.633	0.000	3.85	0.00	0.01	3.9	0.000
0.650	0.000	3.85	0.00	0.01	3.9	0.000
0.667	0.000	3.86	0.00	0.01	3.9	0.000
0.683	0.000	3.86	0.00	0.01	3.9	0.000
0.700	0.000	3.86	0.00	0.01	3.9	0.000
0.717	0.000	3.86	0.00	0.01	3.9	0.000
0.733	0.000	3.87	0.00	0.01	3.9	0.000
0.750	0.000	3.87	0.00	0.01	3.9	0.000
0.767	0.000	3.87	0.00	0.01	3.9	0.000
0.783	0.000	3.87	0.00	0.01	3.9	0.000
0.800	0.000	3.88	0.00	0.01	3.9	0.000

0.817	0.000	3.88	0.00	0.01	3.9	0.000
0.833	0.000	3.88	0.00	0.01	3.9	0.000
0.850	0.000	3.88	0.00	0.01	3.9	0.000
0.867	0.000	3.89	0.00	0.01	3.9	0.000
0.883	0.000	3.89	0.00	0.01	3.9	0.000
0.900	0.000	3.89	0.00	0.01	3.9	0.000
0.917	0.000	3.89	0.00	0.01	3.9	0.000
0.933	0.000	3.89	0.00	0.01	3.9	0.000
0.950	0.000	3.89	0.00	0.01	3.9	0.000
0.967	0.000	3.89	0.00	0.01	3.9	0.000
0.983	0.000	3.89	0.00	0.01	3.9	0.000
1.000	0.000	3.89	0.00	0.01	3.9	0.000
1.017	0.000	3.90	0.00	0.01	3.9	0.000
1.033	0.000	3.90	0.00	0.01	3.9	0.000
1.050	0.000	3.90	0.00	0.01	3.9	0.000
1.067	0.000	3.90	0.00	0.01	3.9	0.000
1.083	0.000	3.90	0.00	0.01	3.9	0.000
1.100	0.000	3.91	0.00	0.01	3.9	0.000
1.117	0.000	3.91	0.00	0.01	3.9	0.000
1.133	0.000	3.91	0.00	0.01	3.9	0.000
1.150	0.000	3.91	0.00	0.01	3.9	0.000
1.167	0.000	3.92	0.00	0.01	3.9	0.000
1.183	0.000	3.92	0.00	0.01	3.9	0.000
1.200	0.000	3.92	0.00	0.01	3.9	0.000
1.217	0.000	3.92	0.00	0.01	3.9	0.000
1.233	0.000	3.93	0.00	0.01	3.9	0.000
1.250	0.000	3.93	0.00	0.01	3.9	0.000
1.267	0.000	3.93	0.00	0.01	3.9	0.000
1.283	0.000	3.93	0.00	0.01	3.9	0.000
1.300	0.000	3.93	0.00	0.01	3.9	0.000
1.317	0.000	3.93	0.00	0.01	3.9	0.000
1.333	0.000	3.94	0.00	0.01	3.9	0.000
1.350	0.000	3.94	0.00	0.01	3.9	0.000
1.367	0.000	3.94	0.00	0.01	3.9	0.000
1.383	0.000	3.94	0.00	0.01	3.9	0.000
1.400	0.000	3.94	0.00	0.01	3.9	0.000
1.417	0.000	3.94	0.00	0.01	3.9	0.000
1.433	0.000	3.94	0.00	0.01	3.9	0.000
1.450	0.000	3.94	0.00	0.01	3.9	0.000
1.467	0.000	3.95	0.00	0.01	3.9	0.000
1.483	0.000	3.95	0.00	0.01	3.9	0.000
1.500	0.000	3.95	0.00	0.01	4.0	0.000
1.517	0.000	3.95	0.00	0.01	4.0	0.000
1.533	0.000	3.96	0.00	0.01	4.0	0.000
1.550	0.000	3.96	0.00	0.01	4.0	0.000
1.567	0.000	3.96	0.00	0.01	4.0	0.000
1.583	0.000	3.96	0.00	0.01	4.0	0.000
1.600	0.000	3.97	0.00	0.01	4.0	0.000
1.617	0.000	3.97	0.00	0.01	4.0	0.000
1.633	0.000	3.97	0.00	0.01	4.0	0.000
1.650	0.000	3.97	0.00	0.01	4.0	0.000
1.667	0.000	3.98	0.00	0.01	4.0	0.000
1.683	0.000	3.98	0.00	0.01	4.0	0.000
1.700	0.000	3.98	0.00	0.01	4.0	0.000
1.717	0.000	3.98	0.00	0.01	4.0	0.000
1.733	0.000	3.98	0.00	0.01	4.0	0.000
1.750	0.000	3.98	0.00	0.01	4.0	0.000
1.767	0.000	3.98	0.00	0.01	4.0	0.000
1.783	0.000	3.99	0.00	0.01	4.0	0.000
1.800	0.000	3.99	0.00	0.01	4.0	0.000
1.817	0.000	3.99	0.00	0.01	4.0	0.000
1.833	0.000	3.99	0.00	0.01	4.0	0.000
1.850	0.000	3.99	0.00	0.01	4.0	0.000
1.867	0.000	3.99	0.00	0.01	4.0	0.000
1.883	0.000	4.00	0.00	0.01	4.0	0.000
1.900	0.000	4.00	0.00	0.01	4.0	0.000
1.917	0.000	4.00	0.00	0.01	4.0	0.000
1.933	0.000	4.00	0.00	0.01	4.0	0.000
1.950	0.000	4.01	0.00	0.01	4.0	0.000
1.967	0.000	4.01	0.00	0.01	4.0	0.000
1.983	0.000	4.01	0.00	0.01	4.0	0.000
2.000	0.000	4.02	0.00	0.01	4.0	0.000

2.017	0.000	4.02	0.00	0.01	4.0	0.000
2.033	0.000	4.02	0.00	0.01	4.0	0.000
2.050	0.000	4.02	0.00	0.01	4.0	0.000
2.067	0.000	4.02	0.00	0.01	4.0	0.000
2.083	0.000	4.03	0.00	0.01	4.0	0.000
2.100	0.000	4.03	0.00	0.01	4.0	0.000
2.117	0.000	4.03	0.00	0.01	4.0	0.000
2.133	0.000	4.03	0.00	0.01	4.0	0.000
2.150	0.000	4.03	0.00	0.01	4.0	0.000
2.167	0.000	4.03	0.00	0.01	4.0	0.000
2.183	0.000	4.03	0.00	0.01	4.0	0.000
2.200	0.000	4.04	0.00	0.01	4.0	0.000
2.217	0.000	4.04	0.00	0.01	4.0	0.000
2.233	0.000	4.04	0.00	0.01	4.0	0.000
2.250	0.000	4.04	0.00	0.01	4.0	0.000
2.267	0.000	4.04	0.00	0.01	4.0	0.000
2.283	0.000	4.05	0.00	0.01	4.0	0.000
2.300	0.000	4.05	0.00	0.01	4.0	0.000
2.317	0.000	4.05	0.00	0.01	4.1	0.000
2.333	0.000	4.06	0.00	0.01	4.1	0.000
2.350	0.000	4.06	0.00	0.01	4.1	0.000
2.367	0.000	4.06	0.00	0.01	4.1	0.000
2.383	0.000	4.06	0.00	0.01	4.1	0.000
2.400	0.000	4.07	0.00	0.01	4.1	0.000
2.417	0.000	4.07	0.00	0.01	4.1	0.000
2.433	0.000	4.07	0.00	0.01	4.1	0.000
2.450	0.000	4.07	0.00	0.01	4.1	0.000
2.467	0.000	4.08	0.00	0.01	4.1	0.000
2.483	0.000	4.08	0.00	0.01	4.1	0.000
2.500	0.000	4.08	0.00	0.01	4.1	0.000
2.517	0.000	4.08	0.00	0.01	4.1	0.000
2.533	0.000	4.08	0.00	0.01	4.1	0.000
2.550	0.000	4.08	0.00	0.01	4.1	0.000
2.567	0.000	4.08	0.00	0.01	4.1	0.000
2.583	0.000	4.09	0.00	0.01	4.1	0.000
2.600	0.000	4.09	0.00	0.01	4.1	0.000
2.617	0.000	4.09	0.00	0.01	4.1	0.000
2.633	0.000	4.09	0.00	0.01	4.1	0.000
2.650	0.000	4.09	0.00	0.01	4.1	0.000
2.667	0.000	4.10	0.00	0.01	4.1	0.000
2.683	0.000	4.10	0.00	0.01	4.1	0.000
2.700	0.000	4.10	0.00	0.01	4.1	0.000
2.717	0.000	4.10	0.00	0.01	4.1	0.000
2.733	0.000	4.11	0.00	0.01	4.1	0.000
2.750	0.000	4.11	0.00	0.01	4.1	0.000
2.767	0.000	4.11	0.00	0.01	4.1	0.000
2.783	0.000	4.12	0.00	0.01	4.1	0.000
2.800	0.000	4.12	0.00	0.01	4.1	0.000
2.817	0.000	4.12	0.00	0.01	4.1	0.000
2.833	0.000	4.13	0.00	0.01	4.1	0.000
2.850	0.000	4.13	0.00	0.01	4.1	0.000
2.867	0.000	4.13	0.00	0.01	4.1	0.000
2.883	0.000	4.13	0.00	0.01	4.1	0.000
2.900	0.000	4.13	0.00	0.01	4.1	0.000
2.917	0.000	4.13	0.00	0.01	4.1	0.000
2.933	0.000	4.13	0.00	0.01	4.1	0.000
2.950	0.000	4.14	0.00	0.01	4.1	0.000
2.967	0.000	4.14	0.00	0.01	4.1	0.000
2.983	0.000	4.14	0.00	0.01	4.1	0.000
3.000	0.000	4.14	0.00	0.01	4.1	0.000
3.017	0.000	4.14	0.00	0.01	4.1	0.000
3.033	0.000	4.14	0.00	0.01	4.1	0.000
3.050	0.000	4.15	0.00	0.01	4.1	0.000
3.067	0.000	4.15	0.00	0.01	4.2	0.000
3.083	0.000	4.15	0.00	0.01	4.2	0.000
3.100	0.000	4.16	0.00	0.01	4.2	0.000
3.117	0.000	4.16	0.00	0.01	4.2	0.000
3.133	0.000	4.16	0.00	0.01	4.2	0.000
3.150	0.000	4.17	0.00	0.01	4.2	0.000
3.167	0.000	4.17	0.00	0.01	4.2	0.000
3.183	0.000	4.17	0.00	0.01	4.2	0.000
3.200	0.000	4.17	0.00	0.01	4.2	0.000

3.217	0.000	4.18	0.00	0.01	4.2	0.000
3.233	0.000	4.18	0.00	0.01	4.2	0.000
3.250	0.000	4.18	0.00	0.01	4.2	0.000
3.267	0.000	4.18	0.00	0.01	4.2	0.000
3.283	0.000	4.18	0.00	0.01	4.2	0.000
3.300	0.000	4.19	0.00	0.01	4.2	0.000
3.317	0.000	4.19	0.00	0.01	4.2	0.000
3.333	0.000	4.19	0.00	0.01	4.2	0.000
3.350	0.000	4.19	0.00	0.01	4.2	0.000
3.367	0.000	4.19	0.00	0.01	4.2	0.000
3.383	0.000	4.19	0.00	0.01	4.2	0.000
3.400	0.000	4.20	0.00	0.01	4.2	0.000
3.417	0.000	4.20	0.00	0.01	4.2	0.000
3.433	0.000	4.20	0.00	0.01	4.2	0.000
3.450	0.000	4.20	0.00	0.01	4.2	0.000
3.467	0.000	4.21	0.00	0.01	4.2	0.000
3.483	0.000	4.21	0.00	0.01	4.2	0.000
3.500	0.000	4.21	0.00	0.01	4.2	0.000
3.517	0.000	4.22	0.00	0.01	4.2	0.000
3.533	0.000	4.22	0.00	0.01	4.2	0.000
3.550	0.000	4.22	0.00	0.01	4.2	0.000
3.567	0.000	4.23	0.00	0.01	4.2	0.000
3.583	0.000	4.23	0.00	0.01	4.2	0.000
3.600	0.000	4.23	0.00	0.01	4.2	0.000
3.617	0.000	4.24	0.00	0.01	4.2	0.000
3.633	0.000	4.24	0.00	0.01	4.2	0.000
3.650	0.000	4.24	0.00	0.01	4.2	0.000
3.667	0.000	4.24	0.00	0.01	4.2	0.000
3.683	0.000	4.24	0.00	0.01	4.2	0.000
3.700	0.000	4.24	0.00	0.01	4.2	0.000
3.717	0.000	4.25	0.00	0.01	4.2	0.000
3.733	0.000	4.25	0.00	0.01	4.2	0.000
3.750	0.000	4.25	0.00	0.01	4.2	0.000
3.767	0.000	4.25	0.00	0.01	4.3	0.000
3.783	0.000	4.25	0.00	0.01	4.3	0.000
3.800	0.000	4.25	0.00	0.01	4.3	0.000
3.817	0.000	4.26	0.00	0.01	4.3	0.000
3.833	0.000	4.26	0.00	0.01	4.3	0.000
3.850	0.000	4.26	0.00	0.01	4.3	0.000
3.867	0.000	4.27	0.00	0.01	4.3	0.000
3.883	0.000	4.27	0.00	0.01	4.3	0.000
3.900	0.000	4.27	0.00	0.01	4.3	0.000
3.917	0.000	4.28	0.00	0.01	4.3	0.000
3.933	0.000	4.28	0.00	0.01	4.3	0.000
3.950	0.000	4.28	0.00	0.01	4.3	0.000
3.967	0.000	4.29	0.00	0.01	4.3	0.000
3.983	0.000	4.29	0.00	0.01	4.3	0.000
4.000	0.000	4.29	0.00	0.01	4.3	0.000
4.017	0.000	4.30	0.00	0.01	4.3	0.000
4.033	0.000	4.30	0.00	0.01	4.3	0.000
4.050	0.000	4.30	0.00	0.01	4.3	0.000
4.067	0.000	4.30	0.00	0.01	4.3	0.000
4.083	0.000	4.30	0.00	0.01	4.3	0.000
4.100	0.000	4.30	0.00	0.01	4.3	0.000
4.117	0.000	4.31	0.00	0.01	4.3	0.000
4.133	0.000	4.31	0.00	0.01	4.3	0.000
4.150	0.000	4.31	0.00	0.01	4.3	0.000
4.167	0.000	4.31	0.00	0.01	4.3	0.000
4.183	0.000	4.31	0.00	0.01	4.3	0.000
4.200	0.000	4.32	0.00	0.01	4.3	0.000
4.217	0.000	4.32	0.00	0.01	4.3	0.000
4.233	0.000	4.32	0.00	0.01	4.3	0.000
4.250	0.000	4.32	0.00	0.01	4.3	0.000
4.267	0.000	4.33	0.00	0.01	4.3	0.000
4.283	0.000	4.33	0.00	0.01	4.3	0.000
4.300	0.000	4.34	0.00	0.01	4.3	0.000
4.317	0.000	4.34	0.00	0.01	4.3	0.000
4.333	0.000	4.34	0.00	0.01	4.3	0.000
4.350	0.000	4.35	0.00	0.01	4.3	0.000
4.367	0.000	4.35	0.00	0.01	4.3	0.000
4.383	0.000	4.35	0.00	0.01	4.4	0.000
4.400	0.000	4.36	0.00	0.01	4.4	0.000

4.417	0.000	4.36	0.00	0.01	4.4	0.000
4.433	0.000	4.36	0.00	0.01	4.4	0.000
4.450	0.000	4.36	0.00	0.01	4.4	0.000
4.467	0.000	4.36	0.00	0.01	4.4	0.000
4.483	0.000	4.37	0.00	0.01	4.4	0.000
4.500	0.000	4.37	0.00	0.01	4.4	0.000
4.517	0.000	4.37	0.00	0.01	4.4	0.000
4.533	0.000	4.37	0.00	0.01	4.4	0.000
4.550	0.000	4.37	0.00	0.01	4.4	0.000
4.567	0.000	4.38	0.00	0.01	4.4	0.000
4.583	0.000	4.38	0.00	0.01	4.4	0.000
4.600	0.000	4.38	0.00	0.01	4.4	0.000
4.617	0.000	4.38	0.00	0.01	4.4	0.000
4.633	0.000	4.39	0.00	0.01	4.4	0.000
4.650	0.000	4.39	0.00	0.01	4.4	0.000
4.667	0.000	4.39	0.00	0.01	4.4	0.000
4.683	0.000	4.40	0.00	0.01	4.4	0.000
4.700	0.000	4.40	0.00	0.01	4.4	0.000
4.717	0.000	4.40	0.00	0.01	4.4	0.000
4.733	0.000	4.41	0.00	0.01	4.4	0.000
4.750	0.000	4.41	0.00	0.01	4.4	0.000
4.767	0.000	4.42	0.00	0.01	4.4	0.000
4.783	0.000	4.42	0.00	0.01	4.4	0.000
4.800	0.000	4.42	0.00	0.01	4.4	0.000
4.817	0.000	4.42	0.00	0.01	4.4	0.000
4.833	0.000	4.43	0.00	0.01	4.4	0.000
4.850	0.000	4.43	0.00	0.01	4.4	0.000
4.867	0.000	4.43	0.00	0.01	4.4	0.000
4.883	0.000	4.43	0.00	0.01	4.4	0.000
4.900	0.000	4.43	0.00	0.01	4.4	0.000
4.917	0.000	4.44	0.00	0.01	4.4	0.000
4.933	0.000	4.44	0.00	0.01	4.4	0.000
4.950	0.000	4.44	0.00	0.01	4.4	0.000
4.967	0.000	4.44	0.00	0.01	4.4	0.000
4.983	0.000	4.44	0.00	0.01	4.4	0.000
5.000	0.000	4.45	0.00	0.01	4.4	0.000
5.017	0.000	4.45	0.00	0.01	4.5	0.000
5.033	0.000	4.45	0.00	0.01	4.5	0.000
5.050	0.000	4.46	0.00	0.01	4.5	0.000
5.067	0.000	4.46	0.00	0.01	4.5	0.000
5.083	0.000	4.47	0.00	0.01	4.5	0.000
5.100	0.000	4.47	0.00	0.01	4.5	0.000
5.117	0.000	4.47	0.00	0.01	4.5	0.000
5.133	0.000	4.48	0.00	0.01	4.5	0.000
5.150	0.000	4.48	0.00	0.01	4.5	0.000
5.167	0.000	4.49	0.00	0.01	4.5	0.000
5.183	0.000	4.49	0.00	0.01	4.5	0.000
5.200	0.000	4.49	0.00	0.01	4.5	0.000
5.217	0.000	4.49	0.00	0.01	4.5	0.000
5.233	0.000	4.50	0.00	0.01	4.5	0.000
5.250	0.000	4.50	0.00	0.01	4.5	0.000
5.267	0.000	4.50	0.00	0.01	4.5	0.000
5.283	0.000	4.50	0.00	0.01	4.5	0.000
5.300	0.000	4.50	0.00	0.01	4.5	0.000
5.317	0.000	4.51	0.00	0.01	4.5	0.000
5.333	0.000	4.51	0.00	0.01	4.5	0.000
5.350	0.000	4.51	0.00	0.01	4.5	0.000
5.367	0.000	4.51	0.00	0.01	4.5	0.000
5.383	0.000	4.51	0.00	0.01	4.5	0.000
5.400	0.000	4.52	0.00	0.01	4.5	0.000
5.417	0.000	4.52	0.00	0.01	4.5	0.000
5.433	0.000	4.53	0.00	0.01	4.5	0.000
5.450	0.000	4.53	0.00	0.01	4.5	0.000
5.467	0.000	4.53	0.00	0.01	4.5	0.000
5.483	0.000	4.54	0.00	0.01	4.5	0.000
5.500	0.000	4.54	0.00	0.01	4.5	0.000
5.517	0.000	4.55	0.00	0.01	4.5	0.000
5.533	0.000	4.55	0.00	0.01	4.6	0.000
5.550	0.000	4.55	0.00	0.01	4.6	0.000
5.567	0.000	4.56	0.00	0.01	4.6	0.000
5.583	0.000	4.56	0.00	0.01	4.6	0.000
5.600	0.000	4.57	0.00	0.01	4.6	0.000

5.617	0.000	4.57	0.00	0.01	4.6	0.000
5.633	0.000	4.57	0.00	0.01	4.6	0.000
5.650	0.000	4.57	0.00	0.01	4.6	0.000
5.667	0.000	4.57	0.00	0.01	4.6	0.000
5.683	0.000	4.58	0.00	0.01	4.6	0.000
5.700	0.000	4.58	0.00	0.01	4.6	0.000
5.717	0.000	4.58	0.00	0.01	4.6	0.000
5.733	0.000	4.58	0.00	0.01	4.6	0.000
5.750	0.000	4.58	0.00	0.01	4.6	0.000
5.767	0.000	4.59	0.00	0.01	4.6	0.000
5.783	0.000	4.59	0.00	0.01	4.6	0.000
5.800	0.000	4.59	0.00	0.01	4.6	0.000
5.817	0.000	4.60	0.00	0.01	4.6	0.000
5.833	0.000	4.60	0.00	0.01	4.6	0.000
5.850	0.000	4.61	0.00	0.01	4.6	0.000
5.867	0.000	4.61	0.00	0.01	4.6	0.000
5.883	0.000	4.61	0.00	0.01	4.6	0.000
5.900	0.000	4.62	0.00	0.01	4.6	0.000
5.917	0.000	4.62	0.00	0.01	4.6	0.000
5.933	0.000	4.63	0.00	0.01	4.6	0.000
5.950	0.000	4.63	0.00	0.01	4.6	0.000
5.967	0.000	4.64	0.00	0.01	4.6	0.000
5.983	0.000	4.64	0.00	0.01	4.6	0.000
6.000	0.000	4.64	0.00	0.01	4.6	0.000
6.017	0.000	4.64	0.00	0.01	4.6	0.000
6.033	0.000	4.65	0.00	0.01	4.6	0.000
6.050	0.000	4.65	0.00	0.01	4.6	0.000
6.067	0.000	4.65	0.00	0.01	4.7	0.000
6.083	0.000	4.65	0.00	0.01	4.7	0.000
6.100	0.000	4.66	0.00	0.01	4.7	0.000
6.117	0.000	4.66	0.00	0.01	4.7	0.000
6.133	0.000	4.66	0.00	0.01	4.7	0.000
6.150	0.000	4.66	0.00	0.01	4.7	0.000
6.167	0.000	4.67	0.00	0.01	4.7	0.000
6.183	0.000	4.67	0.00	0.01	4.7	0.000
6.200	0.000	4.67	0.00	0.01	4.7	0.000
6.217	0.000	4.68	0.00	0.01	4.7	0.000
6.233	0.000	4.68	0.00	0.01	4.7	0.000
6.250	0.000	4.69	0.00	0.01	4.7	0.000
6.267	0.000	4.69	0.00	0.01	4.7	0.000
6.283	0.000	4.70	0.00	0.01	4.7	0.000
6.300	0.000	4.70	0.00	0.01	4.7	0.000
6.317	0.000	4.71	0.00	0.01	4.7	0.000
6.333	0.000	4.71	0.00	0.01	4.7	0.000
6.350	0.000	4.71	0.00	0.01	4.7	0.000
6.367	0.000	4.72	0.00	0.01	4.7	0.000
6.383	0.000	4.72	0.00	0.01	4.7	0.000
6.400	0.000	4.72	0.00	0.01	4.7	0.000
6.417	0.000	4.73	0.00	0.01	4.7	0.000
6.433	0.000	4.73	0.00	0.01	4.7	0.000
6.450	0.000	4.73	0.00	0.01	4.7	0.000
6.467	0.000	4.73	0.00	0.01	4.7	0.000
6.483	0.000	4.74	0.00	0.01	4.7	0.000
6.500	0.000	4.74	0.00	0.01	4.7	0.000
6.517	0.000	4.74	0.00	0.01	4.7	0.000
6.533	0.000	4.74	0.00	0.01	4.7	0.000
6.550	0.000	4.75	0.00	0.01	4.7	0.000
6.567	0.000	4.75	0.00	0.01	4.7	0.000
6.583	0.000	4.75	0.00	0.01	4.8	0.000
6.600	0.000	4.76	0.00	0.01	4.8	0.000
6.617	0.000	4.76	0.00	0.01	4.8	0.000
6.633	0.000	4.77	0.00	0.01	4.8	0.000
6.650	0.000	4.77	0.00	0.01	4.8	0.000
6.667	0.000	4.78	0.00	0.01	4.8	0.000
6.683	0.000	4.78	0.00	0.01	4.8	0.000
6.700	0.000	4.79	0.00	0.01	4.8	0.000
6.717	0.000	4.79	0.00	0.01	4.8	0.000
6.733	0.000	4.80	0.00	0.01	4.8	0.000
6.750	0.000	4.80	0.00	0.01	4.8	0.000
6.767	0.000	4.81	0.00	0.01	4.8	0.000
6.783	0.000	4.81	0.00	0.01	4.8	0.000
6.800	0.000	4.81	0.00	0.01	4.8	0.000

6.817	0.000	4.81	0.00	0.01	4.8	0.000
6.833	0.000	4.82	0.00	0.01	4.8	0.000
6.850	0.000	4.82	0.00	0.01	4.8	0.000
6.867	0.000	4.82	0.00	0.01	4.8	0.000
6.883	0.000	4.82	0.00	0.01	4.8	0.000
6.900	0.000	4.83	0.00	0.01	4.8	0.000
6.917	0.000	4.83	0.00	0.01	4.8	0.000
6.933	0.000	4.83	0.00	0.01	4.8	0.000
6.950	0.000	4.83	0.00	0.01	4.8	0.000
6.967	0.000	4.84	0.00	0.01	4.8	0.000
6.983	0.000	4.84	0.00	0.01	4.8	0.000
7.000	0.000	4.85	0.00	0.01	4.8	0.000
7.017	0.000	4.85	0.00	0.01	4.9	0.000
7.033	0.000	4.86	0.00	0.01	4.9	0.000
7.050	0.000	4.86	0.00	0.01	4.9	0.000
7.067	0.000	4.87	0.00	0.01	4.9	0.000
7.083	0.000	4.87	0.00	0.01	4.9	0.000
7.100	0.000	4.88	0.00	0.01	4.9	0.000
7.117	0.000	4.88	0.00	0.01	4.9	0.000
7.133	0.000	4.89	0.00	0.01	4.9	0.000
7.150	0.000	4.89	0.00	0.01	4.9	0.000
7.167	0.000	4.90	0.00	0.01	4.9	0.000
7.183	0.000	4.90	0.00	0.01	4.9	0.000
7.200	0.000	4.90	0.00	0.01	4.9	0.000
7.217	0.000	4.91	0.00	0.01	4.9	0.000
7.233	0.000	4.91	0.00	0.01	4.9	0.000
7.250	0.000	4.91	0.00	0.01	4.9	0.000
7.267	0.000	4.91	0.00	0.01	4.9	0.000
7.283	0.000	4.92	0.00	0.01	4.9	0.000
7.300	0.000	4.92	0.00	0.01	4.9	0.000
7.317	0.000	4.92	0.00	0.01	4.9	0.000
7.333	0.000	4.92	0.00	0.01	4.9	0.000
7.350	0.000	4.93	0.00	0.01	4.9	0.000
7.367	0.000	4.93	0.00	0.01	4.9	0.000
7.383	0.000	4.94	0.00	0.01	4.9	0.000
7.400	0.000	4.94	0.00	0.01	4.9	0.000
7.417	0.000	4.95	0.00	0.01	4.9	0.000
7.433	0.000	4.95	0.00	0.01	5.0	0.000
7.450	0.000	4.96	0.00	0.01	5.0	0.000
7.467	0.000	4.96	0.00	0.01	5.0	0.000
7.483	0.000	4.97	0.00	0.01	5.0	0.000
7.500	0.000	4.98	0.00	0.01	5.0	0.000
7.517	0.000	4.98	0.00	0.01	5.0	0.000
7.533	0.000	4.99	0.00	0.01	5.0	0.000
7.550	0.000	4.99	0.00	0.01	5.0	0.000
7.567	0.000	5.00	0.00	0.01	5.0	0.000
7.583	0.000	5.00	0.00	0.01	5.0	0.000
7.600	0.000	5.00	0.00	0.01	5.0	0.000
7.617	0.000	5.00	0.00	0.01	5.0	0.000
7.633	0.000	5.01	0.00	0.01	5.0	0.000
7.650	0.000	5.01	0.00	0.01	5.0	0.000
7.667	0.000	5.01	0.00	0.01	5.0	0.000
7.683	0.000	5.01	0.00	0.01	5.0	0.000
7.700	0.000	5.02	0.00	0.01	5.0	0.000
7.717	0.000	5.02	0.00	0.01	5.0	0.000
7.733	0.000	5.02	0.00	0.01	5.0	0.000
7.750	0.000	5.03	0.00	0.01	5.0	0.000
7.767	0.000	5.03	0.00	0.01	5.0	0.000
7.783	0.000	5.04	0.00	0.01	5.0	0.000
7.800	0.000	5.04	0.00	0.01	5.0	0.000
7.817	0.000	5.05	0.00	0.01	5.0	0.000
7.833	0.000	5.06	0.00	0.01	5.1	0.000
7.850	0.000	5.06	0.00	0.01	5.1	0.000
7.867	0.000	5.07	0.00	0.01	5.1	0.000
7.883	0.000	5.07	0.00	0.01	5.1	0.000
7.900	0.000	5.08	0.00	0.01	5.1	0.000
7.917	0.000	5.09	0.00	0.01	5.1	0.000
7.933	0.000	5.09	0.00	0.01	5.1	0.000
7.950	0.000	5.10	0.00	0.01	5.1	0.000
7.967	0.000	5.10	0.00	0.01	5.1	0.000
7.983	0.000	5.10	0.00	0.01	5.1	0.000
8.000	0.000	5.11	0.00	0.01	5.1	0.000

8.017	0.000	5.11	0.00	0.01	5.1	0.000
8.033	0.000	5.11	0.00	0.01	5.1	0.000
8.050	0.000	5.11	0.00	0.01	5.1	0.000
8.067	0.000	5.12	0.00	0.01	5.1	0.000
8.083	0.000	5.12	0.00	0.01	5.1	0.000
8.100	0.000	5.12	0.00	0.01	5.1	0.000
8.117	0.000	5.13	0.00	0.01	5.1	0.000
8.133	0.000	5.13	0.00	0.01	5.1	0.000
8.150	0.000	5.13	0.00	0.01	5.1	0.000
8.167	0.000	5.14	0.00	0.01	5.1	0.000
8.183	0.000	5.15	0.00	0.01	5.1	0.000
8.200	0.000	5.15	0.00	0.01	5.2	0.000
8.217	0.000	5.16	0.00	0.01	5.2	0.000
8.233	0.000	5.17	0.00	0.01	5.2	0.000
8.250	0.000	5.17	0.00	0.01	5.2	0.000
8.267	0.000	5.18	0.00	0.01	5.2	0.000
8.283	0.000	5.19	0.00	0.01	5.2	0.000
8.300	0.000	5.19	0.00	0.01	5.2	0.000
8.317	0.000	5.20	0.00	0.01	5.2	0.000
8.333	0.000	5.20	0.00	0.01	5.2	0.000
8.350	0.000	5.21	0.00	0.01	5.2	0.000
8.367	0.000	5.21	0.00	0.01	5.2	0.000
8.383	0.000	5.21	0.00	0.01	5.2	0.000
8.400	0.000	5.22	0.00	0.01	5.2	0.000
8.417	0.000	5.22	0.00	0.01	5.2	0.000
8.433	0.000	5.22	0.00	0.01	5.2	0.000
8.450	0.000	5.23	0.00	0.01	5.2	0.000
8.467	0.000	5.23	0.00	0.01	5.2	0.000
8.483	0.000	5.23	0.00	0.01	5.2	0.000
8.500	0.000	5.24	0.00	0.01	5.2	0.000
8.517	0.000	5.24	0.00	0.01	5.2	0.000
8.533	0.000	5.24	0.00	0.01	5.2	0.000
8.550	0.000	5.25	0.00	0.01	5.3	0.000
8.567	0.000	5.26	0.00	0.01	5.3	0.000
8.583	0.000	5.26	0.00	0.01	5.3	0.000
8.600	0.000	5.27	0.00	0.01	5.3	0.000
8.617	0.000	5.28	0.00	0.01	5.3	0.000
8.633	0.000	5.28	0.00	0.01	5.3	0.000
8.650	0.000	5.29	0.00	0.01	5.3	0.000
8.667	0.000	5.30	0.00	0.01	5.3	0.000
8.683	0.000	5.30	0.00	0.01	5.3	0.000
8.700	0.000	5.31	0.00	0.01	5.3	0.000
8.717	0.000	5.32	0.00	0.01	5.3	0.000
8.733	0.000	5.32	0.00	0.01	5.3	0.000
8.750	0.000	5.33	0.00	0.01	5.3	0.000
8.767	0.000	5.33	0.00	0.01	5.3	0.000
8.783	0.000	5.34	0.00	0.01	5.3	0.000
8.800	0.000	5.34	0.00	0.01	5.3	0.000
8.817	0.000	5.34	0.00	0.01	5.3	0.000
8.833	0.000	5.35	0.00	0.01	5.3	0.000
8.850	0.000	5.35	0.00	0.01	5.3	0.000
8.867	0.000	5.35	0.00	0.01	5.4	0.000
8.883	0.000	5.36	0.00	0.01	5.4	0.000
8.900	0.000	5.36	0.00	0.01	5.4	0.000
8.917	0.000	5.36	0.00	0.01	5.4	0.000
8.933	0.000	5.37	0.00	0.01	5.4	0.000
8.950	0.000	5.38	0.00	0.01	5.4	0.000
8.967	0.000	5.38	0.00	0.01	5.4	0.000
8.983	0.000	5.39	0.00	0.01	5.4	0.000
9.000	0.000	5.40	0.00	0.01	5.4	0.000
9.017	0.000	5.41	0.00	0.01	5.4	0.000
9.033	0.000	5.41	0.00	0.01	5.4	0.000
9.050	0.000	5.42	0.00	0.01	5.4	0.000
9.067	0.000	5.43	0.00	0.01	5.4	0.000
9.083	0.000	5.43	0.00	0.01	5.4	0.000
9.100	0.000	5.44	0.00	0.01	5.4	0.000
9.117	0.000	5.45	0.00	0.01	5.4	0.000
9.133	0.000	5.45	0.00	0.01	5.5	0.000
9.150	0.000	5.46	0.00	0.01	5.5	0.000
9.167	0.000	5.46	0.00	0.01	5.5	0.000
9.183	0.000	5.47	0.00	0.01	5.5	0.000
9.200	0.000	5.47	0.00	0.01	5.5	0.000

9.217	0.000	5.47	0.00	0.01	5.5	0.000
9.233	0.000	5.48	0.00	0.01	5.5	0.000
9.250	0.000	5.48	0.00	0.01	5.5	0.000
9.267	0.000	5.49	0.00	0.01	5.5	0.000
9.283	0.000	5.49	0.00	0.01	5.5	0.000
9.300	0.000	5.49	0.00	0.01	5.5	0.000
9.317	0.000	5.50	0.00	0.01	5.5	0.000
9.333	0.000	5.50	0.00	0.01	5.5	0.000
9.350	0.000	5.51	0.00	0.01	5.5	0.000
9.367	0.000	5.52	0.00	0.01	5.5	0.000
9.383	0.000	5.53	0.00	0.01	5.5	0.000
9.400	0.000	5.54	0.00	0.01	5.5	0.000
9.417	0.000	5.54	0.00	0.01	5.5	0.000
9.433	0.000	5.55	0.00	0.01	5.6	0.000
9.450	0.000	5.56	0.00	0.01	5.6	0.000
9.467	0.000	5.57	0.00	0.01	5.6	0.000
9.483	0.000	5.57	0.00	0.01	5.6	0.000
9.500	0.000	5.58	0.00	0.01	5.6	0.000
9.517	0.000	5.59	0.00	0.01	5.6	0.000
9.533	0.000	5.60	0.00	0.01	5.6	0.000
9.550	0.000	5.60	0.00	0.01	5.6	0.000
9.567	0.000	5.60	0.00	0.01	5.6	0.000
9.583	0.000	5.61	0.00	0.01	5.6	0.000
9.600	0.000	5.61	0.00	0.01	5.6	0.000
9.617	0.000	5.62	0.00	0.01	5.6	0.000
9.633	0.000	5.62	0.00	0.01	5.6	0.000
9.650	0.000	5.62	0.00	0.01	5.6	0.000
9.667	0.000	5.63	0.00	0.01	5.6	0.000
9.683	0.000	5.63	0.00	0.01	5.6	0.000
9.700	0.000	5.64	0.00	0.01	5.6	0.000
9.717	0.000	5.64	0.00	0.01	5.6	0.000
9.733	0.000	5.65	0.00	0.01	5.6	0.000
9.750	0.000	5.66	0.00	0.01	5.7	0.000
9.767	0.000	5.67	0.00	0.01	5.7	0.000
9.783	0.000	5.68	0.00	0.01	5.7	0.000
9.800	0.000	5.68	0.00	0.01	5.7	0.000
9.817	0.000	5.69	0.00	0.01	5.7	0.000
9.833	0.000	5.70	0.00	0.01	5.7	0.000
9.850	0.000	5.71	0.00	0.01	5.7	0.000
9.867	0.000	5.72	0.00	0.01	5.7	0.000
9.883	0.000	5.73	0.00	0.01	5.7	0.000
9.900	0.000	5.74	0.00	0.01	5.7	0.000
9.917	0.000	5.74	0.00	0.01	5.7	0.000
9.933	0.000	5.75	0.00	0.01	5.7	0.000
9.950	0.000	5.75	0.00	0.01	5.8	0.000
9.967	0.000	5.76	0.00	0.01	5.8	0.000
9.983	0.000	5.76	0.00	0.01	5.8	0.000
10.000	0.000	5.77	0.00	0.01	5.8	0.000
10.017	0.000	5.77	0.00	0.01	5.8	0.000
10.033	0.000	5.78	0.00	0.01	5.8	0.000
10.050	0.000	5.78	0.00	0.01	5.8	0.000
10.067	0.000	5.78	0.00	0.01	5.8	0.000
10.083	0.000	5.79	0.00	0.01	5.8	0.000
10.100	0.000	5.79	0.00	0.01	5.8	0.000
10.117	0.000	5.80	0.00	0.01	5.8	0.000
10.133	0.000	5.81	0.00	0.01	5.8	0.000
10.150	0.000	5.82	0.00	0.01	5.8	0.000
10.167	0.000	5.83	0.00	0.01	5.8	0.000
10.183	0.000	5.84	0.00	0.01	5.8	0.000
10.200	0.000	5.85	0.00	0.01	5.8	0.000
10.217	0.000	5.86	0.00	0.01	5.9	0.000
10.233	0.000	5.87	0.00	0.01	5.9	0.000
10.250	0.000	5.88	0.00	0.01	5.9	0.000
10.267	0.000	5.89	0.00	0.01	5.9	0.000
10.283	0.000	5.90	0.00	0.01	5.9	0.000
10.300	0.000	5.91	0.00	0.01	5.9	0.000
10.317	0.000	5.91	0.00	0.01	5.9	0.000
10.333	0.000	5.92	0.00	0.01	5.9	0.000
10.350	0.000	5.92	0.00	0.01	5.9	0.000
10.367	0.000	5.93	0.00	0.01	5.9	0.000
10.383	0.000	5.93	0.00	0.01	5.9	0.000
10.400	0.000	5.94	0.00	0.01	5.9	0.000

10.417	0.000	5.94	0.00	0.01	5.9	0.000
10.433	0.000	5.95	0.00	0.01	5.9	0.000
10.450	0.000	5.95	0.00	0.01	6.0	0.000
10.467	0.000	5.96	0.00	0.01	6.0	0.000
10.483	0.000	5.96	0.00	0.01	6.0	0.000
10.500	0.000	5.97	0.00	0.01	6.0	0.000
10.517	0.000	5.98	0.00	0.01	6.0	0.000
10.533	0.000	5.99	0.00	0.01	6.0	0.000
10.550	0.000	6.00	0.00	0.01	6.0	0.000
10.567	0.000	6.01	0.00	0.01	6.0	0.000
10.583	0.000	6.02	0.00	0.01	6.0	0.000
10.600	0.000	6.03	0.00	0.01	6.0	0.000
10.617	0.000	6.04	0.00	0.01	6.0	0.000
10.633	0.000	6.05	0.00	0.01	6.0	0.000
10.650	0.000	6.06	0.00	0.01	6.1	0.000
10.667	0.000	6.07	0.00	0.01	6.1	0.000
10.683	0.000	6.08	0.00	0.01	6.1	0.000
10.700	0.000	6.09	0.00	0.01	6.1	0.000
10.717	0.000	6.10	0.00	0.01	6.1	0.000
10.733	0.000	6.10	0.00	0.01	6.1	0.000
10.750	0.000	6.11	0.00	0.01	6.1	0.000
10.767	0.000	6.11	0.00	0.01	6.1	0.000
10.783	0.000	6.12	0.00	0.01	6.1	0.000
10.800	0.000	6.12	0.00	0.01	6.1	0.000
10.817	0.000	6.13	0.00	0.01	6.1	0.000
10.833	0.000	6.14	0.00	0.01	6.1	0.000
10.850	0.000	6.14	0.00	0.01	6.1	0.000
10.867	0.000	6.15	0.00	0.01	6.1	0.000
10.883	0.000	6.15	0.00	0.01	6.2	0.000
10.900	0.000	6.16	0.00	0.01	6.2	0.000
10.917	0.000	6.17	0.00	0.01	6.2	0.000
10.933	0.000	6.18	0.00	0.01	6.2	0.000
10.950	0.000	6.19	0.00	0.01	6.2	0.000
10.967	0.000	6.21	0.00	0.01	6.2	0.000
10.983	0.000	6.22	0.00	0.01	6.2	0.000
11.000	0.000	6.23	0.00	0.01	6.2	0.000
11.017	0.000	6.24	0.00	0.01	6.2	0.000
11.033	0.000	6.25	0.00	0.01	6.3	0.000
11.050	0.000	6.26	0.00	0.01	6.3	0.000
11.067	0.000	6.28	0.00	0.01	6.3	0.000
11.083	0.000	6.29	0.00	0.01	6.3	0.000
11.100	0.000	6.30	0.00	0.01	6.3	0.000
11.117	0.000	6.30	0.00	0.01	6.3	0.000
11.133	0.000	6.31	0.00	0.01	6.3	0.000
11.150	0.000	6.31	0.00	0.01	6.3	0.000
11.167	0.000	6.32	0.00	0.01	6.3	0.000
11.183	0.000	6.33	0.00	0.01	6.3	0.000
11.200	0.000	6.33	0.00	0.01	6.3	0.000
11.217	0.000	6.34	0.00	0.01	6.3	0.000
11.233	0.000	6.35	0.00	0.01	6.3	0.000
11.250	0.000	6.35	0.00	0.01	6.4	0.000
11.267	0.000	6.36	0.00	0.01	6.4	0.000
11.283	0.000	6.36	0.00	0.01	6.4	0.000
11.300	0.000	6.37	0.00	0.01	6.4	0.000
11.317	0.000	6.39	0.00	0.01	6.4	0.000
11.333	0.000	6.40	0.00	0.01	6.4	0.000
11.350	0.000	6.41	0.00	0.01	6.4	0.000
11.367	0.000	6.43	0.00	0.01	6.4	0.000
11.383	0.000	6.44	0.00	0.01	6.4	0.000
11.400	0.000	6.45	0.00	0.01	6.5	0.000
11.417	0.000	6.47	0.00	0.01	6.5	0.000
11.433	0.000	6.48	0.00	0.01	6.5	0.000
11.450	0.000	6.49	0.00	0.01	6.5	0.000
11.467	0.000	6.51	0.00	0.01	6.5	0.000
11.483	0.000	6.52	0.00	0.01	6.5	0.000
11.500	0.000	6.53	0.00	0.01	6.5	0.000
11.517	0.000	6.53	0.00	0.01	6.5	0.000
11.533	0.000	6.54	0.00	0.01	6.5	0.000
11.550	0.000	6.55	0.00	0.01	6.5	0.000
11.567	0.000	6.55	0.00	0.01	6.6	0.000
11.583	0.000	6.56	0.00	0.01	6.6	0.000
11.600	0.000	6.57	0.00	0.01	6.6	0.000

11.617	0.000	6.57	0.00	0.01	6.6	0.000
11.633	0.000	6.58	0.00	0.01	6.6	0.000
11.650	0.000	6.59	0.00	0.01	6.6	0.000
11.667	0.000	6.59	0.00	0.01	6.6	0.000
11.683	0.000	6.60	0.00	0.01	6.6	0.000
11.700	0.000	6.62	0.00	0.01	6.6	0.000
11.717	0.000	6.63	0.00	0.01	6.6	0.000
11.733	0.000	6.65	0.00	0.01	6.6	0.000
11.750	0.000	6.66	0.00	0.01	6.7	0.000
11.767	0.000	6.68	0.00	0.01	6.7	0.000
11.783	0.000	6.69	0.00	0.01	6.7	0.000
11.800	0.000	6.71	0.00	0.01	6.7	0.000
11.817	0.000	6.72	0.00	0.01	6.7	0.000
11.833	0.000	6.74	0.00	0.01	6.7	0.000
11.850	0.000	6.75	0.00	0.01	6.7	0.000
11.867	0.000	6.76	0.00	0.01	6.8	0.000
11.883	0.000	6.78	0.00	0.01	6.8	0.000
11.900	0.000	6.79	0.00	0.01	6.8	0.000
11.917	0.000	6.79	0.00	0.01	6.8	0.000
11.933	0.000	6.80	0.00	0.02	6.8	0.000
11.950	0.000	6.81	0.00	0.02	6.8	0.000
11.967	0.000	6.82	0.00	0.02	6.8	0.000
11.983	0.000	6.82	0.00	0.02	6.8	0.000
12.000	0.000	6.83	0.00	0.02	6.8	0.000
12.017	0.000	6.84	0.00	0.02	6.8	0.000
12.033	0.000	6.85	0.00	0.02	6.8	0.000
12.050	0.000	6.86	0.00	0.02	6.9	0.000
12.067	0.000	6.86	0.00	0.02	6.9	0.000
12.083	0.000	6.89	0.00	0.02	6.9	0.000
12.100	0.000	6.93	0.00	0.02	6.9	0.000
12.117	0.000	6.96	0.00	0.02	7.0	0.000
12.133	0.000	7.00	0.00	0.02	7.0	0.000
12.150	0.000	7.04	0.00	0.02	7.0	0.000
12.167	0.000	7.08	0.00	0.02	7.1	0.000
12.183	0.000	7.12	0.00	0.02	7.1	0.000
12.200	0.000	7.16	0.00	0.02	7.2	0.000
12.217	0.000	7.19	0.00	0.02	7.2	0.000
12.233	0.000	7.23	0.00	0.02	7.2	0.000
12.250	0.000	7.27	0.00	0.02	7.3	0.000
12.267	0.000	7.31	0.00	0.02	7.3	0.000
12.283	0.000	7.33	0.00	0.02	7.3	0.000
12.300	0.000	7.34	0.00	0.02	7.3	0.000
12.317	0.000	7.34	0.00	0.02	7.3	0.000
12.333	0.000	7.35	0.00	0.02	7.4	0.000
12.350	0.000	7.36	0.00	0.02	7.4	0.000
12.367	0.000	7.37	0.00	0.02	7.4	0.000
12.383	0.000	7.38	0.00	0.02	7.4	0.000
12.400	0.000	7.39	0.00	0.02	7.4	0.000
12.417	0.000	7.40	0.00	0.02	7.4	0.000
12.433	0.000	7.41	0.00	0.02	7.4	0.000
12.450	0.000	7.42	0.00	0.02	7.4	0.000
12.467	0.000	7.43	0.00	0.02	7.4	0.000
12.483	0.000	7.44	0.00	0.02	7.4	0.000
12.500	0.000	7.46	0.00	0.02	7.5	0.000
12.517	0.000	7.48	0.00	0.02	7.5	0.000
12.533	0.000	7.50	0.00	0.02	7.5	0.000
12.550	0.000	7.52	0.00	0.02	7.5	0.000
12.567	0.000	7.54	0.00	0.02	7.5	0.000
12.583	0.000	7.56	0.00	0.02	7.6	0.001
12.600	0.000	7.58	0.00	0.02	7.6	0.001
12.617	0.000	7.60	0.00	0.02	7.6	0.001
12.633	0.000	7.62	0.00	0.02	7.6	0.001
12.650	0.000	7.64	0.00	0.02	7.6	0.001
12.667	0.000	7.65	0.00	0.02	7.7	0.001
12.683	0.000	7.66	0.00	0.02	7.7	0.001
12.700	0.000	7.68	0.00	0.02	7.7	0.001
12.717	0.000	7.69	0.00	0.02	7.7	0.001
12.733	0.000	7.70	0.00	0.02	7.7	0.001
12.750	0.000	7.71	0.00	0.02	7.7	0.001
12.767	0.000	7.72	0.00	0.02	7.7	0.001
12.783	0.000	7.73	0.00	0.02	7.7	0.001
12.800	0.000	7.74	0.00	0.02	7.7	0.001

12.817	0.000	7.75	0.00	0.02	7.7	0.001
12.833	0.000	7.76	0.00	0.02	7.8	0.001
12.850	0.000	7.77	0.00	0.02	7.8	0.001
12.867	0.000	7.78	0.00	0.02	7.8	0.001
12.883	0.000	7.81	0.00	0.02	7.8	0.001
12.900	0.000	7.83	0.00	0.02	7.8	0.001
12.917	0.000	7.85	0.00	0.02	7.9	0.001
12.933	0.000	7.87	0.00	0.02	7.9	0.001
12.950	0.000	7.90	0.00	0.02	7.9	0.001
12.967	0.000	7.92	0.00	0.02	7.9	0.001
12.983	0.000	7.94	0.00	0.02	7.9	0.001
13.000	0.000	7.96	0.00	0.02	8.0	0.001
13.017	0.000	7.99	0.00	0.02	8.0	0.001
13.033	0.000	8.01	0.00	0.02	8.0	0.001
13.050	0.000	8.03	0.00	0.02	8.0	0.001
13.067	0.000	8.05	0.00	0.02	8.1	0.001
13.083	0.000	8.06	0.00	0.02	8.1	0.001
13.100	0.000	8.08	0.00	0.02	8.1	0.001
13.117	0.000	8.09	0.00	0.02	8.1	0.001
13.133	0.000	8.10	0.00	0.02	8.1	0.001
13.150	0.000	8.11	0.00	0.02	8.1	0.001
13.167	0.000	8.13	0.00	0.02	8.1	0.001
13.183	0.000	8.14	0.00	0.02	8.1	0.001
13.200	0.000	8.15	0.00	0.02	8.1	0.001
13.217	0.000	8.16	0.00	0.02	8.2	0.001
13.233	0.000	8.17	0.00	0.02	8.2	0.001
13.250	0.000	8.19	0.00	0.02	8.2	0.001
13.267	0.000	8.21	0.00	0.02	8.2	0.001
13.283	0.000	8.24	0.00	0.02	8.2	0.001
13.300	0.000	8.26	0.00	0.02	8.3	0.001
13.317	0.000	8.29	0.00	0.02	8.3	0.001
13.333	0.000	8.32	0.00	0.02	8.3	0.001
13.350	0.000	8.35	0.00	0.02	8.3	0.001
13.367	0.000	8.37	0.00	0.02	8.4	0.001
13.383	0.000	8.40	0.00	0.02	8.4	0.001
13.400	0.000	8.43	0.00	0.02	8.4	0.001
13.417	0.000	8.46	0.00	0.02	8.5	0.001
13.433	0.000	8.48	0.00	0.02	8.5	0.001
13.450	0.000	8.51	0.00	0.02	8.5	0.001
13.467	0.000	8.53	0.00	0.02	8.5	0.001
13.483	0.000	8.54	0.00	0.02	8.5	0.001
13.500	0.000	8.56	0.00	0.02	8.6	0.001
13.517	0.000	8.57	0.00	0.02	8.6	0.001
13.533	0.000	8.59	0.00	0.02	8.6	0.001
13.550	0.000	8.60	0.00	0.02	8.6	0.001
13.567	0.000	8.62	0.00	0.02	8.6	0.001
13.583	0.000	8.63	0.00	0.02	8.6	0.001
13.600	0.000	8.65	0.00	0.02	8.6	0.001
13.617	0.000	8.66	0.00	0.02	8.7	0.001
13.633	0.000	8.68	0.00	0.02	8.7	0.001
13.650	0.000	8.70	0.00	0.02	8.7	0.001
13.667	0.000	8.73	0.00	0.02	8.7	0.001
13.683	0.000	8.76	0.00	0.02	8.8	0.001
13.700	0.000	8.80	0.00	0.02	8.8	0.001
13.717	0.000	8.83	0.00	0.02	8.8	0.001
13.733	0.000	8.87	0.00	0.02	8.9	0.001
13.750	0.000	8.90	0.00	0.02	8.9	0.001
13.767	0.000	8.93	0.00	0.02	8.9	0.001
13.783	0.000	8.97	0.00	0.02	9.0	0.001
13.800	0.000	9.00	0.00	0.02	9.0	0.001
13.817	0.000	9.03	0.00	0.02	9.0	0.001
13.833	0.000	9.07	0.00	0.02	9.1	0.001
13.850	0.000	9.10	0.00	0.02	9.1	0.001
13.867	0.000	9.12	0.00	0.02	9.1	0.001
13.883	0.000	9.14	0.00	0.02	9.1	0.001
13.900	0.000	9.15	0.00	0.02	9.2	0.001
13.917	0.000	9.17	0.00	0.02	9.2	0.001
13.933	0.000	9.19	0.00	0.02	9.2	0.001
13.950	0.000	9.21	0.00	0.02	9.2	0.001
13.967	0.000	9.23	0.00	0.02	9.2	0.001
13.983	0.000	9.25	0.00	0.02	9.2	0.001
14.000	0.000	9.27	0.00	0.02	9.3	0.001

14.017	0.000	9.29	0.00	0.02	9.3	0.001
14.033	0.000	9.31	0.00	0.02	9.3	0.001
14.050	0.000	9.30	0.00	0.02	9.3	0.001
14.067	0.000	9.26	0.00	0.02	9.3	0.001
14.083	0.000	9.23	0.00	0.02	9.2	0.001
14.100	0.000	9.19	0.00	0.02	9.2	0.001
14.117	0.000	9.16	0.00	0.02	9.2	0.001
14.133	0.000	9.12	0.00	0.02	9.1	0.001
14.150	0.000	9.08	0.00	0.02	9.1	0.001
14.167	0.000	9.05	0.00	0.02	9.1	0.001
14.183	0.000	9.01	0.00	0.02	9.0	0.001
14.200	0.000	8.98	0.00	0.02	9.0	0.001
14.217	0.000	8.94	0.00	0.02	8.9	0.001
14.233	0.000	8.91	0.00	0.02	8.9	0.001
14.250	0.000	8.91	0.00	0.02	8.9	0.001
14.267	0.000	8.94	0.00	0.02	8.9	0.001
14.283	0.000	8.97	0.00	0.02	9.0	0.001
14.300	0.000	8.99	0.00	0.02	9.0	0.001
14.317	0.000	9.02	0.00	0.02	9.0	0.001
14.333	0.000	9.04	0.00	0.02	9.0	0.001
14.350	0.000	9.07	0.00	0.02	9.1	0.001
14.367	0.000	9.09	0.00	0.02	9.1	0.001
14.383	0.000	9.12	0.00	0.02	9.1	0.001
14.400	0.000	9.15	0.00	0.02	9.1	0.001
14.417	0.000	9.17	0.00	0.02	9.2	0.001
14.433	0.000	9.20	0.00	0.02	9.2	0.001
14.450	0.000	9.26	0.00	0.02	9.3	0.001
14.467	0.000	9.32	0.00	0.02	9.3	0.001
14.483	0.000	9.38	0.00	0.02	9.4	0.001
14.500	0.000	9.44	0.00	0.02	9.4	0.001
14.517	0.000	9.50	0.00	0.02	9.5	0.001
14.533	0.000	9.56	0.00	0.02	9.6	0.001
14.550	0.000	9.62	0.00	0.02	9.6	0.001
14.567	0.000	9.69	0.00	0.02	9.7	0.001
14.583	0.000	9.75	0.00	0.02	9.7	0.001
14.600	0.000	9.81	0.00	0.02	9.8	0.001
14.617	0.000	9.87	0.00	0.02	9.9	0.001
14.633	0.000	9.93	0.00	0.02	9.9	0.001
14.650	0.000	9.97	0.00	0.02	10.0	0.001
14.667	0.000	10.00	0.00	0.02	10.0	0.001
14.683	0.000	10.04	0.00	0.02	10.0	0.001
14.700	0.000	10.08	0.00	0.02	10.1	0.001
14.717	0.000	10.11	0.00	0.02	10.1	0.001
14.733	0.000	10.15	0.00	0.02	10.1	0.001
14.750	0.000	10.19	0.00	0.02	10.2	0.001
14.767	0.000	10.22	0.00	0.02	10.2	0.001
14.783	0.000	10.26	0.00	0.02	10.3	0.001
14.800	0.000	10.30	0.00	0.02	10.3	0.001
14.817	0.000	10.34	0.00	0.02	10.3	0.001
14.833	0.000	10.39	0.00	0.02	10.4	0.001
14.850	0.000	10.48	0.00	0.02	10.5	0.001
14.867	0.000	10.57	0.00	0.02	10.6	0.001
14.883	0.000	10.67	0.00	0.02	10.7	0.001
14.900	0.000	10.76	0.00	0.02	10.8	0.001
14.917	0.000	10.85	0.00	0.02	10.8	0.001
14.933	0.000	10.94	0.00	0.02	10.9	0.001
14.950	0.000	11.03	0.00	0.02	11.0	0.001
14.967	0.000	11.13	0.00	0.02	11.1	0.001
14.983	0.000	11.22	0.00	0.02	11.2	0.001
15.000	0.000	11.31	0.00	0.03	11.3	0.001
15.017	0.000	11.40	0.00	0.03	11.4	0.001
15.033	0.000	11.48	0.00	0.03	11.5	0.001
15.050	0.000	11.55	0.00	0.03	11.5	0.001
15.067	0.000	11.61	0.00	0.03	11.6	0.001
15.083	0.000	11.68	0.00	0.03	11.7	0.001
15.100	0.000	11.75	0.00	0.03	11.7	0.001
15.117	0.000	11.81	0.00	0.03	11.8	0.001
15.133	0.000	11.88	0.00	0.03	11.9	0.001
15.150	0.000	11.94	0.00	0.03	11.9	0.001
15.167	0.000	12.01	0.00	0.03	12.0	0.001
15.183	0.000	12.08	0.00	0.03	12.1	0.001
15.200	0.000	12.14	0.00	0.03	12.1	0.001

15.217	0.000	12.21	0.00	0.03	12.2	0.001
15.233	0.000	12.34	0.00	0.03	12.3	0.001
15.250	0.000	12.50	0.00	0.03	12.5	0.001
15.267	0.000	12.66	0.00	0.03	12.7	0.001
15.283	0.000	12.82	0.00	0.03	12.8	0.001
15.300	0.000	12.98	0.00	0.03	13.0	0.001
15.317	0.000	13.14	0.00	0.03	13.1	0.001
15.333	0.000	13.31	0.00	0.03	13.3	0.001
15.350	0.000	13.47	0.00	0.03	13.5	0.001
15.367	0.000	13.63	0.00	0.03	13.6	0.001
15.383	0.000	13.79	0.00	0.03	13.8	0.001
15.400	0.000	13.95	0.00	0.03	13.9	0.001
15.417	0.000	14.09	0.00	0.03	14.1	0.001
15.433	0.000	14.00	0.00	0.03	14.0	0.001
15.450	0.000	13.86	0.00	0.03	13.9	0.001
15.467	0.000	13.71	0.00	0.03	13.7	0.001
15.483	0.000	13.57	0.00	0.03	13.6	0.001
15.500	0.000	13.43	0.00	0.03	13.4	0.001
15.517	0.000	13.29	0.00	0.03	13.3	0.001
15.533	0.000	13.15	0.00	0.03	13.2	0.001
15.550	0.000	13.01	0.00	0.03	13.0	0.001
15.567	0.000	12.86	0.00	0.03	12.9	0.001
15.583	0.000	12.72	0.00	0.03	12.7	0.001
15.600	0.000	12.58	0.00	0.03	12.6	0.001
15.617	0.000	12.55	0.00	0.03	12.5	0.001
15.633	0.000	12.97	0.00	0.03	12.9	0.001
15.650	0.000	13.44	0.00	0.03	13.4	0.001
15.667	0.000	13.92	0.00	0.03	13.9	0.001
15.683	0.000	14.39	0.00	0.03	14.4	0.001
15.700	0.000	14.86	0.00	0.03	14.8	0.001
15.717	0.000	15.33	0.00	0.03	15.3	0.001
15.733	0.000	15.80	0.00	0.04	15.8	0.001
15.750	0.000	16.28	0.00	0.04	16.3	0.001
15.767	0.000	16.75	0.00	0.04	16.7	0.001
15.783	0.000	17.22	0.00	0.04	17.2	0.001
15.800	0.000	17.69	0.00	0.04	17.7	0.001
15.817	0.000	18.20	0.00	0.04	18.2	0.001
15.833	0.000	18.79	0.00	0.04	18.8	0.001
15.850	0.000	19.39	0.00	0.04	19.4	0.001
15.867	0.000	19.98	0.00	0.04	19.9	0.001
15.883	0.000	20.57	0.00	0.05	20.5	0.001
15.900	0.000	21.16	0.00	0.05	21.1	0.001
15.917	0.000	21.76	0.00	0.05	21.7	0.001
15.933	0.000	22.35	0.00	0.05	22.3	0.001
15.950	0.000	22.94	0.00	0.05	22.9	0.002
15.967	0.000	23.53	0.00	0.05	23.5	0.002
15.983	0.000	24.13	0.00	0.05	24.1	0.002
16.000	0.000	24.72	0.00	0.06	24.7	0.002
16.017	0.000	27.39	0.00	0.06	27.2	0.002
16.033	0.000	32.15	0.00	0.08	31.9	0.002
16.050	0.000	36.90	0.00	0.09	36.7	0.003
16.067	0.000	41.66	0.00	0.10	41.4	0.003
16.083	0.000	46.42	0.00	0.11	44.6	0.005
16.100	0.000	51.17	0.00	0.15	45.4	0.013
16.117	0.000	55.93	0.00	0.21	45.6	0.028
16.133	0.000	60.68	0.00	0.25	45.7	0.048
16.150	0.000	65.44	0.00	0.30	45.8	0.075
16.167	0.000	70.19	0.00	0.33	45.9	0.109
16.183	0.000	74.95	0.00	0.37	46.0	0.149
16.200	0.000	81.13	0.00	0.41	46.1	0.197
16.217	0.000	77.19	0.00	0.44	46.2	0.240
16.233	0.000	71.56	0.00	0.46	46.2	0.275
16.250	0.000	65.93	0.00	0.48	46.3	0.302
16.267	0.000	60.31	0.00	0.50	46.3	0.321
16.283	0.000	54.68	0.00	0.50	46.3	0.332
16.300	0.000	49.05	0.00	0.50	46.4	0.336
16.317	0.000	43.42	0.00	0.50	46.4	0.332
16.333	0.000	37.79	0.00	0.49	46.3	0.320
16.350	0.000	32.16	0.00	0.48	46.3	0.301
16.367	0.000	26.53	0.00	0.46	46.3	0.273
16.383	0.000	20.90	0.00	0.44	46.2	0.239
16.400	0.000	15.71	0.00	0.41	46.2	0.197

16.417	0.000	14.60	0.00	0.38	46.1	0.153
16.433	0.000	14.47	0.00	0.33	46.0	0.110
16.450	0.000	14.34	0.00	0.28	45.9	0.066
16.467	0.000	14.21	0.00	0.20	45.7	0.023
16.483	0.000	14.08	0.00	0.03	30.1	0.001
16.500	0.000	13.96	0.00	0.03	14.0	0.001
16.517	0.000	13.83	0.00	0.03	13.8	0.001
16.533	0.000	13.70	0.00	0.03	13.7	0.001
16.550	0.000	13.57	0.00	0.03	13.6	0.001
16.567	0.000	13.45	0.00	0.03	13.5	0.001
16.583	0.000	13.32	0.00	0.03	13.3	0.001
16.600	0.000	13.18	0.00	0.03	13.2	0.001
16.617	0.000	12.98	0.00	0.03	13.0	0.001
16.633	0.000	12.79	0.00	0.03	12.8	0.001
16.650	0.000	12.59	0.00	0.03	12.6	0.001
16.667	0.000	12.39	0.00	0.03	12.4	0.001
16.683	0.000	12.19	0.00	0.03	12.2	0.001
16.700	0.000	11.99	0.00	0.03	12.0	0.001
16.717	0.000	11.79	0.00	0.03	11.8	0.001
16.733	0.000	11.60	0.00	0.03	11.6	0.001
16.750	0.000	11.40	0.00	0.02	11.4	0.001
16.767	0.000	11.20	0.00	0.02	11.2	0.001
16.783	0.000	11.00	0.00	0.02	11.0	0.001
16.800	0.000	10.83	0.00	0.02	10.8	0.001
16.817	0.000	10.72	0.00	0.02	10.7	0.001
16.833	0.000	10.61	0.00	0.02	10.6	0.001
16.850	0.000	10.49	0.00	0.02	10.5	0.001
16.867	0.000	10.38	0.00	0.02	10.4	0.001
16.883	0.000	10.27	0.00	0.02	10.3	0.001
16.900	0.000	10.16	0.00	0.02	10.2	0.001
16.917	0.000	10.05	0.00	0.02	10.1	0.001
16.933	0.000	9.93	0.00	0.02	9.9	0.001
16.950	0.000	9.82	0.00	0.02	9.8	0.001
16.967	0.000	9.71	0.00	0.02	9.7	0.001
16.983	0.000	9.60	0.00	0.02	9.6	0.001
17.000	0.000	9.53	0.00	0.02	9.5	0.001
17.017	0.000	9.51	0.00	0.02	9.5	0.001
17.033	0.000	9.50	0.00	0.02	9.5	0.001
17.050	0.000	9.48	0.00	0.02	9.5	0.001
17.067	0.000	9.46	0.00	0.02	9.5	0.001
17.083	0.000	9.44	0.00	0.02	9.4	0.001
17.100	0.000	9.42	0.00	0.02	9.4	0.001
17.117	0.000	9.40	0.00	0.02	9.4	0.001
17.133	0.000	9.38	0.00	0.02	9.4	0.001
17.150	0.000	9.37	0.00	0.02	9.4	0.001
17.167	0.000	9.35	0.00	0.02	9.3	0.001
17.183	0.000	9.33	0.00	0.02	9.3	0.001
17.200	0.000	9.30	0.00	0.02	9.3	0.001
17.217	0.000	9.26	0.00	0.02	9.3	0.001
17.233	0.000	9.22	0.00	0.02	9.2	0.001
17.250	0.000	9.19	0.00	0.02	9.2	0.001
17.267	0.000	9.15	0.00	0.02	9.2	0.001
17.283	0.000	9.11	0.00	0.02	9.1	0.001
17.300	0.000	9.07	0.00	0.02	9.1	0.001
17.317	0.000	9.04	0.00	0.02	9.0	0.001
17.333	0.000	9.00	0.00	0.02	9.0	0.001
17.350	0.000	8.96	0.00	0.02	9.0	0.001
17.367	0.000	8.93	0.00	0.02	8.9	0.001
17.383	0.000	8.89	0.00	0.02	8.9	0.001
17.400	0.000	8.84	0.00	0.02	8.8	0.001
17.417	0.000	8.80	0.00	0.02	8.8	0.001
17.433	0.000	8.75	0.00	0.02	8.8	0.001
17.450	0.000	8.71	0.00	0.02	8.7	0.001
17.467	0.000	8.66	0.00	0.02	8.7	0.001
17.483	0.000	8.62	0.00	0.02	8.6	0.001
17.500	0.000	8.57	0.00	0.02	8.6	0.001
17.517	0.000	8.52	0.00	0.02	8.5	0.001
17.533	0.000	8.48	0.00	0.02	8.5	0.001
17.550	0.000	8.43	0.00	0.02	8.4	0.001
17.567	0.000	8.39	0.00	0.02	8.4	0.001
17.583	0.000	8.34	0.00	0.02	8.3	0.001
17.600	0.000	8.31	0.00	0.02	8.3	0.001

17.617	0.000	8.27	0.00	0.02	8.3	0.001
17.633	0.000	8.23	0.00	0.02	8.2	0.001
17.650	0.000	8.19	0.00	0.02	8.2	0.001
17.667	0.000	8.16	0.00	0.02	8.2	0.001
17.683	0.000	8.12	0.00	0.02	8.1	0.001
17.700	0.000	8.08	0.00	0.02	8.1	0.001
17.717	0.000	8.04	0.00	0.02	8.0	0.001
17.733	0.000	8.01	0.00	0.02	8.0	0.001
17.750	0.000	7.97	0.00	0.02	8.0	0.001
17.767	0.000	7.93	0.00	0.02	7.9	0.001
17.783	0.000	7.90	0.00	0.02	7.9	0.001
17.800	0.000	7.87	0.00	0.02	7.9	0.001
17.817	0.000	7.83	0.00	0.02	7.8	0.001
17.833	0.000	7.80	0.00	0.02	7.8	0.001
17.850	0.000	7.77	0.00	0.02	7.8	0.001
17.867	0.000	7.74	0.00	0.02	7.7	0.001
17.883	0.000	7.71	0.00	0.02	7.7	0.001
17.900	0.000	7.68	0.00	0.02	7.7	0.001
17.917	0.000	7.65	0.00	0.02	7.6	0.001
17.933	0.000	7.61	0.00	0.02	7.6	0.001
17.950	0.000	7.58	0.00	0.02	7.6	0.001
17.967	0.000	7.55	0.00	0.02	7.6	0.000
17.983	0.000	7.52	0.00	0.02	7.5	0.000
18.000	0.000	7.48	0.00	0.02	7.5	0.000
18.017	0.000	7.44	0.00	0.02	7.4	0.000
18.033	0.000	7.41	0.00	0.02	7.4	0.000
18.050	0.000	7.37	0.00	0.02	7.4	0.000
18.067	0.000	7.33	0.00	0.02	7.3	0.000
18.083	0.000	7.29	0.00	0.02	7.3	0.000
18.100	0.000	7.26	0.00	0.02	7.3	0.000
18.117	0.000	7.22	0.00	0.02	7.2	0.000
18.133	0.000	7.18	0.00	0.02	7.2	0.000
18.150	0.000	7.14	0.00	0.02	7.1	0.000
18.167	0.000	7.11	0.00	0.02	7.1	0.000
18.183	0.000	7.07	0.00	0.02	7.1	0.000
18.200	0.000	7.04	0.00	0.02	7.0	0.000
18.217	0.000	7.00	0.00	0.02	7.0	0.000
18.233	0.000	6.97	0.00	0.02	7.0	0.000
18.250	0.000	6.93	0.00	0.02	6.9	0.000
18.267	0.000	6.90	0.00	0.02	6.9	0.000
18.283	0.000	6.86	0.00	0.02	6.9	0.000
18.300	0.000	6.83	0.00	0.02	6.8	0.000
18.317	0.000	6.79	0.00	0.01	6.8	0.000
18.333	0.000	6.76	0.00	0.01	6.8	0.000
18.350	0.000	6.72	0.00	0.01	6.7	0.000
18.367	0.000	6.69	0.00	0.01	6.7	0.000
18.383	0.000	6.67	0.00	0.01	6.7	0.000
18.400	0.000	6.65	0.00	0.01	6.6	0.000
18.417	0.000	6.63	0.00	0.01	6.6	0.000
18.433	0.000	6.61	0.00	0.01	6.6	0.000
18.450	0.000	6.58	0.00	0.01	6.6	0.000
18.467	0.000	6.56	0.00	0.01	6.6	0.000
18.483	0.000	6.54	0.00	0.01	6.5	0.000
18.500	0.000	6.52	0.00	0.01	6.5	0.000
18.517	0.000	6.50	0.00	0.01	6.5	0.000
18.533	0.000	6.48	0.00	0.01	6.5	0.000
18.550	0.000	6.46	0.00	0.01	6.5	0.000
18.567	0.000	6.44	0.00	0.01	6.4	0.000
18.583	0.000	6.42	0.00	0.01	6.4	0.000
18.600	0.000	6.40	0.00	0.01	6.4	0.000
18.617	0.000	6.38	0.00	0.01	6.4	0.000
18.633	0.000	6.37	0.00	0.01	6.4	0.000
18.650	0.000	6.35	0.00	0.01	6.3	0.000
18.667	0.000	6.33	0.00	0.01	6.3	0.000
18.683	0.000	6.31	0.00	0.01	6.3	0.000
18.700	0.000	6.29	0.00	0.01	6.3	0.000
18.717	0.000	6.27	0.00	0.01	6.3	0.000
18.733	0.000	6.25	0.00	0.01	6.3	0.000
18.750	0.000	6.24	0.00	0.01	6.2	0.000
18.767	0.000	6.22	0.00	0.01	6.2	0.000
18.783	0.000	6.20	0.00	0.01	6.2	0.000
18.800	0.000	6.19	0.00	0.01	6.2	0.000

18.817	0.000	6.17	0.00	0.01	6.2	0.000
18.833	0.000	6.15	0.00	0.01	6.2	0.000
18.850	0.000	6.14	0.00	0.01	6.1	0.000
18.867	0.000	6.12	0.00	0.01	6.1	0.000
18.883	0.000	6.10	0.00	0.01	6.1	0.000
18.900	0.000	6.09	0.00	0.01	6.1	0.000
18.917	0.000	6.07	0.00	0.01	6.1	0.000
18.933	0.000	6.05	0.00	0.01	6.1	0.000
18.950	0.000	6.04	0.00	0.01	6.0	0.000
18.967	0.000	6.02	0.00	0.01	6.0	0.000
18.983	0.000	6.01	0.00	0.01	6.0	0.000
19.000	0.000	5.99	0.00	0.01	6.0	0.000
19.017	0.000	5.98	0.00	0.01	6.0	0.000
19.033	0.000	5.96	0.00	0.01	6.0	0.000
19.050	0.000	5.95	0.00	0.01	5.9	0.000
19.067	0.000	5.93	0.00	0.01	5.9	0.000
19.083	0.000	5.92	0.00	0.01	5.9	0.000
19.100	0.000	5.90	0.00	0.01	5.9	0.000
19.117	0.000	5.89	0.00	0.01	5.9	0.000
19.133	0.000	5.87	0.00	0.01	5.9	0.000
19.150	0.000	5.86	0.00	0.01	5.9	0.000
19.167	0.000	5.84	0.00	0.01	5.8	0.000
19.183	0.000	5.83	0.00	0.01	5.8	0.000
19.200	0.000	5.81	0.00	0.01	5.8	0.000
19.217	0.000	5.80	0.00	0.01	5.8	0.000
19.233	0.000	5.79	0.00	0.01	5.8	0.000
19.250	0.000	5.77	0.00	0.01	5.8	0.000
19.267	0.000	5.76	0.00	0.01	5.8	0.000
19.283	0.000	5.75	0.00	0.01	5.7	0.000
19.300	0.000	5.73	0.00	0.01	5.7	0.000
19.317	0.000	5.72	0.00	0.01	5.7	0.000
19.333	0.000	5.71	0.00	0.01	5.7	0.000
19.350	0.000	5.69	0.00	0.01	5.7	0.000
19.367	0.000	5.68	0.00	0.01	5.7	0.000
19.383	0.000	5.67	0.00	0.01	5.7	0.000
19.400	0.000	5.65	0.00	0.01	5.7	0.000
19.417	0.000	5.64	0.00	0.01	5.6	0.000
19.433	0.000	5.63	0.00	0.01	5.6	0.000
19.450	0.000	5.62	0.00	0.01	5.6	0.000
19.467	0.000	5.60	0.00	0.01	5.6	0.000
19.483	0.000	5.59	0.00	0.01	5.6	0.000
19.500	0.000	5.58	0.00	0.01	5.6	0.000
19.517	0.000	5.57	0.00	0.01	5.6	0.000
19.533	0.000	5.56	0.00	0.01	5.6	0.000
19.550	0.000	5.54	0.00	0.01	5.5	0.000
19.567	0.000	5.53	0.00	0.01	5.5	0.000
19.583	0.000	5.52	0.00	0.01	5.5	0.000
19.600	0.000	5.51	0.00	0.01	5.5	0.000
19.617	0.000	5.50	0.00	0.01	5.5	0.000
19.633	0.000	5.49	0.00	0.01	5.5	0.000
19.650	0.000	5.47	0.00	0.01	5.5	0.000
19.667	0.000	5.46	0.00	0.01	5.5	0.000
19.683	0.000	5.45	0.00	0.01	5.5	0.000
19.700	0.000	5.44	0.00	0.01	5.4	0.000
19.717	0.000	5.43	0.00	0.01	5.4	0.000
19.733	0.000	5.42	0.00	0.01	5.4	0.000
19.750	0.000	5.41	0.00	0.01	5.4	0.000
19.767	0.000	5.39	0.00	0.01	5.4	0.000
19.783	0.000	5.38	0.00	0.01	5.4	0.000
19.800	0.000	5.37	0.00	0.01	5.4	0.000
19.817	0.000	5.36	0.00	0.01	5.4	0.000
19.833	0.000	5.35	0.00	0.01	5.4	0.000
19.850	0.000	5.34	0.00	0.01	5.3	0.000
19.867	0.000	5.33	0.00	0.01	5.3	0.000
19.883	0.000	5.32	0.00	0.01	5.3	0.000
19.900	0.000	5.31	0.00	0.01	5.3	0.000
19.917	0.000	5.30	0.00	0.01	5.3	0.000
19.933	0.000	5.29	0.00	0.01	5.3	0.000
19.950	0.000	5.28	0.00	0.01	5.3	0.000
19.967	0.000	5.27	0.00	0.01	5.3	0.000
19.983	0.000	5.26	0.00	0.01	5.3	0.000
20.000	0.000	5.25	0.00	0.01	5.3	0.000

20.017	0.000	5.24	0.00	0.01	5.2	0.000
20.033	0.000	5.23	0.00	0.01	5.2	0.000
20.050	0.000	5.22	0.00	0.01	5.2	0.000
20.067	0.000	5.21	0.00	0.01	5.2	0.000
20.083	0.000	5.20	0.00	0.01	5.2	0.000
20.100	0.000	5.19	0.00	0.01	5.2	0.000
20.117	0.000	5.18	0.00	0.01	5.2	0.000
20.133	0.000	5.17	0.00	0.01	5.2	0.000
20.150	0.000	5.16	0.00	0.01	5.2	0.000
20.167	0.000	5.15	0.00	0.01	5.2	0.000
20.183	0.000	5.14	0.00	0.01	5.1	0.000
20.200	0.000	5.13	0.00	0.01	5.1	0.000
20.217	0.000	5.13	0.00	0.01	5.1	0.000
20.233	0.000	5.12	0.00	0.01	5.1	0.000
20.250	0.000	5.11	0.00	0.01	5.1	0.000
20.267	0.000	5.10	0.00	0.01	5.1	0.000
20.283	0.000	5.09	0.00	0.01	5.1	0.000
20.300	0.000	5.08	0.00	0.01	5.1	0.000
20.317	0.000	5.07	0.00	0.01	5.1	0.000
20.333	0.000	5.06	0.00	0.01	5.1	0.000
20.350	0.000	5.05	0.00	0.01	5.1	0.000
20.367	0.000	5.04	0.00	0.01	5.0	0.000
20.383	0.000	5.04	0.00	0.01	5.0	0.000
20.400	0.000	5.03	0.00	0.01	5.0	0.000
20.417	0.000	5.02	0.00	0.01	5.0	0.000
20.433	0.000	5.01	0.00	0.01	5.0	0.000
20.450	0.000	5.00	0.00	0.01	5.0	0.000
20.467	0.000	4.99	0.00	0.01	5.0	0.000
20.483	0.000	4.98	0.00	0.01	5.0	0.000
20.500	0.000	4.98	0.00	0.01	5.0	0.000
20.517	0.000	4.97	0.00	0.01	5.0	0.000
20.533	0.000	4.96	0.00	0.01	5.0	0.000
20.550	0.000	4.95	0.00	0.01	5.0	0.000
20.567	0.000	4.94	0.00	0.01	4.9	0.000
20.583	0.000	4.93	0.00	0.01	4.9	0.000
20.600	0.000	4.93	0.00	0.01	4.9	0.000
20.617	0.000	4.92	0.00	0.01	4.9	0.000
20.633	0.000	4.91	0.00	0.01	4.9	0.000
20.650	0.000	4.90	0.00	0.01	4.9	0.000
20.667	0.000	4.89	0.00	0.01	4.9	0.000
20.683	0.000	4.89	0.00	0.01	4.9	0.000
20.700	0.000	4.88	0.00	0.01	4.9	0.000
20.717	0.000	4.87	0.00	0.01	4.9	0.000
20.733	0.000	4.86	0.00	0.01	4.9	0.000
20.750	0.000	4.86	0.00	0.01	4.9	0.000
20.767	0.000	4.85	0.00	0.01	4.8	0.000
20.783	0.000	4.84	0.00	0.01	4.8	0.000
20.800	0.000	4.83	0.00	0.01	4.8	0.000
20.817	0.000	4.83	0.00	0.01	4.8	0.000
20.833	0.000	4.82	0.00	0.01	4.8	0.000
20.850	0.000	4.81	0.00	0.01	4.8	0.000
20.867	0.000	4.80	0.00	0.01	4.8	0.000
20.883	0.000	4.80	0.00	0.01	4.8	0.000
20.900	0.000	4.79	0.00	0.01	4.8	0.000
20.917	0.000	4.78	0.00	0.01	4.8	0.000
20.933	0.000	4.77	0.00	0.01	4.8	0.000
20.950	0.000	4.77	0.00	0.01	4.8	0.000
20.967	0.000	4.76	0.00	0.01	4.8	0.000
20.983	0.000	4.75	0.00	0.01	4.8	0.000
21.000	0.000	4.74	0.00	0.01	4.7	0.000
21.017	0.000	4.74	0.00	0.01	4.7	0.000
21.033	0.000	4.73	0.00	0.01	4.7	0.000
21.050	0.000	4.72	0.00	0.01	4.7	0.000
21.067	0.000	4.72	0.00	0.01	4.7	0.000
21.083	0.000	4.71	0.00	0.01	4.7	0.000
21.100	0.000	4.70	0.00	0.01	4.7	0.000
21.117	0.000	4.69	0.00	0.01	4.7	0.000
21.133	0.000	4.69	0.00	0.01	4.7	0.000
21.150	0.000	4.68	0.00	0.01	4.7	0.000
21.167	0.000	4.67	0.00	0.01	4.7	0.000
21.183	0.000	4.67	0.00	0.01	4.7	0.000
21.200	0.000	4.66	0.00	0.01	4.7	0.000

21.217	0.000	4.65	0.00	0.01	4.7	0.000
21.233	0.000	4.65	0.00	0.01	4.6	0.000
21.250	0.000	4.64	0.00	0.01	4.6	0.000
21.267	0.000	4.63	0.00	0.01	4.6	0.000
21.283	0.000	4.63	0.00	0.01	4.6	0.000
21.300	0.000	4.62	0.00	0.01	4.6	0.000
21.317	0.000	4.61	0.00	0.01	4.6	0.000
21.333	0.000	4.61	0.00	0.01	4.6	0.000
21.350	0.000	4.60	0.00	0.01	4.6	0.000
21.367	0.000	4.60	0.00	0.01	4.6	0.000
21.383	0.000	4.59	0.00	0.01	4.6	0.000
21.400	0.000	4.58	0.00	0.01	4.6	0.000
21.417	0.000	4.58	0.00	0.01	4.6	0.000
21.433	0.000	4.57	0.00	0.01	4.6	0.000
21.450	0.000	4.56	0.00	0.01	4.6	0.000
21.467	0.000	4.56	0.00	0.01	4.6	0.000
21.483	0.000	4.55	0.00	0.01	4.6	0.000
21.500	0.000	4.54	0.00	0.01	4.5	0.000
21.517	0.000	4.54	0.00	0.01	4.5	0.000
21.533	0.000	4.53	0.00	0.01	4.5	0.000
21.550	0.000	4.53	0.00	0.01	4.5	0.000
21.567	0.000	4.52	0.00	0.01	4.5	0.000
21.583	0.000	4.51	0.00	0.01	4.5	0.000
21.600	0.000	4.51	0.00	0.01	4.5	0.000
21.617	0.000	4.50	0.00	0.01	4.5	0.000
21.633	0.000	4.50	0.00	0.01	4.5	0.000
21.650	0.000	4.49	0.00	0.01	4.5	0.000
21.667	0.000	4.48	0.00	0.01	4.5	0.000
21.683	0.000	4.48	0.00	0.01	4.5	0.000
21.700	0.000	4.47	0.00	0.01	4.5	0.000
21.717	0.000	4.47	0.00	0.01	4.5	0.000
21.733	0.000	4.46	0.00	0.01	4.5	0.000
21.750	0.000	4.45	0.00	0.01	4.5	0.000
21.767	0.000	4.45	0.00	0.01	4.4	0.000
21.783	0.000	4.44	0.00	0.01	4.4	0.000
21.800	0.000	4.44	0.00	0.01	4.4	0.000
21.817	0.000	4.43	0.00	0.01	4.4	0.000
21.833	0.000	4.43	0.00	0.01	4.4	0.000
21.850	0.000	4.42	0.00	0.01	4.4	0.000
21.867	0.000	4.42	0.00	0.01	4.4	0.000
21.883	0.000	4.41	0.00	0.01	4.4	0.000
21.900	0.000	4.40	0.00	0.01	4.4	0.000
21.917	0.000	4.40	0.00	0.01	4.4	0.000
21.933	0.000	4.39	0.00	0.01	4.4	0.000
21.950	0.000	4.39	0.00	0.01	4.4	0.000
21.967	0.000	4.38	0.00	0.01	4.4	0.000
21.983	0.000	4.38	0.00	0.01	4.4	0.000
22.000	0.000	4.37	0.00	0.01	4.4	0.000
22.017	0.000	4.37	0.00	0.01	4.4	0.000
22.033	0.000	4.36	0.00	0.01	4.4	0.000
22.050	0.000	4.35	0.00	0.01	4.4	0.000
22.067	0.000	4.35	0.00	0.01	4.3	0.000
22.083	0.000	4.34	0.00	0.01	4.3	0.000
22.100	0.000	4.34	0.00	0.01	4.3	0.000
22.117	0.000	4.33	0.00	0.01	4.3	0.000
22.133	0.000	4.33	0.00	0.01	4.3	0.000
22.150	0.000	4.32	0.00	0.01	4.3	0.000
22.167	0.000	4.32	0.00	0.01	4.3	0.000
22.183	0.000	4.31	0.00	0.01	4.3	0.000
22.200	0.000	4.31	0.00	0.01	4.3	0.000
22.216	0.000	4.30	0.00	0.01	4.3	0.000
22.233	0.000	4.30	0.00	0.01	4.3	0.000
22.250	0.000	4.29	0.00	0.01	4.3	0.000
22.266	0.000	4.29	0.00	0.01	4.3	0.000
22.283	0.000	4.28	0.00	0.01	4.3	0.000
22.300	0.000	4.28	0.00	0.01	4.3	0.000
22.316	0.000	4.27	0.00	0.01	4.3	0.000
22.333	0.000	4.27	0.00	0.01	4.3	0.000
22.350	0.000	4.26	0.00	0.01	4.3	0.000
22.366	0.000	4.26	0.00	0.01	4.3	0.000
22.383	0.000	4.25	0.00	0.01	4.3	0.000
22.400	0.000	4.25	0.00	0.01	4.2	0.000

22.416	0.000	4.24	0.00	0.01	4.2	0.000
22.433	0.000	4.24	0.00	0.01	4.2	0.000
22.450	0.000	4.23	0.00	0.01	4.2	0.000
22.466	0.000	4.23	0.00	0.01	4.2	0.000
22.483	0.000	4.22	0.00	0.01	4.2	0.000
22.500	0.000	4.22	0.00	0.01	4.2	0.000
22.516	0.000	4.21	0.00	0.01	4.2	0.000
22.533	0.000	4.21	0.00	0.01	4.2	0.000
22.550	0.000	4.20	0.00	0.01	4.2	0.000
22.566	0.000	4.20	0.00	0.01	4.2	0.000
22.583	0.000	4.19	0.00	0.01	4.2	0.000
22.600	0.000	4.19	0.00	0.01	4.2	0.000
22.616	0.000	4.18	0.00	0.01	4.2	0.000
22.633	0.000	4.18	0.00	0.01	4.2	0.000
22.650	0.000	4.17	0.00	0.01	4.2	0.000
22.666	0.000	4.17	0.00	0.01	4.2	0.000
22.683	0.000	4.16	0.00	0.01	4.2	0.000
22.700	0.000	4.16	0.00	0.01	4.2	0.000
22.716	0.000	4.16	0.00	0.01	4.2	0.000
22.733	0.000	4.15	0.00	0.01	4.2	0.000
22.750	0.000	4.15	0.00	0.01	4.1	0.000
22.766	0.000	4.14	0.00	0.01	4.1	0.000
22.783	0.000	4.14	0.00	0.01	4.1	0.000
22.800	0.000	4.13	0.00	0.01	4.1	0.000
22.816	0.000	4.13	0.00	0.01	4.1	0.000
22.833	0.000	4.12	0.00	0.01	4.1	0.000
22.850	0.000	4.12	0.00	0.01	4.1	0.000
22.866	0.000	4.11	0.00	0.01	4.1	0.000
22.883	0.000	4.11	0.00	0.01	4.1	0.000
22.900	0.000	4.11	0.00	0.01	4.1	0.000
22.916	0.000	4.10	0.00	0.01	4.1	0.000
22.933	0.000	4.10	0.00	0.01	4.1	0.000
22.950	0.000	4.09	0.00	0.01	4.1	0.000
22.966	0.000	4.09	0.00	0.01	4.1	0.000
22.983	0.000	4.08	0.00	0.01	4.1	0.000
23.000	0.000	4.08	0.00	0.01	4.1	0.000
23.016	0.000	4.08	0.00	0.01	4.1	0.000
23.033	0.000	4.07	0.00	0.01	4.1	0.000
23.050	0.000	4.07	0.00	0.01	4.1	0.000
23.066	0.000	4.06	0.00	0.01	4.1	0.000
23.083	0.000	4.06	0.00	0.01	4.1	0.000
23.100	0.000	4.05	0.00	0.01	4.1	0.000
23.116	0.000	4.05	0.00	0.01	4.0	0.000
23.133	0.000	4.05	0.00	0.01	4.0	0.000
23.150	0.000	4.04	0.00	0.01	4.0	0.000
23.166	0.000	4.04	0.00	0.01	4.0	0.000
23.183	0.000	4.03	0.00	0.01	4.0	0.000
23.200	0.000	4.03	0.00	0.01	4.0	0.000
23.216	0.000	4.02	0.00	0.01	4.0	0.000
23.233	0.000	4.02	0.00	0.01	4.0	0.000
23.250	0.000	4.02	0.00	0.01	4.0	0.000
23.266	0.000	4.01	0.00	0.01	4.0	0.000
23.283	0.000	4.01	0.00	0.01	4.0	0.000
23.300	0.000	4.00	0.00	0.01	4.0	0.000
23.316	0.000	4.00	0.00	0.01	4.0	0.000
23.333	0.000	4.00	0.00	0.01	4.0	0.000
23.350	0.000	3.99	0.00	0.01	4.0	0.000
23.366	0.000	3.99	0.00	0.01	4.0	0.000
23.383	0.000	3.98	0.00	0.01	4.0	0.000
23.400	0.000	3.98	0.00	0.01	4.0	0.000
23.416	0.000	3.98	0.00	0.01	4.0	0.000
23.433	0.000	3.97	0.00	0.01	4.0	0.000
23.450	0.000	3.97	0.00	0.01	4.0	0.000
23.466	0.000	3.96	0.00	0.01	4.0	0.000
23.483	0.000	3.96	0.00	0.01	4.0	0.000
23.500	0.000	3.96	0.00	0.01	4.0	0.000
23.516	0.000	3.95	0.00	0.01	4.0	0.000
23.533	0.000	3.95	0.00	0.01	3.9	0.000
23.550	0.000	3.94	0.00	0.01	3.9	0.000
23.566	0.000	3.94	0.00	0.01	3.9	0.000
23.583	0.000	3.94	0.00	0.01	3.9	0.000
23.600	0.000	3.93	0.00	0.01	3.9	0.000

23.616	0.000	3.93	0.00	0.01	3.9	0.000
23.633	0.000	3.92	0.00	0.01	3.9	0.000
23.650	0.000	3.92	0.00	0.01	3.9	0.000
23.666	0.000	3.92	0.00	0.01	3.9	0.000
23.683	0.000	3.91	0.00	0.01	3.9	0.000
23.700	0.000	3.91	0.00	0.01	3.9	0.000
23.716	0.000	3.91	0.00	0.01	3.9	0.000
23.733	0.000	3.90	0.00	0.01	3.9	0.000
23.750	0.000	3.90	0.00	0.01	3.9	0.000
23.766	0.000	3.89	0.00	0.01	3.9	0.000
23.783	0.000	3.89	0.00	0.01	3.9	0.000
23.800	0.000	3.89	0.00	0.01	3.9	0.000
23.816	0.000	3.88	0.00	0.01	3.9	0.000
23.833	0.000	3.88	0.00	0.01	3.9	0.000
23.850	0.000	3.88	0.00	0.01	3.9	0.000
23.866	0.000	3.87	0.00	0.01	3.9	0.000
23.883	0.000	3.87	0.00	0.01	3.9	0.000
23.900	0.000	3.86	0.00	0.01	3.9	0.000
23.916	0.000	3.86	0.00	0.01	3.9	0.000
23.933	0.000	3.86	0.00	0.01	3.9	0.000
23.950	0.000	3.85	0.00	0.01	3.9	0.000
23.966	0.000	3.85	0.00	0.01	3.9	0.000
23.983	0.000	3.85	0.00	0.01	3.8	0.000
24.000	0.000	3.84	0.00	0.01	3.8	0.000
24.016	0.000	3.84	0.00	0.01	3.8	0.000
24.033	0.000	3.84	0.00	0.01	3.8	0.000
24.050	0.000	3.83	0.00	0.01	3.8	0.000
24.066	0.000	3.82	0.00	0.01	3.8	0.000
24.083	0.000	3.60	0.00	0.01	3.6	0.000
24.100	0.000	3.28	0.00	0.01	3.3	0.000
24.116	0.000	2.95	0.00	0.01	3.0	0.000
24.133	0.000	2.63	0.00	0.01	2.6	0.000
24.150	0.000	2.30	0.00	0.00	2.3	0.000
24.166	0.000	1.98	0.00	0.00	2.0	0.000
24.183	0.000	1.65	0.00	0.00	1.7	0.000
24.200	0.000	1.33	0.00	0.00	1.3	0.000
24.216	0.000	1.01	0.00	0.00	1.0	0.000
24.233	0.000	0.68	0.00	0.00	0.7	0.000
24.250	0.000	0.36	0.00	0.00	0.4	0.000
24.266	0.000	0.00	0.00	0.00	0.1	0.000
24.283	0.000	0.00	0.00	0.00	0.0	0.000
24.300	0.000	0.00	0.00	0.00	0.0	0.000
24.316	0.000	0.00	0.00	0.00	0.0	0.000
24.333	0.000	0.00	0.00	0.00	0.0	0.000
24.350	0.000	0.00	0.00	0.00	0.0	0.000
24.366	0.000	0.00	0.00	0.00	0.0	0.000
24.383	0.000	0.00	0.00	0.00	0.0	0.000
24.400	0.000	0.00	0.00	0.00	0.0	0.000
24.416	0.000	0.00	0.00	0.00	0.0	0.000
24.433	0.000	0.00	0.00	0.00	0.0	0.000
24.450	0.000	0.00	0.00	0.00	0.0	0.000
24.466	0.000	0.00	0.00	0.00	0.0	0.000
24.483	0.000	0.00	0.00	0.00	0.0	0.000
24.500	0.000	0.00	0.00	0.00	0.0	0.000
24.516	0.000	0.00	0.00	0.00	0.0	0.000
24.533	0.000	0.00	0.00	0.00	0.0	0.000
24.550	0.000	0.00	0.00	0.00	0.0	0.000
24.566	0.000	0.00	0.00	0.00	0.0	0.000
24.583	0.000	0.00	0.00	0.00	0.0	0.000
24.600	0.000	0.00	0.00	0.00	0.0	0.000
24.616	0.000	0.00	0.00	0.00	0.0	0.000
24.633	0.000	0.00	0.00	0.00	0.0	0.000
24.650	0.000	0.00	0.00	0.00	0.0	0.000
24.666	0.000	0.00	0.00	0.00	0.0	0.000
24.683	0.000	0.00	0.00	0.00	0.0	0.000
24.700	0.000	0.00	0.00	0.00	0.0	0.000
24.716	0.000	0.00	0.00	0.00	0.0	0.000
24.733	0.000	0.00	0.00	0.00	0.0	0.000
24.750	0.000	0.00	0.00	0.00	0.0	0.000
24.766	0.000	0.00	0.00	0.00	0.0	0.000
24.783	0.000	0.00	0.00	0.00	0.0	0.000
24.800	0.000	0.00	0.00	0.00	0.0	0.000

24.816	0.000	0.00	0.00	0.00	0.0	0.000
24.833	0.000	0.00	0.00	0.00	0.0	0.000
24.850	0.000	0.00	0.00	0.00	0.0	0.000
24.866	0.000	0.00	0.00	0.00	0.0	0.000
24.883	0.000	0.00	0.00	0.00	0.0	0.000
24.900	0.000	0.00	0.00	0.00	0.0	0.000
24.916	0.000	0.00	0.00	0.00	0.0	0.000
24.933	0.000	0.00	0.00	0.00	0.0	0.000
24.950	0.000	0.00	0.00	0.00	0.0	0.000
24.966	0.000	0.00	0.00	0.00	0.0	0.000
24.983	0.000	0.00	0.00	0.00	0.0	0.000
25.000	0.000	0.00	0.00	0.00	0.0	0.000
25.016	0.000	0.00	0.00	0.00	0.0	0.000
25.033	0.000	0.00	0.00	0.00	0.0	0.000
25.050	0.000	0.00	0.00	0.00	0.0	0.000
25.066	0.000	0.00	0.00	0.00	0.0	0.000
25.083	0.000	0.00	0.00	0.00	0.0	0.000
25.100	0.000	0.00	0.00	0.00	0.0	0.000
25.116	0.000	0.00	0.00	0.00	0.0	0.000
25.133	0.000	0.00	0.00	0.00	0.0	0.000
25.150	0.000	0.00	0.00	0.00	0.0	0.000
25.166	0.000	0.00	0.00	0.00	0.0	0.000
25.183	0.000	0.00	0.00	0.00	0.0	0.000
25.200	0.000	0.00	0.00	0.00	0.0	0.000
25.216	0.000	0.00	0.00	0.00	0.0	0.000
25.233	0.000	0.00	0.00	0.00	0.0	0.000
25.250	0.000	0.00	0.00	0.00	0.0	0.000
25.266	0.000	0.00	0.00	0.00	0.0	0.000
25.283	0.000	0.00	0.00	0.00	0.0	0.000
25.300	0.000	0.00	0.00	0.00	0.0	0.000
25.316	0.000	0.00	0.00	0.00	0.0	0.000
25.333	0.000	0.00	0.00	0.00	0.0	0.000
25.350	0.000	0.00	0.00	0.00	0.0	0.000
25.366	0.000	0.00	0.00	0.00	0.0	0.000
25.383	0.000	0.00	0.00	0.00	0.0	0.000
25.400	0.000	0.00	0.00	0.00	0.0	0.000
25.416	0.000	0.00	0.00	0.00	0.0	0.000
25.433	0.000	0.00	0.00	0.00	0.0	0.000
25.450	0.000	0.00	0.00	0.00	0.0	0.000
25.466	0.000	0.00	0.00	0.00	0.0	0.000
25.483	0.000	0.00	0.00	0.00	0.0	0.000
25.500	0.000	0.00	0.00	0.00	0.0	0.000
25.516	0.000	0.00	0.00	0.00	0.0	0.000
25.533	0.000	0.00	0.00	0.00	0.0	0.000
25.550	0.000	0.00	0.00	0.00	0.0	0.000
25.566	0.000	0.00	0.00	0.00	0.0	0.000
25.583	0.000	0.00	0.00	0.00	0.0	0.000
25.600	0.000	0.00	0.00	0.00	0.0	0.000
25.616	0.000	0.00	0.00	0.00	0.0	0.000
25.633	0.000	0.00	0.00	0.00	0.0	0.000
25.650	0.000	0.00	0.00	0.00	0.0	0.000
25.666	0.000	0.00	0.00	0.00	0.0	0.000
25.683	0.000	0.00	0.00	0.00	0.0	0.000
25.700	0.000	0.00	0.00	0.00	0.0	0.000
25.716	0.000	0.00	0.00	0.00	0.0	0.000
25.733	0.000	0.00	0.00	0.00	0.0	0.000
25.750	0.000	0.00	0.00	0.00	0.0	0.000
25.766	0.000	0.00	0.00	0.00	0.0	0.000
25.783	0.000	0.00	0.00	0.00	0.0	0.000
25.800	0.000	0.00	0.00	0.00	0.0	0.000
25.816	0.000	0.00	0.00	0.00	0.0	0.000
25.833	0.000	0.00	0.00	0.00	0.0	0.000
25.850	0.000	0.00	0.00	0.00	0.0	0.000
25.866	0.000	0.00	0.00	0.00	0.0	0.000
25.883	0.000	0.00	0.00	0.00	0.0	0.000
25.900	0.000	0.00	0.00	0.00	0.0	0.000
25.916	0.000	0.00	0.00	0.00	0.0	0.000
25.933	0.000	0.00	0.00	0.00	0.0	0.000
25.950	0.000	0.00	0.00	0.00	0.0	0.000
25.966	0.000	0.00	0.00	0.00	0.0	0.000
25.983	0.000	0.00	0.00	0.00	0.0	0.000
26.000	0.000	0.00	0.00	0.00	0.0	0.000

26.016	0.000	0.00	0.00	0.00	0.0	0.000
26.033	0.000	0.00	0.00	0.00	0.0	0.000
26.050	0.000	0.00	0.00	0.00	0.0	0.000
26.066	0.000	0.00	0.00	0.00	0.0	0.000
26.083	0.000	0.00	0.00	0.00	0.0	0.000
26.100	0.000	0.00	0.00	0.00	0.0	0.000
26.116	0.000	0.00	0.00	0.00	0.0	0.000
26.133	0.000	0.00	0.00	0.00	0.0	0.000
26.150	0.000	0.00	0.00	0.00	0.0	0.000
26.166	0.000	0.00	0.00	0.00	0.0	0.000
26.183	0.000	0.00	0.00	0.00	0.0	0.000
26.200	0.000	0.00	0.00	0.00	0.0	0.000
26.216	0.000	0.00	0.00	0.00	0.0	0.000
26.233	0.000	0.00	0.00	0.00	0.0	0.000
26.250	0.000	0.00	0.00	0.00	0.0	0.000
26.266	0.000	0.00	0.00	0.00	0.0	0.000
26.283	0.000	0.00	0.00	0.00	0.0	0.000
26.300	0.000	0.00	0.00	0.00	0.0	0.000
26.316	0.000	0.00	0.00	0.00	0.0	0.000
26.333	0.000	0.00	0.00	0.00	0.0	0.000
26.350	0.000	0.00	0.00	0.00	0.0	0.000
26.366	0.000	0.00	0.00	0.00	0.0	0.000
26.383	0.000	0.00	0.00	0.00	0.0	0.000
26.400	0.000	0.00	0.00	0.00	0.0	0.000
26.416	0.000	0.00	0.00	0.00	0.0	0.000
26.433	0.000	0.00	0.00	0.00	0.0	0.000
26.450	0.000	0.00	0.00	0.00	0.0	0.000
26.466	0.000	0.00	0.00	0.00	0.0	0.000
26.483	0.000	0.00	0.00	0.00	0.0	0.000
26.500	0.000	0.00	0.00	0.00	0.0	0.000
26.516	0.000	0.00	0.00	0.00	0.0	0.000
26.533	0.000	0.00	0.00	0.00	0.0	0.000
26.550	0.000	0.00	0.00	0.00	0.0	0.000
26.566	0.000	0.00	0.00	0.00	0.0	0.000
26.583	0.000	0.00	0.00	0.00	0.0	0.000
26.600	0.000	0.00	0.00	0.00	0.0	0.000
26.616	0.000	0.00	0.00	0.00	0.0	0.000
26.633	0.000	0.00	0.00	0.00	0.0	0.000
26.650	0.000	0.00	0.00	0.00	0.0	0.000
26.666	0.000	0.00	0.00	0.00	0.0	0.000
26.683	0.000	0.00	0.00	0.00	0.0	0.000
26.700	0.000	0.00	0.00	0.00	0.0	0.000
26.716	0.000	0.00	0.00	0.00	0.0	0.000
26.733	0.000	0.00	0.00	0.00	0.0	0.000
26.750	0.000	0.00	0.00	0.00	0.0	0.000
26.766	0.000	0.00	0.00	0.00	0.0	0.000
26.783	0.000	0.00	0.00	0.00	0.0	0.000
26.800	0.000	0.00	0.00	0.00	0.0	0.000
26.816	0.000	0.00	0.00	0.00	0.0	0.000
26.833	0.000	0.00	0.00	0.00	0.0	0.000
26.850	0.000	0.00	0.00	0.00	0.0	0.000
26.866	0.000	0.00	0.00	0.00	0.0	0.000
26.883	0.000	0.00	0.00	0.00	0.0	0.000
26.900	0.000	0.00	0.00	0.00	0.0	0.000
26.916	0.000	0.00	0.00	0.00	0.0	0.000
26.933	0.000	0.00	0.00	0.00	0.0	0.000
26.950	0.000	0.00	0.00	0.00	0.0	0.000
26.966	0.000	0.00	0.00	0.00	0.0	0.000
26.983	0.000	0.00	0.00	0.00	0.0	0.000
27.000	0.000	0.00	0.00	0.00	0.0	0.000
27.016	0.000	0.00	0.00	0.00	0.0	0.000
27.033	0.000	0.00	0.00	0.00	0.0	0.000
27.050	0.000	0.00	0.00	0.00	0.0	0.000
27.066	0.000	0.00	0.00	0.00	0.0	0.000
27.083	0.000	0.00	0.00	0.00	0.0	0.000
27.100	0.000	0.00	0.00	0.00	0.0	0.000
27.116	0.000	0.00	0.00	0.00	0.0	0.000
27.133	0.000	0.00	0.00	0.00	0.0	0.000
27.150	0.000	0.00	0.00	0.00	0.0	0.000
27.166	0.000	0.00	0.00	0.00	0.0	0.000
27.183	0.000	0.00	0.00	0.00	0.0	0.000
27.200	0.000	0.00	0.00	0.00	0.0	0.000

27.216	0.000	0.00	0.00	0.00	0.0	0.000
27.233	0.000	0.00	0.00	0.00	0.0	0.000
27.250	0.000	0.00	0.00	0.00	0.0	0.000
27.266	0.000	0.00	0.00	0.00	0.0	0.000
27.283	0.000	0.00	0.00	0.00	0.0	0.000
27.300	0.000	0.00	0.00	0.00	0.0	0.000
27.316	0.000	0.00	0.00	0.00	0.0	0.000
27.333	0.000	0.00	0.00	0.00	0.0	0.000
27.350	0.000	0.00	0.00	0.00	0.0	0.000
27.366	0.000	0.00	0.00	0.00	0.0	0.000
27.383	0.000	0.00	0.00	0.00	0.0	0.000
27.400	0.000	0.00	0.00	0.00	0.0	0.000
27.416	0.000	0.00	0.00	0.00	0.0	0.000
27.433	0.000	0.00	0.00	0.00	0.0	0.000
27.450	0.000	0.00	0.00	0.00	0.0	0.000
27.466	0.000	0.00	0.00	0.00	0.0	0.000
27.483	0.000	0.00	0.00	0.00	0.0	0.000
27.500	0.000	0.00	0.00	0.00	0.0	0.000
27.516	0.000	0.00	0.00	0.00	0.0	0.000
27.533	0.000	0.00	0.00	0.00	0.0	0.000
27.550	0.000	0.00	0.00	0.00	0.0	0.000
27.566	0.000	0.00	0.00	0.00	0.0	0.000
27.583	0.000	0.00	0.00	0.00	0.0	0.000
27.600	0.000	0.00	0.00	0.00	0.0	0.000
27.616	0.000	0.00	0.00	0.00	0.0	0.000
27.633	0.000	0.00	0.00	0.00	0.0	0.000
27.650	0.000	0.00	0.00	0.00	0.0	0.000
27.666	0.000	0.00	0.00	0.00	0.0	0.000
27.683	0.000	0.00	0.00	0.00	0.0	0.000
27.700	0.000	0.00	0.00	0.00	0.0	0.000
27.716	0.000	0.00	0.00	0.00	0.0	0.000
27.733	0.000	0.00	0.00	0.00	0.0	0.000
27.750	0.000	0.00	0.00	0.00	0.0	0.000
27.766	0.000	0.00	0.00	0.00	0.0	0.000
27.783	0.000	0.00	0.00	0.00	0.0	0.000
27.800	0.000	0.00	0.00	0.00	0.0	0.000
27.816	0.000	0.00	0.00	0.00	0.0	0.000
27.833	0.000	0.00	0.00	0.00	0.0	0.000
27.850	0.000	0.00	0.00	0.00	0.0	0.000
27.866	0.000	0.00	0.00	0.00	0.0	0.000
27.883	0.000	0.00	0.00	0.00	0.0	0.000
27.900	0.000	0.00	0.00	0.00	0.0	0.000
27.916	0.000	0.00	0.00	0.00	0.0	0.000
27.933	0.000	0.00	0.00	0.00	0.0	0.000
27.950	0.000	0.00	0.00	0.00	0.0	0.000
27.966	0.000	0.00	0.00	0.00	0.0	0.000
27.983	0.000	0.00	0.00	0.00	0.0	0.000
28.000	0.000	0.00	0.00	0.00	0.0	0.000
28.016	0.000	0.00	0.00	0.00	0.0	0.000
28.033	0.000	0.00	0.00	0.00	0.0	0.000
28.050	0.000	0.00	0.00	0.00	0.0	0.000
28.066	0.000	0.00	0.00	0.00	0.0	0.000
28.083	0.000	0.00	0.00	0.00	0.0	0.000
28.100	0.000	0.00	0.00	0.00	0.0	0.000
28.116	0.000	0.00	0.00	0.00	0.0	0.000
28.133	0.000	0.00	0.00	0.00	0.0	0.000
28.150	0.000	0.00	0.00	0.00	0.0	0.000
28.166	0.000	0.00	0.00	0.00	0.0	0.000
28.183	0.000	0.00	0.00	0.00	0.0	0.000
28.200	0.000	0.00	0.00	0.00	0.0	0.000
28.216	0.000	0.00	0.00	0.00	0.0	0.000
28.233	0.000	0.00	0.00	0.00	0.0	0.000
28.250	0.000	0.00	0.00	0.00	0.0	0.000
28.266	0.000	0.00	0.00	0.00	0.0	0.000
28.283	0.000	0.00	0.00	0.00	0.0	0.000
28.300	0.000	0.00	0.00	0.00	0.0	0.000
28.316	0.000	0.00	0.00	0.00	0.0	0.000
28.333	0.000	0.00	0.00	0.00	0.0	0.000
28.350	0.000	0.00	0.00	0.00	0.0	0.000
28.366	0.000	0.00	0.00	0.00	0.0	0.000
28.383	0.000	0.00	0.00	0.00	0.0	0.000
28.400	0.000	0.00	0.00	0.00	0.0	0.000

28.416	0.000	0.00	0.00	0.00	0.0	0.000
28.433	0.000	0.00	0.00	0.00	0.0	0.000
28.450	0.000	0.00	0.00	0.00	0.0	0.000
28.466	0.000	0.00	0.00	0.00	0.0	0.000
28.483	0.000	0.00	0.00	0.00	0.0	0.000
28.500	0.000	0.00	0.00	0.00	0.0	0.000
28.516	0.000	0.00	0.00	0.00	0.0	0.000
28.533	0.000	0.00	0.00	0.00	0.0	0.000
28.550	0.000	0.00	0.00	0.00	0.0	0.000
28.566	0.000	0.00	0.00	0.00	0.0	0.000
28.583	0.000	0.00	0.00	0.00	0.0	0.000
28.600	0.000	0.00	0.00	0.00	0.0	0.000
28.616	0.000	0.00	0.00	0.00	0.0	0.000
28.633	0.000	0.00	0.00	0.00	0.0	0.000
28.650	0.000	0.00	0.00	0.00	0.0	0.000
28.666	0.000	0.00	0.00	0.00	0.0	0.000
28.683	0.000	0.00	0.00	0.00	0.0	0.000
28.700	0.000	0.00	0.00	0.00	0.0	0.000
28.716	0.000	0.00	0.00	0.00	0.0	0.000
28.733	0.000	0.00	0.00	0.00	0.0	0.000
28.750	0.000	0.00	0.00	0.00	0.0	0.000
28.766	0.000	0.00	0.00	0.00	0.0	0.000
28.783	0.000	0.00	0.00	0.00	0.0	0.000
28.800	0.000	0.00	0.00	0.00	0.0	0.000
28.816	0.000	0.00	0.00	0.00	0.0	0.000
28.833	0.000	0.00	0.00	0.00	0.0	0.000
28.850	0.000	0.00	0.00	0.00	0.0	0.000
28.866	0.000	0.00	0.00	0.00	0.0	0.000
28.883	0.000	0.00	0.00	0.00	0.0	0.000
28.900	0.000	0.00	0.00	0.00	0.0	0.000
28.916	0.000	0.00	0.00	0.00	0.0	0.000
28.933	0.000	0.00	0.00	0.00	0.0	0.000
28.950	0.000	0.00	0.00	0.00	0.0	0.000
28.966	0.000	0.00	0.00	0.00	0.0	0.000
28.983	0.000	0.00	0.00	0.00	0.0	0.000
29.000	0.000	0.00	0.00	0.00	0.0	0.000
29.016	0.000	0.00	0.00	0.00	0.0	0.000
29.033	0.000	0.00	0.00	0.00	0.0	0.000
29.050	0.000	0.00	0.00	0.00	0.0	0.000
29.066	0.000	0.00	0.00	0.00	0.0	0.000
29.083	0.000	0.00	0.00	0.00	0.0	0.000
29.100	0.000	0.00	0.00	0.00	0.0	0.000
29.116	0.000	0.00	0.00	0.00	0.0	0.000
29.133	0.000	0.00	0.00	0.00	0.0	0.000
29.150	0.000	0.00	0.00	0.00	0.0	0.000
29.166	0.000	0.00	0.00	0.00	0.0	0.000
29.183	0.000	0.00	0.00	0.00	0.0	0.000
29.200	0.000	0.00	0.00	0.00	0.0	0.000
29.216	0.000	0.00	0.00	0.00	0.0	0.000
29.233	0.000	0.00	0.00	0.00	0.0	0.000
29.250	0.000	0.00	0.00	0.00	0.0	0.000
29.266	0.000	0.00	0.00	0.00	0.0	0.000
29.283	0.000	0.00	0.00	0.00	0.0	0.000
29.300	0.000	0.00	0.00	0.00	0.0	0.000
29.316	0.000	0.00	0.00	0.00	0.0	0.000
29.333	0.000	0.00	0.00	0.00	0.0	0.000
29.350	0.000	0.00	0.00	0.00	0.0	0.000
29.366	0.000	0.00	0.00	0.00	0.0	0.000
29.383	0.000	0.00	0.00	0.00	0.0	0.000
29.400	0.000	0.00	0.00	0.00	0.0	0.000
29.416	0.000	0.00	0.00	0.00	0.0	0.000
29.433	0.000	0.00	0.00	0.00	0.0	0.000
29.450	0.000	0.00	0.00	0.00	0.0	0.000
29.466	0.000	0.00	0.00	0.00	0.0	0.000
29.483	0.000	0.00	0.00	0.00	0.0	0.000
29.500	0.000	0.00	0.00	0.00	0.0	0.000
29.516	0.000	0.00	0.00	0.00	0.0	0.000
29.533	0.000	0.00	0.00	0.00	0.0	0.000
29.550	0.000	0.00	0.00	0.00	0.0	0.000
29.566	0.000	0.00	0.00	0.00	0.0	0.000
29.583	0.000	0.00	0.00	0.00	0.0	0.000
29.600	0.000	0.00	0.00	0.00	0.0	0.000

29.616	0.000	0.00	0.00	0.00	0.0	0.000
29.633	0.000	0.00	0.00	0.00	0.0	0.000
29.650	0.000	0.00	0.00	0.00	0.0	0.000
29.666	0.000	0.00	0.00	0.00	0.0	0.000
29.683	0.000	0.00	0.00	0.00	0.0	0.000
29.700	0.000	0.00	0.00	0.00	0.0	0.000
29.716	0.000	0.00	0.00	0.00	0.0	0.000
29.733	0.000	0.00	0.00	0.00	0.0	0.000
29.750	0.000	0.00	0.00	0.00	0.0	0.000
29.766	0.000	0.00	0.00	0.00	0.0	0.000
29.783	0.000	0.00	0.00	0.00	0.0	0.000
29.800	0.000	0.00	0.00	0.00	0.0	0.000
29.816	0.000	0.00	0.00	0.00	0.0	0.000
29.833	0.000	0.00	0.00	0.00	0.0	0.000
29.850	0.000	0.00	0.00	0.00	0.0	0.000
29.866	0.000	0.00	0.00	0.00	0.0	0.000
29.883	0.000	0.00	0.00	0.00	0.0	0.000
29.900	0.000	0.00	0.00	0.00	0.0	0.000
29.916	0.000	0.00	0.00	0.00	0.0	0.000
29.933	0.000	0.00	0.00	0.00	0.0	0.000
29.950	0.000	0.00	0.00	0.00	0.0	0.000
29.966	0.000	0.00	0.00	0.00	0.0	0.000
29.983	0.000	0.00	0.00	0.00	0.0	0.000
30.000	0.000	0.00	0.00	0.00	0.0	0.000
30.016	0.000	0.00	0.00	0.00	0.0	0.000
30.033	0.000	0.00	0.00	0.00	0.0	0.000
30.050	0.000	0.00	0.00	0.00	0.0	0.000
30.066	0.000	0.00	0.00	0.00	0.0	0.000
30.083	0.000	0.00	0.00	0.00	0.0	0.000
30.100	0.000	0.00	0.00	0.00	0.0	0.000
30.116	0.000	0.00	0.00	0.00	0.0	0.000
30.133	0.000	0.00	0.00	0.00	0.0	0.000
30.150	0.000	0.00	0.00	0.00	0.0	0.000
30.166	0.000	0.00	0.00	0.00	0.0	0.000
30.183	0.000	0.00	0.00	0.00	0.0	0.000
30.200	0.000	0.00	0.00	0.00	0.0	0.000
30.216	0.000	0.00	0.00	0.00	0.0	0.000
30.233	0.000	0.00	0.00	0.00	0.0	0.000
30.250	0.000	0.00	0.00	0.00	0.0	0.000
30.266	0.000	0.00	0.00	0.00	0.0	0.000
30.283	0.000	0.00	0.00	0.00	0.0	0.000
30.300	0.000	0.00	0.00	0.00	0.0	0.000
30.316	0.000	0.00	0.00	0.00	0.0	0.000
30.333	0.000	0.00	0.00	0.00	0.0	0.000
30.350	0.000	0.00	0.00	0.00	0.0	0.000
30.366	0.000	0.00	0.00	0.00	0.0	0.000
30.383	0.000	0.00	0.00	0.00	0.0	0.000
30.400	0.000	0.00	0.00	0.00	0.0	0.000
30.416	0.000	0.00	0.00	0.00	0.0	0.000
30.433	0.000	0.00	0.00	0.00	0.0	0.000
30.450	0.000	0.00	0.00	0.00	0.0	0.000
30.466	0.000	0.00	0.00	0.00	0.0	0.000
30.483	0.000	0.00	0.00	0.00	0.0	0.000
30.500	0.000	0.00	0.00	0.00	0.0	0.000
30.516	0.000	0.00	0.00	0.00	0.0	0.000
30.533	0.000	0.00	0.00	0.00	0.0	0.000
30.550	0.000	0.00	0.00	0.00	0.0	0.000
30.566	0.000	0.00	0.00	0.00	0.0	0.000
30.583	0.000	0.00	0.00	0.00	0.0	0.000
30.600	0.000	0.00	0.00	0.00	0.0	0.000
30.616	0.000	0.00	0.00	0.00	0.0	0.000
30.633	0.000	0.00	0.00	0.00	0.0	0.000
30.650	0.000	0.00	0.00	0.00	0.0	0.000
30.666	0.000	0.00	0.00	0.00	0.0	0.000
30.683	0.000	0.00	0.00	0.00	0.0	0.000
30.700	0.000	0.00	0.00	0.00	0.0	0.000
30.716	0.000	0.00	0.00	0.00	0.0	0.000
30.733	0.000	0.00	0.00	0.00	0.0	0.000
30.750	0.000	0.00	0.00	0.00	0.0	0.000
30.766	0.000	0.00	0.00	0.00	0.0	0.000
30.783	0.000	0.00	0.00	0.00	0.0	0.000
30.800	0.000	0.00	0.00	0.00	0.0	0.000

30.816	0.000	0.00	0.00	0.00	0.0	0.000
30.833	0.000	0.00	0.00	0.00	0.0	0.000
30.850	0.000	0.00	0.00	0.00	0.0	0.000
30.866	0.000	0.00	0.00	0.00	0.0	0.000
30.883	0.000	0.00	0.00	0.00	0.0	0.000
30.900	0.000	0.00	0.00	0.00	0.0	0.000
30.916	0.000	0.00	0.00	0.00	0.0	0.000
30.933	0.000	0.00	0.00	0.00	0.0	0.000
30.950	0.000	0.00	0.00	0.00	0.0	0.000
30.966	0.000	0.00	0.00	0.00	0.0	0.000
30.983	0.000	0.00	0.00	0.00	0.0	0.000
31.000	0.000	0.00	0.00	0.00	0.0	0.000
31.016	0.000	0.00	0.00	0.00	0.0	0.000
31.033	0.000	0.00	0.00	0.00	0.0	0.000
31.050	0.000	0.00	0.00	0.00	0.0	0.000
31.066	0.000	0.00	0.00	0.00	0.0	0.000
31.083	0.000	0.00	0.00	0.00	0.0	0.000
31.100	0.000	0.00	0.00	0.00	0.0	0.000
31.116	0.000	0.00	0.00	0.00	0.0	0.000
31.133	0.000	0.00	0.00	0.00	0.0	0.000
31.150	0.000	0.00	0.00	0.00	0.0	0.000
31.166	0.000	0.00	0.00	0.00	0.0	0.000
31.183	0.000	0.00	0.00	0.00	0.0	0.000
31.200	0.000	0.00	0.00	0.00	0.0	0.000
31.216	0.000	0.00	0.00	0.00	0.0	0.000
31.233	0.000	0.00	0.00	0.00	0.0	0.000
31.250	0.000	0.00	0.00	0.00	0.0	0.000
31.266	0.000	0.00	0.00	0.00	0.0	0.000
31.283	0.000	0.00	0.00	0.00	0.0	0.000
31.300	0.000	0.00	0.00	0.00	0.0	0.000
31.316	0.000	0.00	0.00	0.00	0.0	0.000
31.333	0.000	0.00	0.00	0.00	0.0	0.000
31.350	0.000	0.00	0.00	0.00	0.0	0.000
31.366	0.000	0.00	0.00	0.00	0.0	0.000
31.383	0.000	0.00	0.00	0.00	0.0	0.000
31.400	0.000	0.00	0.00	0.00	0.0	0.000
31.416	0.000	0.00	0.00	0.00	0.0	0.000
31.433	0.000	0.00	0.00	0.00	0.0	0.000
31.450	0.000	0.00	0.00	0.00	0.0	0.000
31.466	0.000	0.00	0.00	0.00	0.0	0.000
31.483	0.000	0.00	0.00	0.00	0.0	0.000
31.500	0.000	0.00	0.00	0.00	0.0	0.000
31.516	0.000	0.00	0.00	0.00	0.0	0.000
31.533	0.000	0.00	0.00	0.00	0.0	0.000
31.550	0.000	0.00	0.00	0.00	0.0	0.000
31.566	0.000	0.00	0.00	0.00	0.0	0.000
31.583	0.000	0.00	0.00	0.00	0.0	0.000
31.600	0.000	0.00	0.00	0.00	0.0	0.000
31.616	0.000	0.00	0.00	0.00	0.0	0.000
31.633	0.000	0.00	0.00	0.00	0.0	0.000
31.650	0.000	0.00	0.00	0.00	0.0	0.000
31.666	0.000	0.00	0.00	0.00	0.0	0.000
31.683	0.000	0.00	0.00	0.00	0.0	0.000
31.700	0.000	0.00	0.00	0.00	0.0	0.000
31.716	0.000	0.00	0.00	0.00	0.0	0.000
31.733	0.000	0.00	0.00	0.00	0.0	0.000
31.750	0.000	0.00	0.00	0.00	0.0	0.000
31.766	0.000	0.00	0.00	0.00	0.0	0.000
31.783	0.000	0.00	0.00	0.00	0.0	0.000
31.800	0.000	0.00	0.00	0.00	0.0	0.000
31.816	0.000	0.00	0.00	0.00	0.0	0.000
31.833	0.000	0.00	0.00	0.00	0.0	0.000
31.850	0.000	0.00	0.00	0.00	0.0	0.000
31.866	0.000	0.00	0.00	0.00	0.0	0.000
31.883	0.000	0.00	0.00	0.00	0.0	0.000
31.900	0.000	0.00	0.00	0.00	0.0	0.000
31.916	0.000	0.00	0.00	0.00	0.0	0.000
31.933	0.000	0.00	0.00	0.00	0.0	0.000
31.950	0.000	0.00	0.00	0.00	0.0	0.000
31.966	0.000	0.00	0.00	0.00	0.0	0.000
31.983	0.000	0.00	0.00	0.00	0.0	0.000
32.000	0.000	0.00	0.00	0.00	0.0	0.000

32.016	0.000	0.00	0.00	0.00	0.0	0.000
32.033	0.000	0.00	0.00	0.00	0.0	0.000
32.050	0.000	0.00	0.00	0.00	0.0	0.000
32.066	0.000	0.00	0.00	0.00	0.0	0.000
32.083	0.000	0.00	0.00	0.00	0.0	0.000
32.100	0.000	0.00	0.00	0.00	0.0	0.000
32.116	0.000	0.00	0.00	0.00	0.0	0.000
32.133	0.000	0.00	0.00	0.00	0.0	0.000
32.150	0.000	0.00	0.00	0.00	0.0	0.000
32.166	0.000	0.00	0.00	0.00	0.0	0.000
32.183	0.000	0.00	0.00	0.00	0.0	0.000
32.200	0.000	0.00	0.00	0.00	0.0	0.000
32.216	0.000	0.00	0.00	0.00	0.0	0.000
32.233	0.000	0.00	0.00	0.00	0.0	0.000
32.250	0.000	0.00	0.00	0.00	0.0	0.000
32.266	0.000	0.00	0.00	0.00	0.0	0.000
32.283	0.000	0.00	0.00	0.00	0.0	0.000
32.300	0.000	0.00	0.00	0.00	0.0	0.000
32.316	0.000	0.00	0.00	0.00	0.0	0.000
32.333	0.000	0.00	0.00	0.00	0.0	0.000
32.350	0.000	0.00	0.00	0.00	0.0	0.000
32.366	0.000	0.00	0.00	0.00	0.0	0.000
32.383	0.000	0.00	0.00	0.00	0.0	0.000
32.400	0.000	0.00	0.00	0.00	0.0	0.000
32.416	0.000	0.00	0.00	0.00	0.0	0.000
32.433	0.000	0.00	0.00	0.00	0.0	0.000
32.450	0.000	0.00	0.00	0.00	0.0	0.000
32.466	0.000	0.00	0.00	0.00	0.0	0.000
32.483	0.000	0.00	0.00	0.00	0.0	0.000
32.500	0.000	0.00	0.00	0.00	0.0	0.000
32.516	0.000	0.00	0.00	0.00	0.0	0.000
32.533	0.000	0.00	0.00	0.00	0.0	0.000
32.550	0.000	0.00	0.00	0.00	0.0	0.000
32.566	0.000	0.00	0.00	0.00	0.0	0.000
32.583	0.000	0.00	0.00	0.00	0.0	0.000
32.600	0.000	0.00	0.00	0.00	0.0	0.000
32.616	0.000	0.00	0.00	0.00	0.0	0.000
32.633	0.000	0.00	0.00	0.00	0.0	0.000
32.650	0.000	0.00	0.00	0.00	0.0	0.000
32.666	0.000	0.00	0.00	0.00	0.0	0.000
32.683	0.000	0.00	0.00	0.00	0.0	0.000
32.700	0.000	0.00	0.00	0.00	0.0	0.000
32.716	0.000	0.00	0.00	0.00	0.0	0.000
32.733	0.000	0.00	0.00	0.00	0.0	0.000
32.750	0.000	0.00	0.00	0.00	0.0	0.000
32.766	0.000	0.00	0.00	0.00	0.0	0.000
32.783	0.000	0.00	0.00	0.00	0.0	0.000
32.800	0.000	0.00	0.00	0.00	0.0	0.000
32.816	0.000	0.00	0.00	0.00	0.0	0.000
32.833	0.000	0.00	0.00	0.00	0.0	0.000
32.850	0.000	0.00	0.00	0.00	0.0	0.000
32.866	0.000	0.00	0.00	0.00	0.0	0.000
32.883	0.000	0.00	0.00	0.00	0.0	0.000
32.900	0.000	0.00	0.00	0.00	0.0	0.000
32.916	0.000	0.00	0.00	0.00	0.0	0.000
32.933	0.000	0.00	0.00	0.00	0.0	0.000
32.950	0.000	0.00	0.00	0.00	0.0	0.000
32.966	0.000	0.00	0.00	0.00	0.0	0.000
32.983	0.000	0.00	0.00	0.00	0.0	0.000
33.000	0.000	0.00	0.00	0.00	0.0	0.000
33.016	0.000	0.00	0.00	0.00	0.0	0.000
33.033	0.000	0.00	0.00	0.00	0.0	0.000
33.050	0.000	0.00	0.00	0.00	0.0	0.000
33.066	0.000	0.00	0.00	0.00	0.0	0.000
33.083	0.000	0.00	0.00	0.00	0.0	0.000
33.100	0.000	0.00	0.00	0.00	0.0	0.000
33.116	0.000	0.00	0.00	0.00	0.0	0.000
33.133	0.000	0.00	0.00	0.00	0.0	0.000
33.150	0.000	0.00	0.00	0.00	0.0	0.000
33.166	0.000	0.00	0.00	0.00	0.0	0.000
33.183	0.000	0.00	0.00	0.00	0.0	0.000
33.200	0.000	0.00	0.00	0.00	0.0	0.000

33.216	0.000	0.00	0.00	0.00	0.0	0.000
33.233	0.000	0.00	0.00	0.00	0.0	0.000
33.250	0.000	0.00	0.00	0.00	0.0	0.000
33.266	0.000	0.00	0.00	0.00	0.0	0.000
33.283	0.000	0.00	0.00	0.00	0.0	0.000
33.300	0.000	0.00	0.00	0.00	0.0	0.000
33.316	0.000	0.00	0.00	0.00	0.0	0.000
33.333	0.000	0.00	0.00	0.00	0.0	0.000
33.350	0.000	0.00	0.00	0.00	0.0	0.000
33.366	0.000	0.00	0.00	0.00	0.0	0.000
33.383	0.000	0.00	0.00	0.00	0.0	0.000
33.400	0.000	0.00	0.00	0.00	0.0	0.000
33.416	0.000	0.00	0.00	0.00	0.0	0.000
33.433	0.000	0.00	0.00	0.00	0.0	0.000
33.450	0.000	0.00	0.00	0.00	0.0	0.000
33.466	0.000	0.00	0.00	0.00	0.0	0.000
33.483	0.000	0.00	0.00	0.00	0.0	0.000
33.500	0.000	0.00	0.00	0.00	0.0	0.000
33.516	0.000	0.00	0.00	0.00	0.0	0.000
33.533	0.000	0.00	0.00	0.00	0.0	0.000
33.550	0.000	0.00	0.00	0.00	0.0	0.000
33.566	0.000	0.00	0.00	0.00	0.0	0.000
33.583	0.000	0.00	0.00	0.00	0.0	0.000
33.600	0.000	0.00	0.00	0.00	0.0	0.000
33.616	0.000	0.00	0.00	0.00	0.0	0.000
33.633	0.000	0.00	0.00	0.00	0.0	0.000
33.650	0.000	0.00	0.00	0.00	0.0	0.000
33.666	0.000	0.00	0.00	0.00	0.0	0.000
33.683	0.000	0.00	0.00	0.00	0.0	0.000
33.700	0.000	0.00	0.00	0.00	0.0	0.000
33.716	0.000	0.00	0.00	0.00	0.0	0.000
33.733	0.000	0.00	0.00	0.00	0.0	0.000
33.750	0.000	0.00	0.00	0.00	0.0	0.000
33.766	0.000	0.00	0.00	0.00	0.0	0.000
33.783	0.000	0.00	0.00	0.00	0.0	0.000
33.800	0.000	0.00	0.00	0.00	0.0	0.000
33.816	0.000	0.00	0.00	0.00	0.0	0.000
33.833	0.000	0.00	0.00	0.00	0.0	0.000
33.850	0.000	0.00	0.00	0.00	0.0	0.000
33.866	0.000	0.00	0.00	0.00	0.0	0.000
33.883	0.000	0.00	0.00	0.00	0.0	0.000
33.900	0.000	0.00	0.00	0.00	0.0	0.000
33.916	0.000	0.00	0.00	0.00	0.0	0.000
33.933	0.000	0.00	0.00	0.00	0.0	0.000
33.950	0.000	0.00	0.00	0.00	0.0	0.000
33.966	0.000	0.00	0.00	0.00	0.0	0.000
33.983	0.000	0.00	0.00	0.00	0.0	0.000
34.000	0.000	0.00	0.00	0.00	0.0	0.000
34.016	0.000	0.00	0.00	0.00	0.0	0.000
34.033	0.000	0.00	0.00	0.00	0.0	0.000
34.050	0.000	0.00	0.00	0.00	0.0	0.000
34.066	0.000	0.00	0.00	0.00	0.0	0.000
34.083	0.000	0.00	0.00	0.00	0.0	0.000
34.100	0.000	0.00	0.00	0.00	0.0	0.000
34.116	0.000	0.00	0.00	0.00	0.0	0.000
34.133	0.000	0.00	0.00	0.00	0.0	0.000
34.150	0.000	0.00	0.00	0.00	0.0	0.000
34.166	0.000	0.00	0.00	0.00	0.0	0.000
34.183	0.000	0.00	0.00	0.00	0.0	0.000
34.200	0.000	0.00	0.00	0.00	0.0	0.000
34.216	0.000	0.00	0.00	0.00	0.0	0.000
34.233	0.000	0.00	0.00	0.00	0.0	0.000
34.250	0.000	0.00	0.00	0.00	0.0	0.000
34.266	0.000	0.00	0.00	0.00	0.0	0.000
34.283	0.000	0.00	0.00	0.00	0.0	0.000
34.300	0.000	0.00	0.00	0.00	0.0	0.000
34.316	0.000	0.00	0.00	0.00	0.0	0.000
34.333	0.000	0.00	0.00	0.00	0.0	0.000
34.350	0.000	0.00	0.00	0.00	0.0	0.000
34.366	0.000	0.00	0.00	0.00	0.0	0.000
34.383	0.000	0.00	0.00	0.00	0.0	0.000
34.400	0.000	0.00	0.00	0.00	0.0	0.000

34.416	0.000	0.00	0.00	0.00	0.0	0.000
34.433	0.000	0.00	0.00	0.00	0.0	0.000
34.450	0.000	0.00	0.00	0.00	0.0	0.000
34.466	0.000	0.00	0.00	0.00	0.0	0.000
34.483	0.000	0.00	0.00	0.00	0.0	0.000
34.500	0.000	0.00	0.00	0.00	0.0	0.000
34.516	0.000	0.00	0.00	0.00	0.0	0.000
34.533	0.000	0.00	0.00	0.00	0.0	0.000
34.550	0.000	0.00	0.00	0.00	0.0	0.000
34.566	0.000	0.00	0.00	0.00	0.0	0.000
34.583	0.000	0.00	0.00	0.00	0.0	0.000
34.600	0.000	0.00	0.00	0.00	0.0	0.000
34.616	0.000	0.00	0.00	0.00	0.0	0.000
34.633	0.000	0.00	0.00	0.00	0.0	0.000
34.650	0.000	0.00	0.00	0.00	0.0	0.000
34.666	0.000	0.00	0.00	0.00	0.0	0.000
34.683	0.000	0.00	0.00	0.00	0.0	0.000
34.700	0.000	0.00	0.00	0.00	0.0	0.000
34.716	0.000	0.00	0.00	0.00	0.0	0.000
34.733	0.000	0.00	0.00	0.00	0.0	0.000
34.750	0.000	0.00	0.00	0.00	0.0	0.000
34.766	0.000	0.00	0.00	0.00	0.0	0.000
34.783	0.000	0.00	0.00	0.00	0.0	0.000
34.800	0.000	0.00	0.00	0.00	0.0	0.000
34.816	0.000	0.00	0.00	0.00	0.0	0.000
34.833	0.000	0.00	0.00	0.00	0.0	0.000
34.850	0.000	0.00	0.00	0.00	0.0	0.000
34.866	0.000	0.00	0.00	0.00	0.0	0.000
34.883	0.000	0.00	0.00	0.00	0.0	0.000
34.900	0.000	0.00	0.00	0.00	0.0	0.000
34.916	0.000	0.00	0.00	0.00	0.0	0.000
34.933	0.000	0.00	0.00	0.00	0.0	0.000
34.950	0.000	0.00	0.00	0.00	0.0	0.000
34.966	0.000	0.00	0.00	0.00	0.0	0.000
34.983	0.000	0.00	0.00	0.00	0.0	0.000
35.000	0.000	0.00	0.00	0.00	0.0	0.000
35.016	0.000	0.00	0.00	0.00	0.0	0.000
35.033	0.000	0.00	0.00	0.00	0.0	0.000
35.050	0.000	0.00	0.00	0.00	0.0	0.000
35.066	0.000	0.00	0.00	0.00	0.0	0.000
35.083	0.000	0.00	0.00	0.00	0.0	0.000
35.100	0.000	0.00	0.00	0.00	0.0	0.000
35.116	0.000	0.00	0.00	0.00	0.0	0.000
35.133	0.000	0.00	0.00	0.00	0.0	0.000
35.150	0.000	0.00	0.00	0.00	0.0	0.000
35.166	0.000	0.00	0.00	0.00	0.0	0.000
35.183	0.000	0.00	0.00	0.00	0.0	0.000
35.200	0.000	0.00	0.00	0.00	0.0	0.000
35.216	0.000	0.00	0.00	0.00	0.0	0.000
35.233	0.000	0.00	0.00	0.00	0.0	0.000
35.250	0.000	0.00	0.00	0.00	0.0	0.000
35.266	0.000	0.00	0.00	0.00	0.0	0.000
35.283	0.000	0.00	0.00	0.00	0.0	0.000
35.300	0.000	0.00	0.00	0.00	0.0	0.000
35.316	0.000	0.00	0.00	0.00	0.0	0.000
35.333	0.000	0.00	0.00	0.00	0.0	0.000
35.350	0.000	0.00	0.00	0.00	0.0	0.000
35.366	0.000	0.00	0.00	0.00	0.0	0.000
35.383	0.000	0.00	0.00	0.00	0.0	0.000
35.400	0.000	0.00	0.00	0.00	0.0	0.000
35.416	0.000	0.00	0.00	0.00	0.0	0.000
35.433	0.000	0.00	0.00	0.00	0.0	0.000
35.450	0.000	0.00	0.00	0.00	0.0	0.000
35.466	0.000	0.00	0.00	0.00	0.0	0.000
35.483	0.000	0.00	0.00	0.00	0.0	0.000
35.500	0.000	0.00	0.00	0.00	0.0	0.000
35.516	0.000	0.00	0.00	0.00	0.0	0.000
35.533	0.000	0.00	0.00	0.00	0.0	0.000
35.550	0.000	0.00	0.00	0.00	0.0	0.000
35.566	0.000	0.00	0.00	0.00	0.0	0.000
35.583	0.000	0.00	0.00	0.00	0.0	0.000
35.600	0.000	0.00	0.00	0.00	0.0	0.000

```
          35.616        0.000     0.00     0.00      0.00      0.0      0.000
          35.633        0.000     0.00     0.00      0.00      0.0      0.000
          35.650        0.000     0.00     0.00      0.00      0.0      0.000
          35.666        0.000     0.00     0.00      0.00      0.0      0.000
          35.683        0.000     0.00     0.00      0.00      0.0      0.000
          35.700        0.000     0.00     0.00      0.00      0.0      0.000
          35.716        0.000     0.00     0.00      0.00      0.0      0.000
          35.733        0.000     0.00     0.00      0.00      0.0      0.000
          35.750        0.000     0.00     0.00      0.00      0.0      0.000
          35.766        0.000     0.00     0.00      0.00      0.0      0.000
          35.783        0.000     0.00     0.00      0.00      0.0      0.000
          35.800        0.000     0.00     0.00      0.00      0.0      0.000
          35.816        0.000     0.00     0.00      0.00      0.0      0.000
          35.833        0.000     0.00     0.00      0.00      0.0      0.000
          35.850        0.000     0.00     0.00      0.00      0.0      0.000
          35.866        0.000     0.00     0.00      0.00      0.0      0.000
          35.883        0.000     0.00     0.00      0.00      0.0      0.000
          35.900        0.000     0.00     0.00      0.00      0.0      0.000
          35.916        0.000     0.00     0.00      0.00      0.0      0.000
          35.933        0.000     0.00     0.00      0.00      0.0      0.000
          35.950        0.000     0.00     0.00      0.00      0.0      0.000
          35.966        0.000     0.00     0.00      0.00      0.0      0.000
          35.983        0.000     0.00     0.00      0.00      0.0      0.000
          36.000        0.000     0.00     0.00      0.00      0.0      0.000
-------------------------------------------------------------------------------
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =     13.623 AF
    BASIN  STORAGE =      0.000 AF (WITH      0.000 AF INITIALLY FILLED)
    OUTFLOW VOLUME =     13.623 AF
    LOSS    VOLUME =      0.000 AF
===============================================================================

  END OF FLOODSCx ROUTING ANALYSIS
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Arrow Rt. and Juneberry Dr. - Rancho Cucamonga
Basin Rating Curve

Building 4 - Nodes 160-169 - Line G Sta. 21+14.17

Elevation (ft)	Depth (ft)	Storage (cu-ft)	Storage (ac-ft)	Type SD Orifice C 0.60 Storm Drain Diameter (in) 24 Invert (ft) 1130.89 Discharge (cfs)
1136.09	0.00	0	0.000	34.494
1136.19	0.10	114	0.003	34.824
1136.29	0.20	964	0.022	35.151
1136.39	0.30	3,318	0.076	35.475
1136.49	0.40	7,687	0.176	35.796
1136.59	0.50	13,883	0.319	36.114
1136.69	0.60	21,672	0.498	36.430
1136.79	0.70	30,876	0.709	36.743
1136.89	0.80	41,344	0.949	37.053
1136.99	0.90	52,877	1.214	37.360
1137.09	1.00	65,158	1.496	37.665
1137.19	1.10	78,190	1.795	37.968
1137.29	1.20	92,015	2.112	38.268

```
******************************************************************************
          NON-HOMOGENEOUS WATERSHED AREA-AVERAGED LOSS RATE (Fm)
                    AND LOW LOSS FRACTION ESTIMATIONS
==============================================================================
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             Ver. 23.0  Release Date: 07/01/2016  License ID 1435

                            Analysis prepared by:




******************************************************************************
------------------------------------------------------------------------------

 Problem Descriptions:
  ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA
  PROPOSED CONDITION - BUILDING 4 - NODES 160-169
  HYDROLOGIC ANALYSIS - 100-YEAR
==============================================================================
*** NON-HOMOGENEOUS WATERSHED AREA-AVERAGED LOSS RATE (Fm)
    AND LOW LOSS FRACTION ESTIMATIONS FOR AMC III:

    TOTAL 24-HOUR DURATION RAINFALL DEPTH =     8.20 (inches)

    SOIL-COVER     AREA      PERCENT OF    SCS CURVE    LOSS RATE
       TYPE      (Acres)   PERVIOUS AREA     NUMBER    Fp(in./hr.)    YIELD
         1         16.90       10.00       32.(AMC II)     0.742       0.874

    TOTAL AREA (Acres) =     16.90

    AREA-AVERAGED LOSS RATE, Fm (in./hr.) =  0.074

    AREA-AVERAGED LOW LOSS FRACTION, Y = 0.126
==============================================================================
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******************************************************************************

            F L O O D    R O U T I N G    A N A L Y S I S
          USING COUNTY HYDROLOGY MANUAL OF SAN BERNARDINO(1986)
         (c) Copyright 1989-2016 Advanced Engineering Software (aes)
             Ver. 23.0  Release Date: 07/01/2016  License ID 1435

                          Analysis prepared by:



 ************************** DESCRIPTION OF STUDY **************************
* ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA                           *
* PROPOSED CONDITION - BUILDING 4 - NODES 160-169                          *
* HYDROLOGIC ANALYSIS - 100-YEAR                                           *
 ****************************************************************************

  FILE NAME: 4021P1BC.FLD
  TIME/DATE OF STUDY: 16:00 05/05/2023

   The Small Area Unit Hydrograph Procedures in Section J
   of the Hydrology Manual provides estimates of runoff
   hydrograph and runoff volume for watersheds whose time of
   concentration is less than 25 minutes. The PROGRAM User
   should check the applicability of using the small area unit
   hydrograph procedures, and follow the guidelines in
   Sections J and K.5 in complex watershed modeling.


******************************************************************************
  FLOW PROCESS FROM NODE    160.00 TO NODE    169.00 IS CODE = 1.2
------------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
==============================================================================

  (SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #1)

    RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
    TOTAL CATCHMENT AREA(ACRES) =   16.90
    SOIL-LOSS RATE, Fm,(INCH/HR) =  0.074
    LOW LOSS FRACTION = 0.126
    TIME OF CONCENTRATION(MIN.) =  9.00
    SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
    USER SPECIFIED RAINFALL VALUES ARE USED:
    RETURN FREQUENCY(YEARS) = 100
       5-MINUTE POINT RAINFALL VALUE(INCHES) =  0.51
      30-MINUTE POINT RAINFALL VALUE(INCHES) =  1.05
       1-HOUR   POINT RAINFALL VALUE(INCHES) =  1.40
       3-HOUR   POINT RAINFALL VALUE(INCHES) =  2.50
       6-HOUR   POINT RAINFALL VALUE(INCHES) =  3.75
      24-HOUR   POINT RAINFALL VALUE(INCHES) =  8.20

------------------------------------------------------------------------------
    TOTAL CATCHMENT   RUNOFF  VOLUME(ACRE-FEET) =     9.15
    TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) =     2.40

------------------------------------------------------------------------------

==============================================================================

                      2 4 - H O U R    S T O R M
                  R U N O F F    H Y D R O G R A P H

==============================================================================
              HYDROGRAPH IN  ONE-MINUTE UNIT INTERVALS(CFS)
        (Notes: Time indicated is at END of Each Unit Intervals.
                Peak 5-minute rainfall intensity is modeled as
                a constant value for entire 5-minute period.)
```

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	16.1	32.2	48.3	64.4
0.017	0.0000	0.00	Q	.	.	.	.
0.033	0.0000	0.00	Q	.	.	.	.
0.050	0.0000	0.00	Q	.	.	.	.
0.067	0.0000	0.00	Q	.	.	.	.
0.083	0.0000	0.00	Q	.	.	.	.
0.100	0.0000	0.00	Q	.	.	.	.
0.117	0.0002	0.14	Q	.	.	.	.
0.133	0.0008	0.43	Q	.	.	.	.
0.150	0.0018	0.71	Q	.	.	.	.
0.167	0.0032	1.00	Q	.	.	.	.
0.183	0.0049	1.29	Q	.	.	.	.
0.200	0.0071	1.57	Q	.	.	.	.
0.217	0.0097	1.86	VQ	.	.	.	.
0.233	0.0126	2.14	VQ	.	.	.	.
0.250	0.0160	2.43	VQ	.	.	.	.
0.267	0.0195	2.57	VQ	.	.	.	.
0.283	0.0230	2.58	VQ	.	.	.	.
0.300	0.0266	2.58	VQ	.	.	.	.
0.317	0.0301	2.58	VQ	.	.	.	.
0.333	0.0337	2.58	VQ	.	.	.	.
0.350	0.0372	2.58	VQ	.	.	.	.
0.367	0.0408	2.58	VQ	.	.	.	.
0.383	0.0444	2.58	VQ	.	.	.	.
0.400	0.0479	2.58	VQ	.	.	.	.
0.417	0.0515	2.58	VQ	.	.	.	.
0.433	0.0550	2.58	VQ	.	.	.	.
0.450	0.0586	2.58	VQ	.	.	.	.
0.467	0.0621	2.59	VQ	.	.	.	.
0.483	0.0657	2.59	VQ	.	.	.	.
0.500	0.0693	2.59	VQ	.	.	.	.
0.517	0.0728	2.59	VQ	.	.	.	.
0.533	0.0764	2.59	VQ	.	.	.	.
0.550	0.0800	2.59	VQ	.	.	.	.
0.567	0.0836	2.60	VQ	.	.	.	.
0.583	0.0871	2.60	VQ	.	.	.	.
0.600	0.0907	2.60	VQ	.	.	.	.
0.617	0.0943	2.60	VQ	.	.	.	.
0.633	0.0979	2.60	VQ	.	.	.	.
0.650	0.1015	2.60	VQ	.	.	.	.
0.667	0.1050	2.60	VQ	.	.	.	.
0.683	0.1086	2.60	VQ	.	.	.	.
0.700	0.1122	2.60	VQ	.	.	.	.
0.717	0.1158	2.60	VQ	.	.	.	.
0.733	0.1194	2.61	VQ	.	.	.	.
0.750	0.1230	2.61	VQ	.	.	.	.
0.767	0.1266	2.61	VQ	.	.	.	.
0.783	0.1302	2.61	VQ	.	.	.	.
0.800	0.1338	2.61	VQ	.	.	.	.
0.817	0.1374	2.61	VQ	.	.	.	.
0.833	0.1410	2.62	VQ	.	.	.	.
0.850	0.1446	2.62	VQ	.	.	.	.
0.867	0.1482	2.62	VQ	.	.	.	.
0.883	0.1518	2.62	VQ	.	.	.	.
0.900	0.1554	2.62	VQ	.	.	.	.
0.917	0.1590	2.62	VQ	.	.	.	.
0.933	0.1626	2.62	VQ	.	.	.	.
0.950	0.1662	2.62	VQ	.	.	.	.
0.967	0.1698	2.62	VQ	.	.	.	.
0.983	0.1735	2.62	VQ	.	.	.	.
1.000	0.1771	2.62	VQ	.	.	.	.
1.017	0.1807	2.63	VQ	.	.	.	.
1.033	0.1843	2.63	VQ	.	.	.	.
1.050	0.1879	2.63	VQ	.	.	.	.
1.067	0.1915	2.63	VQ	.	.	.	.
1.083	0.1952	2.63	VQ	.	.	.	.
1.100	0.1988	2.63	VQ	.	.	.	.
1.117	0.2024	2.64	VQ	.	.	.	.
1.133	0.2061	2.64	VQ	.	.	.	.
1.150	0.2097	2.64	VQ	.	.	.	.

1.167	0.2133	2.64	VQ	.	.	.	.
1.183	0.2170	2.64	VQ	.	.	.	.
1.200	0.2206	2.64	VQ	.	.	.	.
1.217	0.2243	2.64	VQ	.	.	.	.
1.233	0.2279	2.64	VQ	.	.	.	.
1.250	0.2315	2.64	.Q	.	.	.	.
1.267	0.2352	2.65	.Q	.	.	.	.
1.283	0.2388	2.65	.Q	.	.	.	.
1.300	0.2425	2.65	.Q	.	.	.	.
1.317	0.2461	2.65	.Q	.	.	.	.
1.333	0.2498	2.65	.Q	.	.	.	.
1.350	0.2534	2.65	.Q	.	.	.	.
1.367	0.2571	2.65	.Q	.	.	.	.
1.383	0.2607	2.66	.Q	.	.	.	.
1.400	0.2644	2.66	.Q	.	.	.	.
1.417	0.2681	2.66	.Q	.	.	.	.
1.433	0.2717	2.66	.Q	.	.	.	.
1.450	0.2754	2.66	.Q	.	.	.	.
1.467	0.2791	2.66	.Q	.	.	.	.
1.483	0.2827	2.67	.Q	.	.	.	.
1.500	0.2864	2.67	.Q	.	.	.	.
1.517	0.2901	2.67	.Q	.	.	.	.
1.533	0.2938	2.67	.Q	.	.	.	.
1.550	0.2974	2.67	.Q	.	.	.	.
1.567	0.3011	2.67	.Q	.	.	.	.
1.583	0.3048	2.67	.Q	.	.	.	.
1.600	0.3085	2.67	.Q	.	.	.	.
1.617	0.3122	2.67	.Q	.	.	.	.
1.633	0.3158	2.67	.Q	.	.	.	.
1.650	0.3195	2.68	.Q	.	.	.	.
1.667	0.3232	2.68	.Q	.	.	.	.
1.683	0.3269	2.68	.Q	.	.	.	.
1.700	0.3306	2.68	.Q	.	.	.	.
1.717	0.3343	2.68	.Q	.	.	.	.
1.733	0.3380	2.69	.Q	.	.	.	.
1.750	0.3417	2.69	.Q	.	.	.	.
1.767	0.3454	2.69	.Q	.	.	.	.
1.783	0.3491	2.69	.Q	.	.	.	.
1.800	0.3528	2.69	.Q	.	.	.	.
1.817	0.3565	2.69	.Q	.	.	.	.
1.833	0.3602	2.69	.Q	.	.	.	.
1.850	0.3639	2.69	.Q	.	.	.	.
1.867	0.3676	2.69	.Q	.	.	.	.
1.883	0.3714	2.69	.Q	.	.	.	.
1.900	0.3751	2.70	.Q	.	.	.	.
1.917	0.3788	2.70	.Q	.	.	.	.
1.933	0.3825	2.70	.Q	.	.	.	.
1.950	0.3862	2.70	.Q	.	.	.	.
1.967	0.3899	2.70	.Q	.	.	.	.
1.983	0.3937	2.70	.Q	.	.	.	.
2.000	0.3974	2.71	.Q	.	.	.	.
2.017	0.4011	2.71	.Q	.	.	.	.
2.033	0.4049	2.71	.Q	.	.	.	.
2.050	0.4086	2.71	.Q	.	.	.	.
2.067	0.4123	2.71	.Q	.	.	.	.
2.083	0.4161	2.71	.Q	.	.	.	.
2.100	0.4198	2.72	.Q	.	.	.	.
2.117	0.4235	2.72	.Q	.	.	.	.
2.133	0.4273	2.72	.Q	.	.	.	.
2.150	0.4310	2.72	.Q	.	.	.	.
2.167	0.4348	2.72	.Q	.	.	.	.
2.183	0.4385	2.72	.Q	.	.	.	.
2.200	0.4423	2.72	.Q	.	.	.	.
2.217	0.4460	2.72	.Q	.	.	.	.
2.233	0.4498	2.72	.Q	.	.	.	.
2.250	0.4535	2.73	.Q	.	.	.	.
2.267	0.4573	2.73	.Q	.	.	.	.
2.283	0.4610	2.73	.QV	.	.	.	.
2.300	0.4648	2.73	.QV	.	.	.	.
2.317	0.4686	2.73	.QV	.	.	.	.
2.333	0.4723	2.74	.QV	.	.	.	.
2.350	0.4761	2.74	.QV	.	.	.	.

2.367	0.4799	2.74	.QV	.	.	.	.
2.383	0.4837	2.74	.QV	.	.	.	.
2.400	0.4874	2.74	.QV	.	.	.	.
2.417	0.4912	2.74	.QV	.	.	.	.
2.433	0.4950	2.74	.QV	.	.	.	.
2.450	0.4988	2.74	.QV	.	.	.	.
2.467	0.5025	2.74	.QV	.	.	.	.
2.483	0.5063	2.75	.QV	.	.	.	.
2.500	0.5101	2.75	.QV	.	.	.	.
2.517	0.5139	2.75	.QV	.	.	.	.
2.533	0.5177	2.75	.QV	.	.	.	.
2.550	0.5215	2.75	.QV	.	.	.	.
2.567	0.5253	2.75	.QV	.	.	.	.
2.583	0.5291	2.76	.QV	.	.	.	.
2.600	0.5329	2.76	.QV	.	.	.	.
2.617	0.5367	2.76	.QV	.	.	.	.
2.633	0.5405	2.76	.QV	.	.	.	.
2.650	0.5443	2.76	.QV	.	.	.	.
2.667	0.5481	2.77	.QV	.	.	.	.
2.683	0.5519	2.77	.QV	.	.	.	.
2.700	0.5557	2.77	.QV	.	.	.	.
2.717	0.5595	2.77	.QV	.	.	.	.
2.733	0.5633	2.77	.QV	.	.	.	.
2.750	0.5671	2.77	.QV	.	.	.	.
2.767	0.5710	2.77	.QV	.	.	.	.
2.783	0.5748	2.77	.QV	.	.	.	.
2.800	0.5786	2.77	.QV	.	.	.	.
2.817	0.5824	2.77	.QV	.	.	.	.
2.833	0.5863	2.78	.QV	.	.	.	.
2.850	0.5901	2.78	.QV	.	.	.	.
2.867	0.5939	2.78	.QV	.	.	.	.
2.883	0.5977	2.78	.QV	.	.	.	.
2.900	0.6016	2.78	.QV	.	.	.	.
2.917	0.6054	2.79	.QV	.	.	.	.
2.933	0.6093	2.79	.QV	.	.	.	.
2.950	0.6131	2.79	.QV	.	.	.	.
2.967	0.6169	2.79	.QV	.	.	.	.
2.983	0.6208	2.79	.QV	.	.	.	.
3.000	0.6246	2.79	.QV	.	.	.	.
3.017	0.6285	2.80	.QV	.	.	.	.
3.033	0.6323	2.80	.QV	.	.	.	.
3.050	0.6362	2.80	.QV	.	.	.	.
3.067	0.6401	2.80	.QV	.	.	.	.
3.083	0.6439	2.80	.QV	.	.	.	.
3.100	0.6478	2.80	.QV	.	.	.	.
3.117	0.6516	2.80	.QV	.	.	.	.
3.133	0.6555	2.80	.QV	.	.	.	.
3.150	0.6594	2.81	.QV	.	.	.	.
3.167	0.6632	2.81	.QV	.	.	.	.
3.183	0.6671	2.81	.QV	.	.	.	.
3.200	0.6710	2.81	.QV	.	.	.	.
3.217	0.6749	2.81	.QV	.	.	.	.
3.233	0.6787	2.82	.QV	.	.	.	.
3.250	0.6826	2.82	.QV	.	.	.	.
3.267	0.6865	2.82	.Q V	.	.	.	.
3.283	0.6904	2.82	.Q V	.	.	.	.
3.300	0.6943	2.82	.Q V	.	.	.	.
3.317	0.6982	2.82	.Q V	.	.	.	.
3.333	0.7021	2.82	.Q V	.	.	.	.
3.350	0.7059	2.83	.Q V	.	.	.	.
3.367	0.7098	2.83	.Q V	.	.	.	.
3.383	0.7137	2.83	.Q V	.	.	.	.
3.400	0.7176	2.83	.Q V	.	.	.	.
3.417	0.7215	2.83	.Q V	.	.	.	.
3.433	0.7254	2.83	.Q V	.	.	.	.
3.450	0.7293	2.84	.Q V	.	.	.	.
3.467	0.7332	2.84	.Q V	.	.	.	.
3.483	0.7372	2.84	.Q V	.	.	.	.
3.500	0.7411	2.84	.Q V	.	.	.	.
3.517	0.7450	2.84	.Q V	.	.	.	.
3.533	0.7489	2.85	.Q V	.	.	.	.
3.550	0.7528	2.85	.Q V	.	.	.	.

3.567	0.7568	2.85	.Q V	.	.	.	.
3.583	0.7607	2.85	.Q V	.	.	.	.
3.600	0.7646	2.85	.Q V	.	.	.	.
3.617	0.7685	2.85	.Q V	.	.	.	.
3.633	0.7725	2.85	.Q V	.	.	.	.
3.650	0.7764	2.86	.Q V	.	.	.	.
3.667	0.7803	2.86	.Q V	.	.	.	.
3.683	0.7843	2.86	.Q V	.	.	.	.
3.700	0.7882	2.86	.Q V	.	.	.	.
3.717	0.7922	2.86	.Q V	.	.	.	.
3.733	0.7961	2.86	.Q V	.	.	.	.
3.750	0.8001	2.87	.Q V	.	.	.	.
3.767	0.8040	2.87	.Q V	.	.	.	.
3.783	0.8080	2.87	.Q V	.	.	.	.
3.800	0.8119	2.87	.Q V	.	.	.	.
3.817	0.8159	2.87	.Q V	.	.	.	.
3.833	0.8198	2.88	.Q V	.	.	.	.
3.850	0.8238	2.88	.Q V	.	.	.	.
3.867	0.8278	2.88	.Q V	.	.	.	.
3.883	0.8317	2.88	.Q V	.	.	.	.
3.900	0.8357	2.88	.Q V	.	.	.	.
3.917	0.8397	2.88	.Q V	.	.	.	.
3.933	0.8436	2.88	.Q V	.	.	.	.
3.950	0.8476	2.89	.Q V	.	.	.	.
3.967	0.8516	2.89	.Q V	.	.	.	.
3.983	0.8556	2.89	.Q V	.	.	.	.
4.000	0.8596	2.89	.Q V	.	.	.	.
4.017	0.8635	2.89	.Q V	.	.	.	.
4.033	0.8675	2.89	.Q V	.	.	.	.
4.050	0.8715	2.90	.Q V	.	.	.	.
4.067	0.8755	2.90	.Q V	.	.	.	.
4.083	0.8795	2.90	.Q V	.	.	.	.
4.100	0.8835	2.90	.Q V	.	.	.	.
4.117	0.8875	2.91	.Q V	.	.	.	.
4.133	0.8915	2.91	.Q V	.	.	.	.
4.150	0.8955	2.91	.Q V	.	.	.	.
4.167	0.8995	2.91	.Q V	.	.	.	.
4.183	0.9035	2.91	.Q V	.	.	.	.
4.200	0.9075	2.91	.Q V	.	.	.	.
4.217	0.9116	2.92	.Q V	.	.	.	.
4.233	0.9156	2.92	.Q V	.	.	.	.
4.250	0.9196	2.92	.Q V	.	.	.	.
4.267	0.9236	2.92	.Q V	.	.	.	.
4.283	0.9276	2.92	.Q V	.	.	.	.
4.300	0.9317	2.92	.Q V	.	.	.	.
4.317	0.9357	2.92	.Q V	.	.	.	.
4.333	0.9397	2.93	.Q V	.	.	.	.
4.350	0.9437	2.93	.Q V	.	.	.	.
4.367	0.9478	2.93	.Q V	.	.	.	.
4.383	0.9518	2.93	.Q V	.	.	.	.
4.400	0.9559	2.93	.Q V	.	.	.	.
4.417	0.9599	2.94	.Q V	.	.	.	.
4.433	0.9640	2.94	.Q V	.	.	.	.
4.450	0.9680	2.94	.Q V	.	.	.	.
4.467	0.9721	2.94	.Q V	.	.	.	.
4.483	0.9761	2.95	.Q V	.	.	.	.
4.500	0.9802	2.95	.Q V	.	.	.	.
4.517	0.9842	2.95	.Q V	.	.	.	.
4.533	0.9883	2.95	.Q V	.	.	.	.
4.550	0.9924	2.95	.Q V	.	.	.	.
4.567	0.9964	2.95	.Q V	.	.	.	.
4.583	1.0005	2.95	.Q V	.	.	.	.
4.600	1.0046	2.95	.Q V	.	.	.	.
4.617	1.0086	2.96	.Q V	.	.	.	.
4.633	1.0127	2.96	.Q V	.	.	.	.
4.650	1.0168	2.96	.Q V	.	.	.	.
4.667	1.0209	2.96	.Q V	.	.	.	.
4.683	1.0250	2.97	.Q V	.	.	.	.
4.700	1.0290	2.97	.Q V	.	.	.	.
4.717	1.0331	2.97	.Q V	.	.	.	.
4.733	1.0372	2.97	.Q V	.	.	.	.
4.750	1.0413	2.98	.Q V	.	.	.	.

4.767	1.0454	2.98	.Q	V	.	.	.	.
4.783	1.0495	2.98	.Q	V	.	.	.	.
4.800	1.0536	2.98	.Q	V	.	.	.	.
4.817	1.0577	2.98	.Q	V	.	.	.	.
4.833	1.0619	2.98	.Q	V	.	.	.	.
4.850	1.0660	2.98	.Q	V	.	.	.	.
4.867	1.0701	2.99	.Q	V	.	.	.	.
4.883	1.0742	2.99	.Q	V	.	.	.	.
4.900	1.0783	2.99	.Q	V	.	.	.	.
4.917	1.0824	2.99	.Q	V	.	.	.	.
4.933	1.0865	2.99	.Q	V	.	.	.	.
4.950	1.0907	2.99	.Q	V	.	.	.	.
4.967	1.0948	3.00	.Q	V	.	.	.	.
4.983	1.0989	3.00	.Q	V	.	.	.	.
5.000	1.1031	3.00	.Q	V	.	.	.	.
5.017	1.1072	3.01	.Q	V	.	.	.	.
5.033	1.1114	3.01	.Q	V	.	.	.	.
5.050	1.1155	3.01	.Q	V	.	.	.	.
5.067	1.1197	3.01	.Q	V	.	.	.	.
5.083	1.1238	3.01	.Q	V	.	.	.	.
5.100	1.1280	3.02	.Q	V	.	.	.	.
5.117	1.1321	3.02	.Q	V	.	.	.	.
5.133	1.1363	3.02	.Q	V	.	.	.	.
5.150	1.1404	3.02	.Q	V	.	.	.	.
5.167	1.1446	3.02	.Q	V	.	.	.	.
5.183	1.1487	3.02	.Q	V	.	.	.	.
5.200	1.1529	3.02	.Q	V	.	.	.	.
5.217	1.1571	3.03	.Q	V	.	.	.	.
5.233	1.1612	3.03	.Q	V	.	.	.	.
5.250	1.1654	3.03	.Q	V	.	.	.	.
5.267	1.1696	3.03	.Q	V	.	.	.	.
5.283	1.1738	3.04	.Q	V	.	.	.	.
5.300	1.1780	3.04	.Q	V	.	.	.	.
5.317	1.1822	3.04	.Q	V	.	.	.	.
5.333	1.1864	3.04	.Q	V	.	.	.	.
5.350	1.1905	3.05	.Q	V	.	.	.	.
5.367	1.1947	3.05	.Q	V	.	.	.	.
5.383	1.1989	3.05	.Q	V	.	.	.	.
5.400	1.2032	3.05	.Q	V	.	.	.	.
5.417	1.2074	3.05	.Q	V	.	.	.	.
5.433	1.2116	3.05	.Q	V	.	.	.	.
5.450	1.2158	3.06	.Q	V	.	.	.	.
5.467	1.2200	3.06	.Q	V	.	.	.	.
5.483	1.2242	3.06	.Q	V	.	.	.	.
5.500	1.2284	3.06	.Q	V	.	.	.	.
5.517	1.2326	3.06	.Q	V	.	.	.	.
5.533	1.2369	3.06	.Q	V	.	.	.	.
5.550	1.2411	3.07	.Q	V	.	.	.	.
5.567	1.2453	3.07	.Q	V	.	.	.	.
5.583	1.2495	3.07	.Q	V	.	.	.	.
5.600	1.2538	3.08	.Q	V	.	.	.	.
5.617	1.2580	3.08	.Q	V	.	.	.	.
5.633	1.2623	3.08	.Q	V	.	.	.	.
5.650	1.2665	3.08	.Q	V	.	.	.	.
5.667	1.2708	3.09	.Q	V	.	.	.	.
5.683	1.2750	3.09	.Q	V	.	.	.	.
5.700	1.2793	3.09	.Q	V	.	.	.	.
5.717	1.2835	3.09	.Q	V	.	.	.	.
5.733	1.2878	3.09	.Q	V	.	.	.	.
5.750	1.2920	3.09	.Q	V	.	.	.	.
5.767	1.2963	3.10	.Q	V	.	.	.	.
5.783	1.3006	3.10	.Q	V	.	.	.	.
5.800	1.3048	3.10	.Q	V	.	.	.	.
5.817	1.3091	3.10	.Q	V	.	.	.	.
5.833	1.3134	3.10	.Q	V	.	.	.	.
5.850	1.3177	3.11	.Q	V	.	.	.	.
5.867	1.3220	3.11	.Q	V	.	.	.	.
5.883	1.3262	3.11	.Q	V	.	.	.	.
5.900	1.3305	3.12	.Q	V	.	.	.	.
5.917	1.3348	3.12	.Q	V	.	.	.	.
5.933	1.3391	3.12	.Q	V	.	.	.	.
5.950	1.3434	3.12	.Q	V	.	.	.	.

5.967	1.3477	3.13	.Q	V	.	.	.	.
5.983	1.3520	3.13	.Q	V	.	.	.	.
6.000	1.3564	3.13	.Q	V	.	.	.	.
6.017	1.3607	3.13	.Q	V	.	.	.	.
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6.050	1.3693	3.13	.Q	V	.	.	.	.
6.067	1.3736	3.14	.Q	V	.	.	.	.
6.083	1.3779	3.14	.Q	V	.	.	.	.
6.100	1.3823	3.14	.Q	V	.	.	.	.
6.117	1.3866	3.14	.Q	V	.	.	.	.
6.133	1.3909	3.14	.Q	V	.	.	.	.
6.150	1.3952	3.15	.Q	V	.	.	.	.
6.167	1.3996	3.15	.Q	V	.	.	.	.
6.183	1.4039	3.15	.Q	V	.	.	.	.
6.200	1.4083	3.16	.Q	V	.	.	.	.
6.217	1.4126	3.16	.Q	V	.	.	.	.
6.233	1.4170	3.16	.Q	V	.	.	.	.
6.250	1.4213	3.17	.Q	V	.	.	.	.
6.267	1.4257	3.17	.Q	V	.	.	.	.
6.283	1.4301	3.17	.Q	V	.	.	.	.
6.300	1.4344	3.17	.Q	V	.	.	.	.
6.317	1.4388	3.17	.Q	V	.	.	.	.
6.333	1.4432	3.17	.Q	V	.	.	.	.
6.350	1.4475	3.18	.Q	V	.	.	.	.
6.367	1.4519	3.18	.Q	V	.	.	.	.
6.383	1.4563	3.18	.Q	V	.	.	.	.
6.400	1.4607	3.18	.Q	V	.	.	.	.
6.417	1.4651	3.18	.Q	V	.	.	.	.
6.433	1.4695	3.19	.Q	V	.	.	.	.
6.450	1.4738	3.19	.Q	V	.	.	.	.
6.467	1.4782	3.19	.Q	V	.	.	.	.
6.483	1.4826	3.20	.Q	V	.	.	.	.
6.500	1.4870	3.20	.Q	V	.	.	.	.
6.517	1.4915	3.20	.Q	V	.	.	.	.
6.533	1.4959	3.20	.Q	V	.	.	.	.
6.550	1.5003	3.21	.Q	V	.	.	.	.
6.567	1.5047	3.21	.Q	V	.	.	.	.
6.583	1.5091	3.21	.Q	V	.	.	.	.
6.600	1.5136	3.21	.Q	V	.	.	.	.
6.617	1.5180	3.22	.Q	V	.	.	.	.
6.633	1.5224	3.22	.Q	V	.	.	.	.
6.650	1.5269	3.22	.Q	V	.	.	.	.
6.667	1.5313	3.22	.Q	V	.	.	.	.
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6.717	1.5446	3.23	. Q	V	.	.	.	.
6.733	1.5491	3.23	. Q	V	.	.	.	.
6.750	1.5535	3.23	. Q	V	.	.	.	.
6.767	1.5580	3.24	. Q	V	.	.	.	.
6.783	1.5624	3.24	. Q	V	.	.	.	.
6.800	1.5669	3.24	. Q	V	.	.	.	.
6.817	1.5714	3.25	. Q	V	.	.	.	.
6.833	1.5758	3.25	. Q	V	.	.	.	.
6.850	1.5803	3.25	. Q	V	.	.	.	.
6.867	1.5848	3.26	. Q	V	.	.	.	.
6.883	1.5893	3.26	. Q	V	.	.	.	.
6.900	1.5938	3.26	. Q	V	.	.	.	.
6.917	1.5983	3.26	. Q	V	.	.	.	.
6.933	1.6028	3.26	. Q	V	.	.	.	.
6.950	1.6073	3.26	. Q	V	.	.	.	.
6.967	1.6118	3.27	. Q	V	.	.	.	.
6.983	1.6163	3.27	. Q	V	.	.	.	.
7.000	1.6208	3.27	. Q	V	.	.	.	.
7.017	1.6253	3.27	. Q	V	.	.	.	.
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7.083	1.6433	3.29	. Q	V	.	.	.	.
7.100	1.6479	3.29	. Q	V	.	.	.	.
7.117	1.6524	3.29	. Q	V	.	.	.	.
7.133	1.6570	3.30	. Q	V	.	.	.	.
7.150	1.6615	3.30	. Q	V	.	.	.	.

```
7.167      1.6660      3.30   . Q    V  .          .          .          .
7.183      1.6706      3.30   . Q    V  .          .          .          .
7.200      1.6752      3.31   . Q    V  .          .          .          .
7.217      1.6797      3.31   . Q    V  .          .          .          .
7.233      1.6843      3.31   . Q    V  .          .          .          .
7.250      1.6888      3.31   . Q    V  .          .          .          .
7.267      1.6934      3.31   . Q    V  .          .          .          .
7.283      1.6980      3.32   . Q    V  .          .          .          .
7.300      1.7025      3.32   . Q    V  .          .          .          .
7.317      1.7071      3.32   . Q    V  .          .          .          .
7.333      1.7117      3.32   . Q    V  .          .          .          .
7.350      1.7163      3.33   . Q    V  .          .          .          .
7.367      1.7208      3.33   . Q    V  .          .          .          .
7.383      1.7254      3.33   . Q    V  .          .          .          .
7.400      1.7300      3.34   . Q    V  .          .          .          .
7.417      1.7346      3.34   . Q    V  .          .          .          .
7.433      1.7393      3.35   . Q    V  .          .          .          .
7.450      1.7439      3.35   . Q    V  .          .          .          .
7.467      1.7485      3.35   . Q    V  .          .          .          .
7.483      1.7531      3.35   . Q    V  .          .          .          .
7.500      1.7577      3.36   . Q    V  .          .          .          .
7.517      1.7623      3.36   . Q    V  .          .          .          .
7.533      1.7670      3.36   . Q    V  .          .          .          .
7.550      1.7716      3.36   . Q    V  .          .          .          .
7.567      1.7762      3.36   . Q    V  .          .          .          .
7.583      1.7809      3.37   . Q    V  .          .          .          .
7.600      1.7855      3.37   . Q    V  .          .          .          .
7.617      1.7902      3.37   . Q    V  .          .          .          .
7.633      1.7948      3.37   . Q    V  .          .          .          .
7.650      1.7995      3.38   . Q    V  .          .          .          .
7.667      1.8041      3.38   . Q    V  .          .          .          .
7.683      1.8088      3.39   . Q    V  .          .          .          .
7.700      1.8134      3.39   . Q    V  .          .          .          .
7.717      1.8181      3.39   . Q    V  .          .          .          .
7.733      1.8228      3.40   . Q    V  .          .          .          .
7.750      1.8275      3.40   . Q    V  .          .          .          .
7.767      1.8322      3.40   . Q     V .          .          .          .
7.783      1.8369      3.41   . Q     V .          .          .          .
7.800      1.8416      3.41   . Q     V .          .          .          .
7.817      1.8462      3.41   . Q     V .          .          .          .
7.833      1.8509      3.41   . Q     V .          .          .          .
7.850      1.8556      3.41   . Q     V .          .          .          .
7.867      1.8604      3.42   . Q     V .          .          .          .
7.883      1.8651      3.42   . Q     V .          .          .          .
7.900      1.8698      3.42   . Q     V .          .          .          .
7.917      1.8745      3.42   . Q     V .          .          .          .
7.933      1.8792      3.43   . Q     V .          .          .          .
7.950      1.8839      3.43   . Q     V .          .          .          .
7.967      1.8887      3.44   . Q     V .          .          .          .
7.983      1.8934      3.44   . Q     V .          .          .          .
8.000      1.8981      3.44   . Q     V .          .          .          .
8.017      1.9029      3.45   . Q     V .          .          .          .
8.033      1.9076      3.45   . Q     V .          .          .          .
8.050      1.9124      3.46   . Q     V .          .          .          .
8.067      1.9172      3.46   . Q     V .          .          .          .
8.083      1.9219      3.46   . Q     V .          .          .          .
8.100      1.9267      3.46   . Q     V .          .          .          .
8.117      1.9315      3.46   . Q     V .          .          .          .
8.133      1.9363      3.47   . Q     V .          .          .          .
8.150      1.9410      3.47   . Q     V .          .          .          .
8.167      1.9458      3.47   . Q     V .          .          .          .
8.183      1.9506      3.47   . Q     V .          .          .          .
8.200      1.9554      3.48   . Q     V .          .          .          .
8.217      1.9602      3.48   . Q     V .          .          .          .
8.233      1.9650      3.48   . Q     V .          .          .          .
8.250      1.9698      3.49   . Q     V .          .          .          .
8.267      1.9746      3.49   . Q     V .          .          .          .
8.283      1.9794      3.50   . Q     V .          .          .          .
8.300      1.9842      3.50   . Q     V .          .          .          .
8.317      1.9890      3.50   . Q     V .          .          .          .
8.333      1.9939      3.51   . Q     V .          .          .          .
8.350      1.9987      3.51   . Q     V .          .          .          .
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8.367	2.0036	3.52	.	Q	V	.	.	.
8.383	2.0084	3.52	.	Q	V	.	.	.
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8.417	2.0181	3.52	.	Q	V	.	.	.
8.433	2.0230	3.53	.	Q	V	.	.	.
8.450	2.0278	3.53	.	Q	V	.	.	.
8.467	2.0327	3.53	.	Q	V	.	.	.
8.483	2.0376	3.53	.	Q	V	.	.	.
8.500	2.0424	3.53	.	Q	V	.	.	.
8.517	2.0473	3.54	.	Q	V	.	.	.
8.533	2.0522	3.54	.	Q	V	.	.	.
8.550	2.0571	3.55	.	Q	V	.	.	.
8.567	2.0620	3.55	.	Q	V.	.	.	.
8.583	2.0668	3.56	.	Q	V.	.	.	.
8.600	2.0718	3.56	.	Q	V.	.	.	.
8.617	2.0767	3.56	.	Q	V.	.	.	.
8.633	2.0816	3.57	.	Q	V.	.	.	.
8.650	2.0865	3.57	.	Q	V.	.	.	.
8.667	2.0914	3.58	.	Q	V.	.	.	.
8.683	2.0964	3.58	.	Q	V.	.	.	.
8.700	2.1013	3.58	.	Q	V.	.	.	.
8.717	2.1062	3.58	.	Q	V.	.	.	.
8.733	2.1112	3.59	.	Q	V.	.	.	.
8.750	2.1161	3.59	.	Q	V.	.	.	.
8.767	2.1211	3.59	.	Q	V.	.	.	.
8.783	2.1260	3.59	.	Q	V.	.	.	.
8.800	2.1310	3.60	.	Q	V.	.	.	.
8.817	2.1359	3.60	.	Q	V.	.	.	.
8.833	2.1409	3.60	.	Q	V.	.	.	.
8.850	2.1459	3.61	.	Q	V.	.	.	.
8.867	2.1508	3.61	.	Q	V.	.	.	.
8.883	2.1558	3.62	.	Q	V.	.	.	.
8.900	2.1608	3.62	.	Q	V.	.	.	.
8.917	2.1658	3.63	.	Q	V.	.	.	.
8.933	2.1708	3.63	.	Q	V.	.	.	.
8.950	2.1758	3.64	.	Q	V.	.	.	.
8.967	2.1808	3.64	.	Q	V.	.	.	.
8.983	2.1859	3.64	.	Q	V.	.	.	.
9.000	2.1909	3.65	.	Q	V.	.	.	.
9.017	2.1959	3.65	.	Q	V.	.	.	.
9.033	2.2009	3.65	.	Q	V.	.	.	.
9.050	2.2060	3.65	.	Q	V.	.	.	.
9.067	2.2110	3.66	.	Q	V.	.	.	.
9.083	2.2161	3.66	.	Q	V.	.	.	.
9.100	2.2211	3.66	.	Q	V.	.	.	.
9.117	2.2262	3.67	.	Q	V.	.	.	.
9.133	2.2312	3.67	.	Q	V.	.	.	.
9.150	2.2363	3.68	.	Q	V.	.	.	.
9.167	2.2413	3.68	.	Q	V.	.	.	.
9.183	2.2464	3.69	.	Q	V.	.	.	.
9.200	2.2515	3.69	.	Q	V.	.	.	.
9.217	2.2566	3.70	.	Q	V.	.	.	.
9.233	2.2617	3.70	.	Q	V.	.	.	.
9.250	2.2668	3.71	.	Q	V.	.	.	.
9.267	2.2719	3.71	.	Q	V.	.	.	.
9.283	2.2770	3.71	.	Q	V.	.	.	.
9.300	2.2821	3.72	.	Q	V.	.	.	.
9.317	2.2873	3.72	.	Q	V	.	.	.
9.333	2.2924	3.72	.	Q	V	.	.	.
9.350	2.2975	3.72	.	Q	V	.	.	.
9.367	2.3027	3.73	.	Q	V	.	.	.
9.383	2.3078	3.73	.	Q	V	.	.	.
9.400	2.3129	3.73	.	Q	V	.	.	.
9.417	2.3181	3.74	.	Q	V	.	.	.
9.433	2.3232	3.74	.	Q	V	.	.	.
9.450	2.3284	3.75	.	Q	V	.	.	.
9.467	2.3336	3.75	.	Q	V	.	.	.
9.483	2.3387	3.76	.	Q	V	.	.	.
9.500	2.3439	3.76	.	Q	V	.	.	.
9.517	2.3491	3.77	.	Q	V	.	.	.
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9.550	2.3595	3.78	.	Q	V	.	.	.

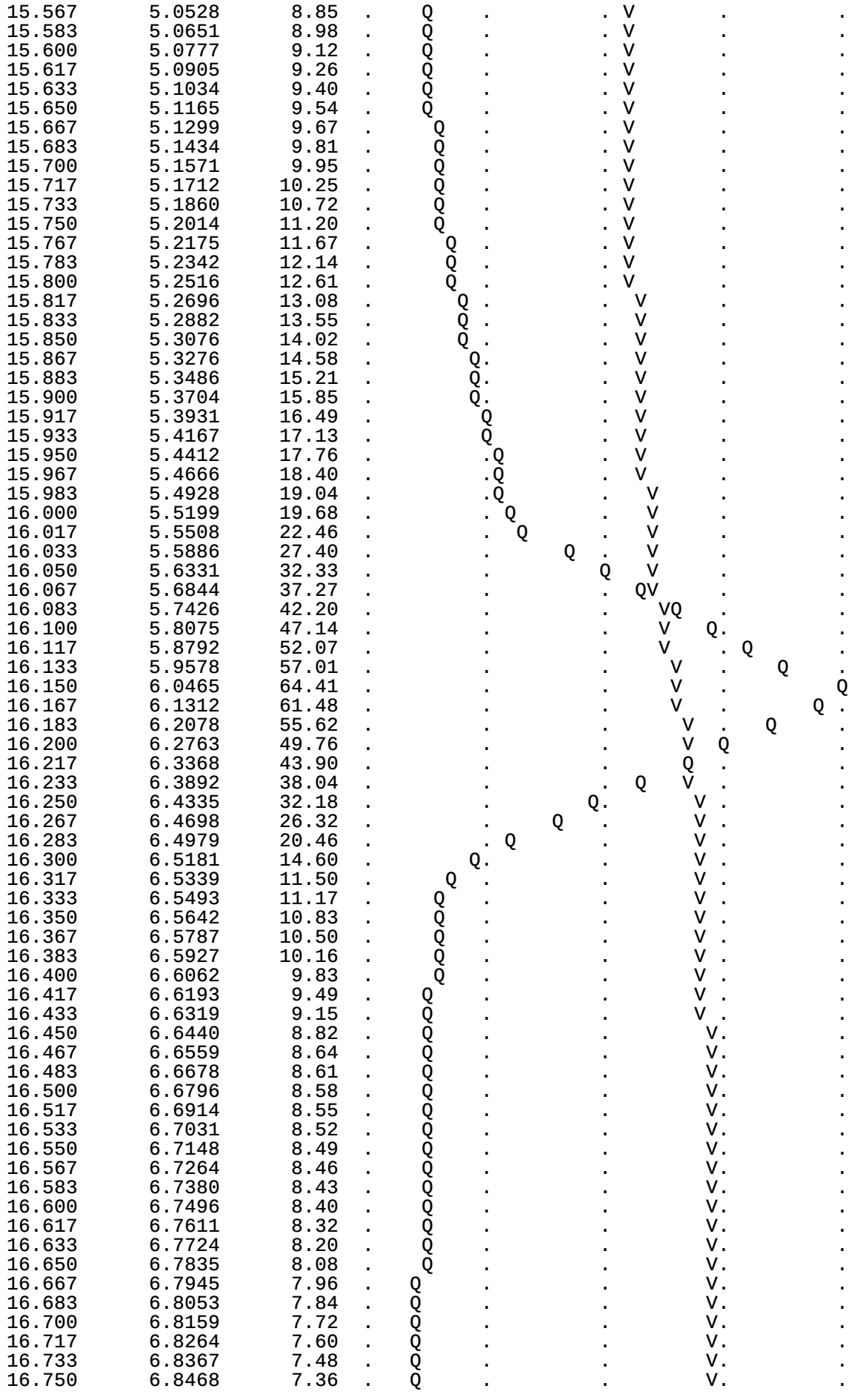
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9.583	2.3699	3.79	.	Q	V	.	.	.
9.600	2.3752	3.79	.	Q	V	.	.	.
9.617	2.3804	3.79	.	Q	V	.	.	.
9.633	2.3856	3.80	.	Q	V	.	.	.
9.650	2.3909	3.80	.	Q	V	.	.	.
9.667	2.3961	3.80	.	Q	V	.	.	.
9.683	2.4013	3.80	.	Q	V	.	.	.
9.700	2.4066	3.81	.	Q	V	.	.	.
9.717	2.4118	3.81	.	Q	V	.	.	.
9.733	2.4171	3.82	.	Q	V	.	.	.
9.750	2.4223	3.82	.	Q	V	.	.	.
9.767	2.4276	3.83	.	Q	V	.	.	.
9.783	2.4329	3.83	.	Q	V	.	.	.
9.800	2.4382	3.84	.	Q	V	.	.	.
9.817	2.4435	3.85	.	Q	V	.	.	.
9.833	2.4488	3.85	.	Q	V	.	.	.
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9.900	2.4701	3.87	.	Q	V	.	.	.
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9.933	2.4807	3.87	.	Q	V	.	.	.
9.950	2.4861	3.88	.	Q	V	.	.	.
9.967	2.4914	3.88	.	Q	V	.	.	.
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10.183	2.5615	3.95	.	Q	.V	.	.	.
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10.217	2.5724	3.96	.	Q	.V	.	.	.
10.233	2.5779	3.96	.	Q	.V	.	.	.
10.250	2.5833	3.96	.	Q	.V	.	.	.
10.267	2.5888	3.97	.	Q	.V	.	.	.
10.283	2.5943	3.97	.	Q	.V	.	.	.
10.300	2.5997	3.97	.	Q	.V	.	.	.
10.317	2.6052	3.98	.	Q	.V	.	.	.
10.333	2.6107	3.98	.	Q	.V	.	.	.
10.350	2.6162	3.99	.	Q	.V	.	.	.
10.367	2.6217	4.00	.	Q	.V	.	.	.
10.383	2.6272	4.00	.	Q	.V	.	.	.
10.400	2.6328	4.01	.	Q	.V	.	.	.
10.417	2.6383	4.02	.	Q	.V	.	.	.
10.433	2.6438	4.02	.	Q	.V	.	.	.
10.450	2.6494	4.03	.	Q	.V	.	.	.
10.467	2.6549	4.04	.	Q	.V	.	.	.
10.483	2.6605	4.04	.	Q	.V	.	.	.
10.500	2.6661	4.04	.	Q	.V	.	.	.
10.517	2.6716	4.05	.	Q	.V	.	.	.
10.533	2.6772	4.05	.	Q	.V	.	.	.
10.550	2.6828	4.05	.	Q	.V	.	.	.
10.567	2.6884	4.06	.	Q	.V	.	.	.
10.583	2.6940	4.06	.	Q	.V	.	.	.
10.600	2.6996	4.06	.	Q	.V	.	.	.
10.617	2.7052	4.07	.	Q	.V	.	.	.
10.633	2.7108	4.08	.	Q	.V	.	.	.
10.650	2.7164	4.08	.	Q	.V	.	.	.
10.667	2.7221	4.09	.	Q	.V	.	.	.
10.683	2.7277	4.10	.	Q	.V	.	.	.
10.700	2.7334	4.11	.	Q	.V	.	.	.
10.717	2.7390	4.11	.	Q	.V	.	.	.
10.733	2.7447	4.12	.	Q	. V	.	.	.
10.750	2.7504	4.13	.	Q	. V	.	.	.

10.767	2.7561	4.13	. Q	. V	.	.	.
10.783	2.7618	4.14	. Q	. V	.	.	.
10.800	2.7675	4.14	. Q	. V	.	.	.
10.817	2.7732	4.14	. Q	. V	.	.	.
10.833	2.7789	4.15	. Q	. V	.	.	.
10.850	2.7846	4.15	. Q	. V	.	.	.
10.867	2.7904	4.16	. Q	. V	.	.	.
10.883	2.7961	4.16	. Q	. V	.	.	.
10.900	2.8018	4.16	. Q	. V	.	.	.
10.917	2.8076	4.17	. Q	. V	.	.	.
10.933	2.8133	4.18	. Q	. V	.	.	.
10.950	2.8191	4.18	. Q	. V	.	.	.
10.967	2.8249	4.19	. Q	. V	.	.	.
10.983	2.8306	4.20	. Q	. V	.	.	.
11.000	2.8364	4.21	. Q	. V	.	.	.
11.017	2.8422	4.22	. Q	. V	.	.	.
11.033	2.8481	4.22	. Q	. V	.	.	.
11.050	2.8539	4.23	. Q	. V	.	.	.
11.067	2.8597	4.24	. Q	. V	.	.	.
11.083	2.8656	4.24	. Q	. V	.	.	.
11.100	2.8714	4.25	. Q	. V	.	.	.
11.117	2.8773	4.25	. Q	. V	.	.	.
11.133	2.8831	4.25	. Q	. V	.	.	.
11.150	2.8890	4.26	. Q	. V	.	.	.
11.167	2.8949	4.26	. Q	. V	.	.	.
11.183	2.9008	4.27	. Q	. V	.	.	.
11.200	2.9066	4.27	. Q	. V	.	.	.
11.217	2.9125	4.28	. Q	. V	.	.	.
11.233	2.9184	4.29	. Q	. V	.	.	.
11.250	2.9243	4.29	. Q	. V	.	.	.
11.267	2.9303	4.30	. Q	. V	.	.	.
11.283	2.9362	4.31	. Q	. V	.	.	.
11.300	2.9422	4.32	. Q	. V	.	.	.
11.317	2.9481	4.33	. Q	. V	.	.	.
11.333	2.9541	4.34	. Q	. V	.	.	.
11.350	2.9601	4.35	. Q	. V	.	.	.
11.367	2.9661	4.35	. Q	. V	.	.	.
11.383	2.9721	4.36	. Q	. V	.	.	.
11.400	2.9781	4.36	. Q	. V	.	.	.
11.417	2.9841	4.37	. Q	. V	.	.	.
11.433	2.9901	4.37	. Q	. V	.	.	.
11.450	2.9962	4.38	. Q	. V	.	.	.
11.467	3.0022	4.38	. Q	. V	.	.	.
11.483	3.0082	4.38	. Q	. V	.	.	.
11.500	3.0143	4.39	. Q	. V	.	.	.
11.517	3.0203	4.40	. Q	. V	.	.	.
11.533	3.0264	4.41	. Q	. V	.	.	.
11.550	3.0325	4.41	. Q	. V	.	.	.
11.567	3.0386	4.42	. Q	. V	.	.	.
11.583	3.0447	4.43	. Q	. V	.	.	.
11.600	3.0508	4.44	. Q	. V	.	.	.
11.617	3.0569	4.45	. Q	. V	.	.	.
11.633	3.0631	4.46	. Q	. V	.	.	.
11.650	3.0692	4.47	. Q	. V	.	.	.
11.667	3.0754	4.48	. Q	. V	.	.	.
11.683	3.0816	4.48	. Q	. V	.	.	.
11.700	3.0878	4.49	. Q	. V	.	.	.
11.717	3.0940	4.49	. Q	. V	.	.	.
11.733	3.1002	4.50	. Q	. V	.	.	.
11.750	3.1064	4.50	. Q	. V	.	.	.
11.767	3.1126	4.51	. Q	. V	.	.	.
11.783	3.1188	4.51	. Q	. V	.	.	.
11.800	3.1250	4.52	. Q	. V	.	.	.
11.817	3.1312	4.53	. Q	. V	.	.	.
11.833	3.1375	4.54	. Q	. V	.	.	.
11.850	3.1438	4.55	. Q	. V	.	.	.
11.867	3.1500	4.56	. Q	. V	.	.	.
11.883	3.1563	4.57	. Q	. V	.	.	.
11.900	3.1626	4.58	. Q	. V	.	.	.
11.917	3.1690	4.59	. Q	. V	.	.	.
11.933	3.1753	4.60	. Q	. V	.	.	.
11.950	3.1816	4.61	. Q	. V	.	.	.

11.967	3.1880	4.62	. Q	. V	.	.	.	
11.983	3.1944	4.62	. Q	. V	.	.	.	
12.000	3.2007	4.63	. Q	. V	.	.	.	
12.017	3.2071	4.63	. Q	. V	.	.	.	
12.033	3.2135	4.64	. Q	. V	.	.	.	
12.050	3.2199	4.64	. Q	. V	.	.	.	
12.067	3.2263	4.65	. Q	. V	.	.	.	
12.083	3.2327	4.66	. Q	. V	.	.	.	
12.100	3.2391	4.66	. Q	. V	.	.	.	
12.117	3.2456	4.68	. Q	. V	.	.	.	
12.133	3.2521	4.71	. Q	. V	.	.	.	
12.150	3.2586	4.74	. Q	. V	.	.	.	
12.167	3.2652	4.77	. Q	. V	.	.	.	
12.183	3.2718	4.80	. Q	. V	.	.	.	
12.200	3.2784	4.83	. Q	. V	.	.	.	
12.217	3.2851	4.86	. Q	. V	.	.	.	
12.233	3.2919	4.89	. Q	. V	.	.	.	
12.250	3.2987	4.92	. Q	. V	.	.	.	
12.267	3.3055	4.94	. Q	. V	.	.	.	
12.283	3.3123	4.95	. Q	. V	.	.	.	
12.300	3.3191	4.95	. Q	. V	.	.	.	
12.317	3.3259	4.96	. Q	. V	.	.	.	
12.333	3.3328	4.97	. Q	. V	.	.	.	
12.350	3.3396	4.97	. Q	. V	.	.	.	
12.367	3.3465	4.98	. Q	. V	.	.	.	
12.383	3.3533	4.98	. Q	. V	.	.	.	
12.400	3.3602	4.99	. Q	. V	.	.	.	
12.417	3.3671	5.00	. Q	. V	.	.	.	
12.433	3.3740	5.01	. Q	. V	.	.	.	
12.450	3.3809	5.02	. Q	. V	.	.	.	
12.467	3.3879	5.04	. Q	. V	.	.	.	
12.483	3.3948	5.05	. Q	. V	.	.	.	
12.500	3.4018	5.06	. Q	. V	.	.	.	
12.517	3.4088	5.08	. Q	. V	.	.	.	
12.533	3.4158	5.09	. Q	. V	.	.	.	
12.550	3.4228	5.10	. Q	. V	.	.	.	
12.567	3.4299	5.11	. Q	. V	.	.	.	
12.583	3.4369	5.12	. Q	. V	.	.	.	
12.600	3.4440	5.12	. Q	. V	.	.	.	
12.617	3.4510	5.13	. Q	. V	.	.	.	
12.633	3.4581	5.14	. Q	. V	.	.	.	
12.650	3.4652	5.14	. Q	. V	.	.	.	
12.667	3.4723	5.15	. Q	. V	.	.	.	
12.683	3.4794	5.16	. Q	. V	.	.	.	
12.700	3.4865	5.16	. Q	. V	.	.	.	
12.717	3.4936	5.18	. Q	. V	.	.	.	
12.733	3.5008	5.19	. Q	. V	.	.	.	
12.750	3.5079	5.20	. Q	. V	.	.	.	
12.767	3.5151	5.22	. Q	. V	.	.	.	
12.783	3.5223	5.23	. Q	. V	.	.	.	
12.800	3.5296	5.25	. Q	. V	.	.	.	
12.817	3.5368	5.26	. Q	. V	.	.	.	
12.833	3.5441	5.28	. Q	. V	.	.	.	
12.850	3.5514	5.29	. Q	. V	.	.	.	
12.867	3.5587	5.30	. Q	. V	.	.	.	
12.883	3.5660	5.31	. Q	. V	.	.	.	
12.900	3.5733	5.32	. Q	. V	.	.	.	
12.917	3.5806	5.32	. Q	. V	.	.	.	
12.933	3.5880	5.33	. Q	. V	.	.	.	
12.950	3.5953	5.34	. Q	. V	.	.	.	
12.967	3.6027	5.35	. Q	. V	.	.	.	
12.983	3.6101	5.36	. Q	. V	.	.	.	
13.000	3.6175	5.36	. Q	. V	.	.	.	
13.017	3.6249	5.38	. Q	. V	.	.	.	
13.033	3.6323	5.39	. Q	. V	.	.	.	
13.050	3.6398	5.41	. Q	. V	.	.	.	
13.067	3.6472	5.42	. Q	. V	.	.	.	
13.083	3.6547	5.44	. Q	. V	.	.	.	
13.100	3.6622	5.46	. Q	. V	.	.	.	
13.117	3.6698	5.47	. Q	. V	.	.	.	
13.133	3.6773	5.49	. Q	. V	.	.	.	
13.150	3.6849	5.51	. Q	. V	.	.	.	

13.167	3.6925	5.52	.	Q	.	V	.	.	.	
13.183	3.7001	5.53	.	Q	.	V	.	.	.	
13.200	3.7078	5.54	.	Q	.	V	.	.	.	
13.217	3.7154	5.55	.	Q	.	V	.	.	.	
13.233	3.7231	5.55	.	Q	.	V	.	.	.	
13.250	3.7307	5.56	.	Q	.	V	.	.	.	
13.267	3.7384	5.57	.	Q	.	V	.	.	.	
13.283	3.7461	5.58	.	Q	.	V	.	.	.	
13.300	3.7538	5.59	.	Q	.	V	.	.	.	
13.317	3.7615	5.60	.	Q	.	V	.	.	.	
13.333	3.7692	5.62	.	Q	.	V	.	.	.	
13.350	3.7770	5.64	.	Q	.	V	.	.	.	
13.367	3.7848	5.66	.	Q	.	V	.	.	.	
13.383	3.7926	5.68	.	Q	.	V	.	.	.	
13.400	3.8005	5.70	.	Q	.	V	.	.	.	
13.417	3.8084	5.72	.	Q	.	V	.	.	.	
13.433	3.8163	5.74	.	Q	.	V	.	.	.	
13.450	3.8242	5.76	.	Q	.	V	.	.	.	
13.467	3.8321	5.77	.	Q	.	V	.	.	.	
13.483	3.8401	5.78	.	Q	.	V	.	.	.	
13.500	3.8481	5.79	.	Q	.	V	.	.	.	
13.517	3.8561	5.80	.	Q	.	V	.	.	.	
13.533	3.8641	5.81	.	Q	.	V	.	.	.	
13.550	3.8721	5.82	.	Q	.	V	.	.	.	
13.567	3.8801	5.83	.	Q	.	V	.	.	.	
13.583	3.8882	5.84	.	Q	.	V	.	.	.	
13.600	3.8963	5.85	.	Q	.	V	.	.	.	
13.617	3.9043	5.87	.	Q	.	V	.	.	.	
13.633	3.9125	5.89	.	Q	.	V	.	.	.	
13.650	3.9206	5.92	.	Q	.	V	.	.	.	
13.667	3.9288	5.94	.	Q	.	V	.	.	.	
13.683	3.9370	5.96	.	Q	.	V	.	.	.	
13.700	3.9452	5.98	.	Q	.	V	.	.	.	
13.717	3.9535	6.00	.	Q	.	V	.	.	.	
13.733	3.9618	6.03	.	Q	.	V	.	.	.	
13.750	3.9701	6.05	.	Q	.	V	.	.	.	
13.767	3.9785	6.07	.	Q	.	V	.	.	.	
13.783	3.9869	6.08	.	Q	.	V	.	.	.	
13.800	3.9953	6.09	.	Q	.	V	.	.	.	
13.817	4.0037	6.10	.	Q	.	V	.	.	.	
13.833	4.0121	6.12	.	Q	.	V	.	.	.	
13.850	4.0205	6.13	.	Q	.	V	.	.	.	
13.867	4.0290	6.14	.	Q	.	V	.	.	.	
13.883	4.0375	6.15	.	Q	.	V	.	.	.	
13.900	4.0460	6.17	.	Q	.	V	.	.	.	
13.917	4.0545	6.18	.	Q	.	V	.	.	.	
13.933	4.0630	6.21	.	Q	.	V	.	.	.	
13.950	4.0716	6.24	.	Q	.	V	.	.	.	
13.967	4.0803	6.27	.	Q	.	V	.	.	.	
13.983	4.0889	6.29	.	Q	.	V	.	.	.	
14.000	4.0976	6.32	.	Q	.	V	.	.	.	
14.017	4.1064	6.35	.	Q	.	V	.	.	.	
14.033	4.1152	6.37	.	Q	.	V	.	.	.	
14.050	4.1240	6.40	.	Q	.	V	.	.	.	
14.067	4.1328	6.39	.	Q	.	V	.	.	.	
14.083	4.1415	6.33	.	Q	.	V	.	.	.	
14.100	4.1501	6.28	.	Q	.	V	.	.	.	
14.117	4.1587	6.22	.	Q	.	V	.	.	.	
14.133	4.1672	6.17	.	Q	.	V	.	.	.	
14.150	4.1756	6.11	.	Q	.	V	.	.	.	
14.167	4.1840	6.06	.	Q	.	V	.	.	.	
14.183	4.1922	6.00	.	Q	.	V	.	.	.	
14.200	4.2004	5.95	.	Q	.	V	.	.	.	
14.217	4.2086	5.93	.	Q	.	V	.	.	.	
14.233	4.2168	5.97	.	Q	.	V	.	.	.	
14.250	4.2251	6.00	.	Q	.	V	.	.	.	
14.267	4.2334	6.04	.	Q	.	V	.	.	.	
14.283	4.2418	6.07	.	Q	.	V	.	.	.	
14.300	4.2502	6.11	.	Q	.	V	.	.	.	
14.317	4.2586	6.14	.	Q	.	V	.	.	.	
14.333	4.2671	6.18	.	Q	.	V	.	.	.	
14.350	4.2757	6.21	.	Q	.	V	.	.	.	

14.367	4.2843	6.24	.	Q	.	V	.	.	.	.
14.383	4.2929	6.26	.	Q	.	V	.	.	.	.
14.400	4.3015	6.28	.	Q	.	V	.	.	.	.
14.417	4.3102	6.30	.	Q	.	V	.	.	.	.
14.433	4.3189	6.32	.	Q	.	V	.	.	.	.
14.450	4.3276	6.34	.	Q	.	V	.	.	.	.
14.467	4.3364	6.35	.	Q	.	V	.	.	.	.
14.483	4.3452	6.37	.	Q	.	V.	.	.	.	.
14.500	4.3540	6.39	.	Q	.	V.	.	.	.	.
14.517	4.3628	6.43	.	Q	.	V.	.	.	.	.
14.533	4.3717	6.47	.	Q	.	V.	.	.	.	.
14.550	4.3807	6.52	.	Q	.	V.	.	.	.	.
14.567	4.3898	6.56	.	Q	.	V.	.	.	.	.
14.583	4.3988	6.60	.	Q	.	V.	.	.	.	.
14.600	4.4080	6.65	.	Q	.	V.	.	.	.	.
14.617	4.4172	6.69	.	Q	.	V.	.	.	.	.
14.633	4.4265	6.74	.	Q	.	V.	.	.	.	.
14.650	4.4359	6.78	.	Q	.	V.	.	.	.	.
14.667	4.4453	6.82	.	Q	.	V.	.	.	.	.
14.683	4.4547	6.85	.	Q	.	V.	.	.	.	.
14.700	4.4641	6.87	.	Q	.	V.	.	.	.	.
14.717	4.4736	6.90	.	Q	.	V.	.	.	.	.
14.733	4.4832	6.92	.	Q	.	V.	.	.	.	.
14.750	4.4928	6.95	.	Q	.	V.	.	.	.	.
14.767	4.5024	6.98	.	Q	.	V.	.	.	.	.
14.783	4.5120	7.00	.	Q	.	V.	.	.	.	.
14.800	4.5217	7.03	.	Q	.	V.	.	.	.	.
14.817	4.5314	7.07	.	Q	.	V.	.	.	.	.
14.833	4.5412	7.13	.	Q	.	V.	.	.	.	.
14.850	4.5512	7.19	.	Q	.	V.	.	.	.	.
14.867	4.5612	7.26	.	Q	.	V.	.	.	.	.
14.883	4.5712	7.32	.	Q	.	V.	.	.	.	.
14.900	4.5814	7.38	.	Q	.	V	.	.	.	.
14.917	4.5916	7.44	.	Q	.	V	.	.	.	.
14.933	4.6020	7.50	.	Q	.	V	.	.	.	.
14.950	4.6124	7.56	.	Q	.	V	.	.	.	.
14.967	4.6229	7.61	.	Q	.	V	.	.	.	.
14.983	4.6334	7.65	.	Q	.	V	.	.	.	.
15.000	4.6440	7.69	.	Q	.	V	.	.	.	.
15.017	4.6547	7.73	.	Q	.	V	.	.	.	.
15.033	4.6654	7.77	.	Q	.	V	.	.	.	.
15.050	4.6761	7.81	.	Q	.	V	.	.	.	.
15.067	4.6869	7.85	.	Q	.	V	.	.	.	.
15.083	4.6978	7.89	.	Q	.	V	.	.	.	.
15.100	4.7087	7.93	.	Q	.	V	.	.	.	.
15.117	4.7197	8.00	.	Q	.	V	.	.	.	.
15.133	4.7309	8.10	.	Q	.	V	.	.	.	.
15.150	4.7422	8.21	.	Q	.	V	.	.	.	.
15.167	4.7537	8.32	.	Q	.	V	.	.	.	.
15.183	4.7653	8.42	.	Q	.	V	.	.	.	.
15.200	4.7770	8.53	.	Q	.	V	.	.	.	.
15.217	4.7889	8.63	.	Q	.	V	.	.	.	.
15.233	4.8009	8.74	.	Q	.	V	.	.	.	.
15.250	4.8131	8.85	.	Q	.	.V	.	.	.	.
15.267	4.8254	8.93	.	Q	.	.V	.	.	.	.
15.283	4.8378	9.00	.	Q	.	.V	.	.	.	.
15.300	4.8503	9.07	.	Q	.	.V	.	.	.	.
15.317	4.8629	9.14	.	Q	.	.V	.	.	.	.
15.333	4.8756	9.20	.	Q	.	.V	.	.	.	.
15.350	4.8884	9.27	.	Q	.	.V	.	.	.	.
15.367	4.9012	9.34	.	Q	.	.V	.	.	.	.
15.383	4.9142	9.41	.	Q	.	.V	.	.	.	.
15.400	4.9272	9.48	.	Q	.	.V	.	.	.	.
15.417	4.9403	9.47	.	Q	.	.V	.	.	.	.
15.433	4.9532	9.39	.	Q	.	.V	.	.	.	.
15.450	4.9660	9.31	.	Q	.	.V	.	.	.	.
15.467	4.9787	9.23	.	Q	.	.V	.	.	.	.
15.483	4.9913	9.14	.	Q	.	.V	.	.	.	.
15.500	5.0038	9.06	.	Q	.	.V	.	.	.	.
15.517	5.0162	8.98	.	Q	.	.V	.	.	.	.
15.533	5.0284	8.90	.	Q	.	.V	.	.	.	.
15.550	5.0406	8.82	.	Q	.	. V	.	.	.	.


15.567 5.0528 8.85
15.583 5.0651 8.98
15.600 5.0777 9.12
15.617 5.0905 9.26
15.633 5.1034 9.40
15.650 5.1165 9.54
15.667 5.1299 9.67
15.683 5.1434 9.81
15.700 5.1571 9.95
15.717 5.1712 10.25
15.733 5.1860 10.72
15.750 5.2014 11.20
15.767 5.2175 11.67
15.783 5.2342 12.14
15.800 5.2516 12.61
15.817 5.2696 13.08
15.833 5.2882 13.55
15.850 5.3076 14.02
15.867 5.3276 14.58
15.883 5.3486 15.21
15.900 5.3704 15.85
15.917 5.3931 16.49
15.933 5.4167 17.13
15.950 5.4412 17.76
15.967 5.4666 18.40
15.983 5.4928 19.04
16.000 5.5199 19.68
16.017 5.5508 22.46
16.033 5.5886 27.40
16.050 5.6331 32.33
16.067 5.6844 37.27
16.083 5.7426 42.20
16.100 5.8075 47.14
16.117 5.8792 52.07
16.133 5.9578 57.01
16.150 6.0465 64.41
16.167 6.1312 61.48
16.183 6.2078 55.62
16.200 6.2763 49.76
16.217 6.3368 43.90
16.233 6.3892 38.04
16.250 6.4335 32.18
16.267 6.4698 26.32
16.283 6.4979 20.46
16.300 6.5181 14.60
16.317 6.5339 11.50
16.333 6.5493 11.17
16.350 6.5642 10.83
16.367 6.5787 10.50
16.383 6.5927 10.16
16.400 6.6062 9.83
16.417 6.6193 9.49
16.433 6.6319 9.15
16.450 6.6440 8.82
16.467 6.6559 8.64
16.483 6.6678 8.61
16.500 6.6796 8.58
16.517 6.6914 8.55
16.533 6.7031 8.52
16.550 6.7148 8.49
16.567 6.7264 8.46
16.583 6.7380 8.43
16.600 6.7496 8.40
16.617 6.7611 8.32
16.633 6.7724 8.20
16.650 6.7835 8.08
16.667 6.7945 7.96
16.683 6.8053 7.84
16.700 6.8159 7.72
16.717 6.8264 7.60
16.733 6.8367 7.48
16.750 6.8468 7.36

16.767	6.8568	7.26	.	Q	.	.	V.	.
16.783	6.8667	7.18	.	Q	.	.	V	.
16.800	6.8765	7.10	.	Q	.	.	V	.
16.817	6.8862	7.03	.	Q	.	.	V	.
16.833	6.8958	6.95	.	Q	.	.	V	.
16.850	6.9052	6.87	.	Q	.	.	V	.
16.867	6.9146	6.79	.	Q	.	.	V	.
16.883	6.9238	6.71	.	Q	.	.	V	.
16.900	6.9330	6.63	.	Q	.	.	V	.
16.917	6.9420	6.57	.	Q	.	.	V	.
16.933	6.9510	6.51	.	Q	.	.	V	.
16.950	6.9599	6.45	.	Q	.	.	V	.
16.967	6.9687	6.39	.	Q	.	.	V	.
16.983	6.9774	6.33	.	Q	.	.	V	.
17.000	6.9860	6.27	.	Q	.	.	V	.
17.017	6.9946	6.21	.	Q	.	.	V	.
17.033	7.0031	6.15	.	Q	.	.	V	.
17.050	7.0115	6.10	.	Q	.	.	V	.
17.067	7.0198	6.08	.	Q	.	.	V	.
17.083	7.0282	6.10	.	Q	.	.	V	.
17.100	7.0367	6.13	.	Q	.	.	V	.
17.117	7.0452	6.15	.	Q	.	.	V	.
17.133	7.0537	6.18	.	Q	.	.	V	.
17.150	7.0622	6.20	.	Q	.	.	V	.
17.167	7.0708	6.23	.	Q	.	.	V	.
17.183	7.0794	6.25	.	Q	.	.	V	.
17.200	7.0880	6.28	.	Q	.	.	V	.
17.217	7.0967	6.27	.	Q	.	.	.V	.
17.233	7.1053	6.23	.	Q	.	.	.V	.
17.250	7.1138	6.20	.	Q	.	.	.V	.
17.267	7.1223	6.16	.	Q	.	.	.V	.
17.283	7.1307	6.12	.	Q	.	.	.V	.
17.300	7.1391	6.09	.	Q	.	.	.V	.
17.317	7.1474	6.05	.	Q	.	.	.V	.
17.333	7.1557	6.01	.	Q	.	.	.V	.
17.350	7.1639	5.98	.	Q	.	.	.V	.
17.367	7.1721	5.94	.	Q	.	.	.V	.
17.383	7.1803	5.91	.	Q	.	.	.V	.
17.400	7.1884	5.88	.	Q	.	.	.V	.
17.417	7.1964	5.85	.	Q	.	.	.V	.
17.433	7.2044	5.82	.	Q	.	.	.V	.
17.450	7.2124	5.79	.	Q	.	.	.V	.
17.467	7.2203	5.76	.	Q	.	.	.V	.
17.483	7.2282	5.72	.	Q	.	.	.V	.
17.500	7.2361	5.69	.	Q	.	.	.V	.
17.517	7.2439	5.66	.	Q	.	.	.V	.
17.533	7.2516	5.64	.	Q	.	.	.V	.
17.550	7.2594	5.61	.	Q	.	.	.V	.
17.567	7.2671	5.59	.	Q	.	.	.V	.
17.583	7.2747	5.56	.	Q	.	.	.V	.
17.600	7.2823	5.53	.	Q	.	.	.V	.
17.617	7.2899	5.51	.	Q	.	.	.V	.
17.633	7.2975	5.48	.	Q	.	.	.V	.
17.650	7.3050	5.45	.	Q	.	.	.V	.
17.667	7.3125	5.43	.	Q	.	.	.V	.
17.683	7.3199	5.40	.	Q	.	.	. V	.
17.700	7.3273	5.38	.	Q	.	.	. V	.
17.717	7.3347	5.36	.	Q	.	.	. V	.
17.733	7.3420	5.34	.	Q	.	.	. V	.
17.750	7.3494	5.31	.	Q	.	.	. V	.
17.767	7.3566	5.29	.	Q	.	.	. V	.
17.783	7.3639	5.27	.	Q	.	.	. V	.
17.800	7.3711	5.24	.	Q	.	.	. V	.
17.817	7.3783	5.22	.	Q	.	.	. V	.
17.833	7.3855	5.20	.	Q	.	.	. V	.
17.850	7.3926	5.18	.	Q	.	.	. V	.
17.867	7.3997	5.16	.	Q	.	.	. V	.
17.883	7.4068	5.14	.	Q	.	.	. V	.
17.900	7.4138	5.12	.	Q	.	.	. V	.
17.917	7.4209	5.10	.	Q	.	.	. V	.
17.933	7.4279	5.08	.	Q	.	.	. V	.
17.950	7.4348	5.06	.	Q	.	.	. V	.

17.967	7.4418	5.04	.	Q	.	.	.	V	.
17.983	7.4487	5.02	.	Q	.	.	.	V	.
18.000	7.4556	5.00	.	Q	.	.	.	V	.
18.017	7.4625	4.99	.	Q	.	.	.	V	.
18.033	7.4693	4.97	.	Q	.	.	.	V	.
18.050	7.4761	4.95	.	Q	.	.	.	V	.
18.067	7.4829	4.93	.	Q	.	.	.	V	.
18.083	7.4897	4.91	.	Q	.	.	.	V	.
18.100	7.4964	4.89	.	Q	.	.	.	V	.
18.117	7.5031	4.87	.	Q	.	.	.	V	.
18.133	7.5098	4.83	.	Q	.	.	.	V	.
18.150	7.5164	4.80	.	Q	.	.	.	V	.
18.167	7.5229	4.76	.	Q	.	.	.	V	.
18.183	7.5294	4.73	.	Q	.	.	.	V	.
18.200	7.5359	4.69	.	Q	.	.	.	V	.
18.217	7.5423	4.66	.	Q	.	.	.	V	.
18.233	7.5487	4.62	.	Q	.	.	.	V	.
18.250	7.5550	4.58	.	Q	.	.	.	V	.
18.267	7.5613	4.56	.	Q	.	.	.	V	.
18.283	7.5675	4.54	.	Q	.	.	.	V	.
18.300	7.5738	4.53	.	Q	.	.	.	V	.
18.317	7.5800	4.51	.	Q	.	.	.	V	.
18.333	7.5862	4.50	.	Q	.	.	.	V	.
18.350	7.5924	4.49	.	Q	.	.	.	V	.
18.367	7.5985	4.47	.	Q	.	.	.	V	.
18.383	7.6047	4.46	.	Q	.	.	.	V	.
18.400	7.6108	4.44	.	Q	.	.	.	V	.
18.417	7.6169	4.43	.	Q	.	.	.	V	.
18.433	7.6230	4.41	.	Q	.	.	.	V	.
18.450	7.6290	4.40	.	Q	.	.	.	V	.
18.467	7.6351	4.39	.	Q	.	.	.	V	.
18.483	7.6411	4.37	.	Q	.	.	.	V	.
18.500	7.6471	4.36	.	Q	.	.	.	V	.
18.517	7.6531	4.35	.	Q	.	.	.	V	.
18.533	7.6590	4.33	.	Q	.	.	.	V	.
18.550	7.6650	4.32	.	Q	.	.	.	V	.
18.567	7.6709	4.31	.	Q	.	.	.	V	.
18.583	7.6768	4.29	.	Q	.	.	.	V	.
18.600	7.6827	4.28	.	Q	.	.	.	V	.
18.617	7.6886	4.27	.	Q	.	.	.	V	.
18.633	7.6945	4.26	.	Q	.	.	.	V	.
18.650	7.7003	4.24	.	Q	.	.	.	V	.
18.667	7.7061	4.23	.	Q	.	.	.	V	.
18.683	7.7120	4.22	.	Q	.	.	.	V	.
18.700	7.7177	4.21	.	Q	.	.	.	V	.
18.717	7.7235	4.19	.	Q	.	.	.	V	.
18.733	7.7293	4.18	.	Q	.	.	.	V	.
18.750	7.7350	4.17	.	Q	.	.	.	V	.
18.767	7.7408	4.16	.	Q	.	.	.	V	.
18.783	7.7465	4.15	.	Q	.	.	.	V	.
18.800	7.7522	4.14	.	Q	.	.	.	V	.
18.817	7.7579	4.13	.	Q	.	.	.	V	.
18.833	7.7635	4.12	.	Q	.	.	.	V	.
18.850	7.7692	4.10	.	Q	.	.	.	V	.
18.867	7.7748	4.09	.	Q	.	.	.	V	.
18.883	7.7804	4.08	.	Q	.	.	.	V	.
18.900	7.7861	4.07	.	Q	.	.	.	V	.
18.917	7.7916	4.06	.	Q	.	.	.	V	.
18.933	7.7972	4.05	.	Q	.	.	.	V	.
18.950	7.8028	4.04	.	Q	.	.	.	V	.
18.967	7.8083	4.03	.	Q	.	.	.	V	.
18.983	7.8139	4.02	.	Q	.	.	.	V	.
19.000	7.8194	4.01	.	Q	.	.	.	V	.
19.017	7.8249	4.00	.	Q	.	.	.	V	.
19.033	7.8304	3.99	.	Q	.	.	.	V	.
19.050	7.8359	3.98	.	Q	.	.	.	V	.
19.067	7.8413	3.97	.	Q	.	.	.	V	.
19.083	7.8468	3.96	.	Q	.	.	.	V	.
19.100	7.8522	3.95	.	Q	.	.	.	V	.
19.117	7.8577	3.94	.	Q	.	.	.	V	.
19.133	7.8631	3.93	.	Q	.	.	.	V	.
19.150	7.8685	3.92	.	Q	.	.	.	V	.

19.167	7.8739	3.91	.	Q	.	.	V	.
19.183	7.8792	3.90	.	Q	.	.	V	.
19.200	7.8846	3.89	.	Q	.	.	V	.
19.217	7.8900	3.88	.	Q	.	.	V	.
19.233	7.8953	3.87	.	Q	.	.	V	.
19.250	7.9006	3.87	.	Q	.	.	V	.
19.267	7.9059	3.86	.	Q	.	.	V	.
19.283	7.9112	3.85	.	Q	.	.	V	.
19.300	7.9165	3.84	.	Q	.	.	V	.
19.317	7.9218	3.83	.	Q	.	.	V	.
19.333	7.9271	3.82	.	Q	.	.	V	.
19.350	7.9323	3.81	.	Q	.	.	V	.
19.367	7.9375	3.80	.	Q	.	.	V	.
19.383	7.9428	3.80	.	Q	.	.	V	.
19.400	7.9480	3.79	.	Q	.	.	V	.
19.417	7.9532	3.78	.	Q	.	.	V	.
19.433	7.9584	3.77	.	Q	.	.	V	.
19.450	7.9636	3.76	.	Q	.	.	V	.
19.467	7.9687	3.75	.	Q	.	.	V	.
19.483	7.9739	3.75	.	Q	.	.	V	.
19.500	7.9790	3.74	.	Q	.	.	V	.
19.517	7.9842	3.73	.	Q	.	.	V	.
19.533	7.9893	3.72	.	Q	.	.	V	.
19.550	7.9944	3.71	.	Q	.	.	V	.
19.567	7.9995	3.71	.	Q	.	.	V	.
19.583	8.0046	3.70	.	Q	.	.	V	.
19.600	8.0097	3.69	.	Q	.	.	V	.
19.617	8.0148	3.68	.	Q	.	.	V	.
19.633	8.0198	3.67	.	Q	.	.	V	.
19.650	8.0249	3.67	.	Q	.	.	V	.
19.667	8.0299	3.66	.	Q	.	.	V	.
19.683	8.0350	3.65	.	Q	.	.	V	.
19.700	8.0400	3.65	.	Q	.	.	V	.
19.717	8.0450	3.64	.	Q	.	.	V	.
19.733	8.0500	3.63	.	Q	.	.	V	.
19.750	8.0550	3.62	.	Q	.	.	V	.
19.767	8.0600	3.62	.	Q	.	.	V	.
19.783	8.0649	3.61	.	Q	.	.	V	.
19.800	8.0699	3.60	.	Q	.	.	V	.
19.817	8.0749	3.59	.	Q	.	.	V	.
19.833	8.0798	3.59	.	Q	.	.	V	.
19.850	8.0847	3.58	.	Q	.	.	V	.
19.867	8.0896	3.57	.	Q	.	.	V	.
19.883	8.0946	3.57	.	Q	.	.	V	.
19.900	8.0995	3.56	.	Q	.	.	V	.
19.917	8.1044	3.55	.	Q	.	.	V	.
19.933	8.1092	3.55	.	Q	.	.	V	.
19.950	8.1141	3.54	.	Q	.	.	V	.
19.967	8.1190	3.53	.	Q	.	.	V	.
19.983	8.1238	3.53	.	Q	.	.	V	.
20.000	8.1287	3.52	.	Q	.	.	V	.
20.017	8.1335	3.51	.	Q	.	.	V	.
20.033	8.1383	3.51	.	Q	.	.	V	.
20.050	8.1432	3.50	.	Q	.	.	V	.
20.067	8.1480	3.49	.	Q	.	.	V	.
20.083	8.1528	3.49	.	Q	.	.	V	.
20.100	8.1576	3.48	.	Q	.	.	V	.
20.117	8.1624	3.47	.	Q	.	.	V	.
20.133	8.1671	3.47	.	Q	.	.	V	.
20.150	8.1719	3.46	.	Q	.	.	V	.
20.167	8.1767	3.45	.	Q	.	.	V	.
20.183	8.1814	3.45	.	Q	.	.	V	.
20.200	8.1861	3.44	.	Q	.	.	V	.
20.217	8.1909	3.44	.	Q	.	.	V	.
20.233	8.1956	3.43	.	Q	.	.	V	.
20.250	8.2003	3.42	.	Q	.	.	V	.
20.267	8.2050	3.42	.	Q	.	.	V	.
20.283	8.2097	3.41	.	Q	.	.	V	.
20.300	8.2144	3.41	.	Q	.	.	V	.
20.317	8.2191	3.40	.	Q	.	.	V	.
20.333	8.2238	3.39	.	Q	.	.	V	.
20.350	8.2284	3.39	.	Q	.	.	V	.

20.367	8.2331	3.38	. Q	.	.	.	V	.
20.383	8.2378	3.38	. Q	.	.	.	V	.
20.400	8.2424	3.37	. Q	.	.	.	V	.
20.417	8.2470	3.37	. Q	.	.	.	V	.
20.433	8.2517	3.36	. Q	.	.	.	V	.
20.450	8.2563	3.35	. Q	.	.	.	V	.
20.467	8.2609	3.35	. Q	.	.	.	V	.
20.483	8.2655	3.34	. Q	.	.	.	V	.
20.500	8.2701	3.34	. Q	.	.	.	V	.
20.517	8.2747	3.33	. Q	.	.	.	V	.
20.533	8.2793	3.33	. Q	.	.	.	V	.
20.550	8.2838	3.32	. Q	.	.	.	V	.
20.567	8.2884	3.32	. Q	.	.	.	V	.
20.583	8.2930	3.31	. Q	.	.	.	V	.
20.600	8.2975	3.30	. Q	.	.	.	V	.
20.617	8.3021	3.30	. Q	.	.	.	V	.
20.633	8.3066	3.29	. Q	.	.	.	V	.
20.650	8.3111	3.29	. Q	.	.	.	V	.
20.667	8.3156	3.28	. Q	.	.	.	V	.
20.683	8.3202	3.28	. Q	.	.	.	V	.
20.700	8.3247	3.27	. Q	.	.	.	V	.
20.717	8.3292	3.27	. Q	.	.	.	V	.
20.733	8.3337	3.26	. Q	.	.	.	V	.
20.750	8.3382	3.26	. Q	.	.	.	V	.
20.767	8.3426	3.25	. Q	.	.	.	V	.
20.783	8.3471	3.25	. Q	.	.	.	V	.
20.800	8.3516	3.24	. Q	.	.	.	V	.
20.817	8.3560	3.24	. Q	.	.	.	V	.
20.833	8.3605	3.23	. Q	.	.	.	V	.
20.850	8.3649	3.23	. Q	.	.	.	V	.
20.867	8.3694	3.22	. Q	.	.	.	V	.
20.883	8.3738	3.22	.Q	.	.	.	V	.
20.900	8.3782	3.21	.Q	.	.	.	V	.
20.917	8.3826	3.21	.Q	.	.	.	V	.
20.933	8.3870	3.20	.Q	.	.	.	V	.
20.950	8.3915	3.20	.Q	.	.	.	V	.
20.967	8.3958	3.19	.Q	.	.	.	V	.
20.983	8.4002	3.19	.Q	.	.	.	V	.
21.000	8.4046	3.18	.Q	.	.	.	V	.
21.017	8.4090	3.18	.Q	.	.	.	V	.
21.033	8.4134	3.17	.Q	.	.	.	V	.
21.050	8.4177	3.17	.Q	.	.	.	V	.
21.067	8.4221	3.16	.Q	.	.	.	V	.
21.083	8.4264	3.16	.Q	.	.	.	V	.
21.100	8.4308	3.15	.Q	.	.	.	V	.
21.117	8.4351	3.15	.Q	.	.	.	V	.
21.133	8.4395	3.15	.Q	.	.	.	V	.
21.150	8.4438	3.14	.Q	.	.	.	V	.
21.167	8.4481	3.14	.Q	.	.	.	V	.
21.183	8.4524	3.13	.Q	.	.	.	V	.
21.200	8.4567	3.13	.Q	.	.	.	V	.
21.217	8.4610	3.12	.Q	.	.	.	V	.
21.233	8.4653	3.12	.Q	.	.	.	V	.
21.250	8.4696	3.11	.Q	.	.	.	V	.
21.267	8.4739	3.11	.Q	.	.	.	V	.
21.283	8.4782	3.11	.Q	.	.	.	V	.
21.300	8.4825	3.10	.Q	.	.	.	V	.
21.317	8.4867	3.10	.Q	.	.	.	V	.
21.333	8.4910	3.09	.Q	.	.	.	V	.
21.350	8.4952	3.09	.Q	.	.	.	V	.
21.367	8.4995	3.08	.Q	.	.	.	V	.
21.383	8.5037	3.08	.Q	.	.	.	V	.
21.400	8.5080	3.08	.Q	.	.	.	V	.
21.417	8.5122	3.07	.Q	.	.	.	V	.
21.433	8.5164	3.07	.Q	.	.	.	V	.
21.450	8.5206	3.06	.Q	.	.	.	V	.
21.467	8.5249	3.06	.Q	.	.	.	V	.
21.483	8.5291	3.05	.Q	.	.	.	V	.
21.500	8.5333	3.05	.Q	.	.	.	V	.
21.517	8.5375	3.05	.Q	.	.	.	V	.
21.533	8.5417	3.04	.Q	.	.	.	V	.
21.550	8.5458	3.04	.Q	.	.	.	V	.

21.567	8.5500	3.03	.Q	.	.	.	V	.
21.583	8.5542	3.03	.Q	.	.	.	V	.
21.600	8.5584	3.03	.Q	.	.	.	V	.
21.617	8.5625	3.02	.Q	.	.	.	V	.
21.633	8.5667	3.02	.Q	.	.	.	V	.
21.650	8.5708	3.01	.Q	.	.	.	V	.
21.667	8.5750	3.01	.Q	.	.	.	V	.
21.683	8.5791	3.01	.Q	.	.	.	V	.
21.700	8.5832	3.00	.Q	.	.	.	V	.
21.717	8.5874	3.00	.Q	.	.	.	V	.
21.733	8.5915	2.99	.Q	.	.	.	V	.
21.750	8.5956	2.99	.Q	.	.	.	V	.
21.767	8.5997	2.99	.Q	.	.	.	V	.
21.783	8.6038	2.98	.Q	.	.	.	V	.
21.800	8.6079	2.98	.Q	.	.	.	V	.
21.817	8.6120	2.98	.Q	.	.	.	V	.
21.833	8.6161	2.97	.Q	.	.	.	V	.
21.850	8.6202	2.97	.Q	.	.	.	V	.
21.867	8.6243	2.96	.Q	.	.	.	V	.
21.883	8.6284	2.96	.Q	.	.	.	V	.
21.900	8.6325	2.96	.Q	.	.	.	V	.
21.917	8.6365	2.95	.Q	.	.	.	V	.
21.933	8.6406	2.95	.Q	.	.	.	V	.
21.950	8.6446	2.95	.Q	.	.	.	V	.
21.967	8.6487	2.94	.Q	.	.	.	V	.
21.983	8.6527	2.94	.Q	.	.	.	V	.
22.000	8.6568	2.93	.Q	.	.	.	V	.
22.017	8.6608	2.93	.Q	.	.	.	V	.
22.033	8.6649	2.93	.Q	.	.	.	V	.
22.050	8.6689	2.92	.Q	.	.	.	V	.
22.067	8.6729	2.92	.Q	.	.	.	V	.
22.083	8.6769	2.92	.Q	.	.	.	V	.
22.100	8.6809	2.91	.Q	.	.	.	V	.
22.117	8.6849	2.91	.Q	.	.	.	V	.
22.133	8.6889	2.91	.Q	.	.	.	V	.
22.150	8.6929	2.90	.Q	.	.	.	V	.
22.167	8.6969	2.90	.Q	.	.	.	V	.
22.183	8.7009	2.90	.Q	.	.	.	V	.
22.200	8.7049	2.89	.Q	.	.	.	V	.
22.217	8.7089	2.89	.Q	.	.	.	V	.
22.233	8.7129	2.88	.Q	.	.	.	V	.
22.250	8.7168	2.88	.Q	.	.	.	V	.
22.267	8.7208	2.88	.Q	.	.	.	V	.
22.283	8.7247	2.87	.Q	.	.	.	V	.
22.300	8.7287	2.87	.Q	.	.	.	V	.
22.317	8.7327	2.87	.Q	.	.	.	V	.
22.333	8.7366	2.86	.Q	.	.	.	V	.
22.350	8.7405	2.86	.Q	.	.	.	V	.
22.367	8.7445	2.86	.Q	.	.	.	V	.
22.383	8.7484	2.85	.Q	.	.	.	V	.
22.400	8.7523	2.85	.Q	.	.	.	V	.
22.417	8.7563	2.85	.Q	.	.	.	V	.
22.433	8.7602	2.84	.Q	.	.	.	V	.
22.450	8.7641	2.84	.Q	.	.	.	V	.
22.467	8.7680	2.84	.Q	.	.	.	V	.
22.483	8.7719	2.83	.Q	.	.	.	V	.
22.500	8.7758	2.83	.Q	.	.	.	V	.
22.517	8.7797	2.83	.Q	.	.	.	V	.
22.533	8.7836	2.83	.Q	.	.	.	V	.
22.550	8.7875	2.82	.Q	.	.	.	V	.
22.567	8.7914	2.82	.Q	.	.	.	V	.
22.583	8.7952	2.82	.Q	.	.	.	V	.
22.600	8.7991	2.81	.Q	.	.	.	V	.
22.617	8.8030	2.81	.Q	.	.	.	V	.
22.633	8.8069	2.81	.Q	.	.	.	V	.
22.650	8.8107	2.80	.Q	.	.	.	V	.
22.667	8.8146	2.80	.Q	.	.	.	V	.
22.683	8.8184	2.80	.Q	.	.	.	V	.
22.700	8.8223	2.79	.Q	.	.	.	V	.
22.717	8.8261	2.79	.Q	.	.	.	V	.
22.733	8.8300	2.79	.Q	.	.	.	V	.
22.750	8.8338	2.78	.Q	.	.	.	V	.

22.767	8.8376	2.78	.Q	.	.	.	V .
22.783	8.8414	2.78	.Q	.	.	.	V .
22.800	8.8453	2.78	.Q	.	.	.	V .
22.817	8.8491	2.77	.Q	.	.	.	V .
22.833	8.8529	2.77	.Q	.	.	.	V .
22.850	8.8567	2.77	.Q	.	.	.	V .
22.867	8.8605	2.76	.Q	.	.	.	V .
22.883	8.8643	2.76	.Q	.	.	.	V .
22.900	8.8681	2.76	.Q	.	.	.	V .
22.917	8.8719	2.75	.Q	.	.	.	V .
22.933	8.8757	2.75	.Q	.	.	.	V .
22.950	8.8795	2.75	.Q	.	.	.	V .
22.967	8.8833	2.75	.Q	.	.	.	V .
22.983	8.8870	2.74	.Q	.	.	.	V .
23.000	8.8908	2.74	.Q	.	.	.	V .
23.017	8.8946	2.74	.Q	.	.	.	V .
23.033	8.8984	2.73	.Q	.	.	.	V .
23.050	8.9021	2.73	.Q	.	.	.	V .
23.067	8.9059	2.73	.Q	.	.	.	V .
23.083	8.9096	2.73	.Q	.	.	.	V .
23.100	8.9134	2.72	.Q	.	.	.	V .
23.117	8.9171	2.72	.Q	.	.	.	V .
23.133	8.9209	2.72	.Q	.	.	.	V.
23.150	8.9246	2.71	.Q	.	.	.	V.
23.167	8.9283	2.71	.Q	.	.	.	V.
23.183	8.9321	2.71	.Q	.	.	.	V.
23.200	8.9358	2.71	.Q	.	.	.	V.
23.217	8.9395	2.70	.Q	.	.	.	V.
23.233	8.9432	2.70	.Q	.	.	.	V.
23.250	8.9470	2.70	.Q	.	.	.	V.
23.267	8.9507	2.69	.Q	.	.	.	V.
23.283	8.9544	2.69	.Q	.	.	.	V.
23.300	8.9581	2.69	.Q	.	.	.	V.
23.317	8.9618	2.69	.Q	.	.	.	V.
23.333	8.9655	2.68	.Q	.	.	.	V.
23.350	8.9692	2.68	.Q	.	.	.	V.
23.367	8.9729	2.68	.Q	.	.	.	V.
23.383	8.9765	2.68	.Q	.	.	.	V.
23.400	8.9802	2.67	.Q	.	.	.	V.
23.417	8.9839	2.67	.Q	.	.	.	V.
23.433	8.9876	2.67	.Q	.	.	.	V.
23.450	8.9912	2.67	.Q	.	.	.	V.
23.467	8.9949	2.66	.Q	.	.	.	V.
23.483	8.9986	2.66	.Q	.	.	.	V.
23.500	9.0022	2.66	.Q	.	.	.	V.
23.517	9.0059	2.65	.Q	.	.	.	V.
23.533	9.0095	2.65	.Q	.	.	.	V.
23.550	9.0132	2.65	.Q	.	.	.	V.
23.567	9.0168	2.65	.Q	.	.	.	V.
23.583	9.0205	2.64	.Q	.	.	.	V.
23.600	9.0241	2.64	.Q	.	.	.	V.
23.617	9.0278	2.64	.Q	.	.	.	V.
23.633	9.0314	2.64	.Q	.	.	.	V.
23.650	9.0350	2.63	.Q	.	.	.	V.
23.667	9.0386	2.63	.Q	.	.	.	V.
23.683	9.0423	2.63	.Q	.	.	.	V.
23.700	9.0459	2.63	.Q	.	.	.	V.
23.717	9.0495	2.62	.Q	.	.	.	V.
23.733	9.0531	2.62	.Q	.	.	.	V.
23.750	9.0567	2.62	.Q	.	.	.	V.
23.767	9.0603	2.62	.Q	.	.	.	V.
23.783	9.0639	2.61	.Q	.	.	.	V.
23.800	9.0675	2.61	.Q	.	.	.	V.
23.817	9.0711	2.61	.Q	.	.	.	V.
23.833	9.0747	2.61	.Q	.	.	.	V.
23.850	9.0783	2.60	.Q	.	.	.	V.
23.867	9.0819	2.60	.Q	.	.	.	V.
23.883	9.0854	2.60	.Q	.	.	.	V.
23.900	9.0890	2.60	.Q	.	.	.	V.
23.917	9.0926	2.59	.Q	.	.	.	V.
23.933	9.0962	2.59	.Q	.	.	.	V.
23.950	9.0997	2.59	.Q	.	.	.	V.

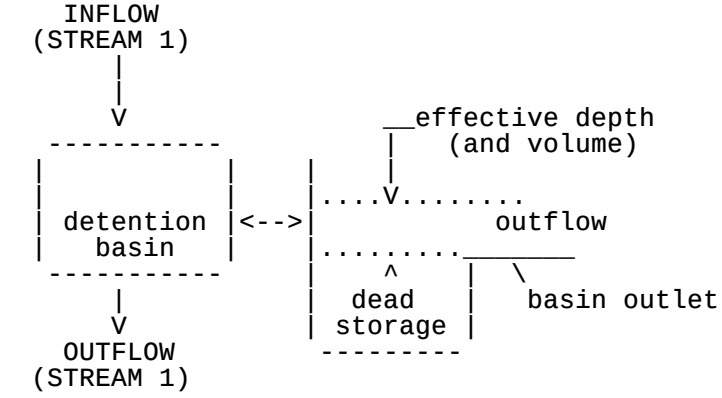
23.967	9.1033	2.59	.Q	.	.	.	V.
23.983	9.1069	2.58	.Q	.	.	.	V.
24.000	9.1104	2.58	.Q	.	.	.	V.
24.017	9.1140	2.58	.Q	.	.	.	V.
24.033	9.1175	2.58	.Q	.	.	.	V.
24.050	9.1211	2.58	.Q	.	.	.	V.
24.067	9.1246	2.57	.Q	.	.	.	V.
24.083	9.1281	2.57	.Q	.	.	.	V.
24.100	9.1317	2.57	.Q	.	.	.	V.
24.117	9.1350	2.42	.Q	.	.	.	V.
24.133	9.1380	2.14	.Q	.	.	.	V.
24.150	9.1405	1.85	.Q	.	.	.	V.
24.167	9.1427	1.57	Q	.	.	.	V.
24.183	9.1445	1.28	Q	.	.	.	V.
24.200	9.1458	1.00	Q	.	.	.	V.
24.217	9.1468	0.71	Q	.	.	.	V.
24.233	9.1474	0.43	Q	.	.	.	V.
24.250	9.1476	0.14	Q	.	.	.	V.

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1455.0
10%	730.0
20%	150.0
30%	90.0
40%	75.0
50%	60.0
60%	45.0
70%	35.0
80%	25.0
90%	10.0

****
FLOW PROCESS FROM NODE 169.00 TO NODE 169.00 IS CODE = 3.2

>>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
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ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
THROUGH A FLOW-THROUGH DETENTION BASIN
SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
DEAD STORAGE(AF) = 0.000
SPECIFIED DEAD STORAGE(AF) FILLED = 0.000
SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET = 0.000
DETENTION BASIN CONSTANT LOSS RATE(CFS) = 0.00

BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

INTERVAL NUMBER	DEPTH (FT)	OUTFLOW (CFS)	STORAGE (AF)
1	0.00	0.00	0.000
2	0.10	34.82	0.003
3	0.20	35.15	0.022
4	0.30	35.47	0.076
5	0.40	35.80	0.176
6	0.50	36.11	0.319
7	0.60	36.43	0.498
8	0.70	36.74	0.709
9	0.80	37.05	0.949
10	0.90	37.36	1.214
11	1.00	37.67	1.496
12	1.10	37.97	1.795
13	1.20	38.27	2.112

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MODIFIED-PULS BASIN ROUTING MODEL RESULTS(1-MINUTE COMPUTATION INTERVALS):
(Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time; MEAN OUTFLOW is the average value during the unit interval.)

CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
0.017	0.000	0.00	0.00	0.00	0.0	0.000
0.033	0.000	0.00	0.00	0.00	0.0	0.000
0.050	0.000	0.00	0.00	0.00	0.0	0.000
0.067	0.000	0.00	0.00	0.00	0.0	0.000
0.083	0.000	0.00	0.00	0.00	0.0	0.000
0.100	0.000	0.00	0.00	0.00	0.0	0.000
0.117	0.000	0.14	0.00	0.00	0.1	0.000
0.133	0.000	0.43	0.00	0.00	0.4	0.000
0.150	0.000	0.71	0.00	0.00	0.7	0.000
0.167	0.000	1.00	0.00	0.00	1.0	0.000
0.183	0.000	1.29	0.00	0.00	1.3	0.000
0.200	0.000	1.57	0.00	0.00	1.6	0.000
0.217	0.000	1.86	0.00	0.01	1.8	0.000
0.233	0.000	2.14	0.00	0.01	2.1	0.000
0.250	0.000	2.43	0.00	0.01	2.4	0.000
0.267	0.000	2.57	0.00	0.01	2.6	0.000
0.283	0.000	2.58	0.00	0.01	2.6	0.000
0.300	0.000	2.58	0.00	0.01	2.6	0.000
0.317	0.000	2.58	0.00	0.01	2.6	0.000
0.333	0.000	2.58	0.00	0.01	2.6	0.000
0.350	0.000	2.58	0.00	0.01	2.6	0.000
0.367	0.000	2.58	0.00	0.01	2.6	0.000
0.383	0.000	2.58	0.00	0.01	2.6	0.000
0.400	0.000	2.58	0.00	0.01	2.6	0.000
0.417	0.000	2.58	0.00	0.01	2.6	0.000
0.433	0.000	2.58	0.00	0.01	2.6	0.000
0.450	0.000	2.58	0.00	0.01	2.6	0.000
0.467	0.000	2.59	0.00	0.01	2.6	0.000
0.483	0.000	2.59	0.00	0.01	2.6	0.000
0.500	0.000	2.59	0.00	0.01	2.6	0.000
0.517	0.000	2.59	0.00	0.01	2.6	0.000
0.533	0.000	2.59	0.00	0.01	2.6	0.000
0.550	0.000	2.59	0.00	0.01	2.6	0.000
0.567	0.000	2.60	0.00	0.01	2.6	0.000
0.583	0.000	2.60	0.00	0.01	2.6	0.000
0.600	0.000	2.60	0.00	0.01	2.6	0.000
0.617	0.000	2.60	0.00	0.01	2.6	0.000
0.633	0.000	2.60	0.00	0.01	2.6	0.000
0.650	0.000	2.60	0.00	0.01	2.6	0.000
0.667	0.000	2.60	0.00	0.01	2.6	0.000
0.683	0.000	2.60	0.00	0.01	2.6	0.000
0.700	0.000	2.60	0.00	0.01	2.6	0.000
0.717	0.000	2.60	0.00	0.01	2.6	0.000

0.733	0.000	2.61	0.00	0.01	2.6	0.000
0.750	0.000	2.61	0.00	0.01	2.6	0.000
0.767	0.000	2.61	0.00	0.01	2.6	0.000
0.783	0.000	2.61	0.00	0.01	2.6	0.000
0.800	0.000	2.61	0.00	0.01	2.6	0.000
0.817	0.000	2.61	0.00	0.01	2.6	0.000
0.833	0.000	2.62	0.00	0.01	2.6	0.000
0.850	0.000	2.62	0.00	0.01	2.6	0.000
0.867	0.000	2.62	0.00	0.01	2.6	0.000
0.883	0.000	2.62	0.00	0.01	2.6	0.000
0.900	0.000	2.62	0.00	0.01	2.6	0.000
0.917	0.000	2.62	0.00	0.01	2.6	0.000
0.933	0.000	2.62	0.00	0.01	2.6	0.000
0.950	0.000	2.62	0.00	0.01	2.6	0.000
0.967	0.000	2.62	0.00	0.01	2.6	0.000
0.983	0.000	2.62	0.00	0.01	2.6	0.000
1.000	0.000	2.62	0.00	0.01	2.6	0.000
1.017	0.000	2.63	0.00	0.01	2.6	0.000
1.033	0.000	2.63	0.00	0.01	2.6	0.000
1.050	0.000	2.63	0.00	0.01	2.6	0.000
1.067	0.000	2.63	0.00	0.01	2.6	0.000
1.083	0.000	2.63	0.00	0.01	2.6	0.000
1.100	0.000	2.63	0.00	0.01	2.6	0.000
1.117	0.000	2.64	0.00	0.01	2.6	0.000
1.133	0.000	2.64	0.00	0.01	2.6	0.000
1.150	0.000	2.64	0.00	0.01	2.6	0.000
1.167	0.000	2.64	0.00	0.01	2.6	0.000
1.183	0.000	2.64	0.00	0.01	2.6	0.000
1.200	0.000	2.64	0.00	0.01	2.6	0.000
1.217	0.000	2.64	0.00	0.01	2.6	0.000
1.233	0.000	2.64	0.00	0.01	2.6	0.000
1.250	0.000	2.64	0.00	0.01	2.6	0.000
1.267	0.000	2.65	0.00	0.01	2.6	0.000
1.283	0.000	2.65	0.00	0.01	2.6	0.000
1.300	0.000	2.65	0.00	0.01	2.6	0.000
1.317	0.000	2.65	0.00	0.01	2.6	0.000
1.333	0.000	2.65	0.00	0.01	2.7	0.000
1.350	0.000	2.65	0.00	0.01	2.7	0.000
1.367	0.000	2.65	0.00	0.01	2.7	0.000
1.383	0.000	2.66	0.00	0.01	2.7	0.000
1.400	0.000	2.66	0.00	0.01	2.7	0.000
1.417	0.000	2.66	0.00	0.01	2.7	0.000
1.433	0.000	2.66	0.00	0.01	2.7	0.000
1.450	0.000	2.66	0.00	0.01	2.7	0.000
1.467	0.000	2.66	0.00	0.01	2.7	0.000
1.483	0.000	2.67	0.00	0.01	2.7	0.000
1.500	0.000	2.67	0.00	0.01	2.7	0.000
1.517	0.000	2.67	0.00	0.01	2.7	0.000
1.533	0.000	2.67	0.00	0.01	2.7	0.000
1.550	0.000	2.67	0.00	0.01	2.7	0.000
1.567	0.000	2.67	0.00	0.01	2.7	0.000
1.583	0.000	2.67	0.00	0.01	2.7	0.000
1.600	0.000	2.67	0.00	0.01	2.7	0.000
1.617	0.000	2.67	0.00	0.01	2.7	0.000
1.633	0.000	2.67	0.00	0.01	2.7	0.000
1.650	0.000	2.68	0.00	0.01	2.7	0.000
1.667	0.000	2.68	0.00	0.01	2.7	0.000
1.683	0.000	2.68	0.00	0.01	2.7	0.000
1.700	0.000	2.68	0.00	0.01	2.7	0.000
1.717	0.000	2.68	0.00	0.01	2.7	0.000
1.733	0.000	2.69	0.00	0.01	2.7	0.000
1.750	0.000	2.69	0.00	0.01	2.7	0.000
1.767	0.000	2.69	0.00	0.01	2.7	0.000
1.783	0.000	2.69	0.00	0.01	2.7	0.000
1.800	0.000	2.69	0.00	0.01	2.7	0.000
1.817	0.000	2.69	0.00	0.01	2.7	0.000
1.833	0.000	2.69	0.00	0.01	2.7	0.000
1.850	0.000	2.69	0.00	0.01	2.7	0.000
1.867	0.000	2.69	0.00	0.01	2.7	0.000
1.883	0.000	2.69	0.00	0.01	2.7	0.000
1.900	0.000	2.70	0.00	0.01	2.7	0.000
1.917	0.000	2.70	0.00	0.01	2.7	0.000

1.933	0.000	2.70	0.00	0.01	2.7	0.000
1.950	0.000	2.70	0.00	0.01	2.7	0.000
1.967	0.000	2.70	0.00	0.01	2.7	0.000
1.983	0.000	2.70	0.00	0.01	2.7	0.000
2.000	0.000	2.71	0.00	0.01	2.7	0.000
2.017	0.000	2.71	0.00	0.01	2.7	0.000
2.033	0.000	2.71	0.00	0.01	2.7	0.000
2.050	0.000	2.71	0.00	0.01	2.7	0.000
2.067	0.000	2.71	0.00	0.01	2.7	0.000
2.083	0.000	2.71	0.00	0.01	2.7	0.000
2.100	0.000	2.72	0.00	0.01	2.7	0.000
2.117	0.000	2.72	0.00	0.01	2.7	0.000
2.133	0.000	2.72	0.00	0.01	2.7	0.000
2.150	0.000	2.72	0.00	0.01	2.7	0.000
2.167	0.000	2.72	0.00	0.01	2.7	0.000
2.183	0.000	2.72	0.00	0.01	2.7	0.000
2.200	0.000	2.72	0.00	0.01	2.7	0.000
2.217	0.000	2.72	0.00	0.01	2.7	0.000
2.233	0.000	2.72	0.00	0.01	2.7	0.000
2.250	0.000	2.73	0.00	0.01	2.7	0.000
2.267	0.000	2.73	0.00	0.01	2.7	0.000
2.283	0.000	2.73	0.00	0.01	2.7	0.000
2.300	0.000	2.73	0.00	0.01	2.7	0.000
2.317	0.000	2.73	0.00	0.01	2.7	0.000
2.333	0.000	2.74	0.00	0.01	2.7	0.000
2.350	0.000	2.74	0.00	0.01	2.7	0.000
2.367	0.000	2.74	0.00	0.01	2.7	0.000
2.383	0.000	2.74	0.00	0.01	2.7	0.000
2.400	0.000	2.74	0.00	0.01	2.7	0.000
2.417	0.000	2.74	0.00	0.01	2.7	0.000
2.433	0.000	2.74	0.00	0.01	2.7	0.000
2.450	0.000	2.74	0.00	0.01	2.7	0.000
2.467	0.000	2.74	0.00	0.01	2.7	0.000
2.483	0.000	2.75	0.00	0.01	2.7	0.000
2.500	0.000	2.75	0.00	0.01	2.7	0.000
2.517	0.000	2.75	0.00	0.01	2.7	0.000
2.533	0.000	2.75	0.00	0.01	2.7	0.000
2.550	0.000	2.75	0.00	0.01	2.8	0.000
2.567	0.000	2.75	0.00	0.01	2.8	0.000
2.583	0.000	2.76	0.00	0.01	2.8	0.000
2.600	0.000	2.76	0.00	0.01	2.8	0.000
2.617	0.000	2.76	0.00	0.01	2.8	0.000
2.633	0.000	2.76	0.00	0.01	2.8	0.000
2.650	0.000	2.76	0.00	0.01	2.8	0.000
2.667	0.000	2.77	0.00	0.01	2.8	0.000
2.683	0.000	2.77	0.00	0.01	2.8	0.000
2.700	0.000	2.77	0.00	0.01	2.8	0.000
2.717	0.000	2.77	0.00	0.01	2.8	0.000
2.733	0.000	2.77	0.00	0.01	2.8	0.000
2.750	0.000	2.77	0.00	0.01	2.8	0.000
2.767	0.000	2.77	0.00	0.01	2.8	0.000
2.783	0.000	2.77	0.00	0.01	2.8	0.000
2.800	0.000	2.77	0.00	0.01	2.8	0.000
2.817	0.000	2.77	0.00	0.01	2.8	0.000
2.833	0.000	2.78	0.00	0.01	2.8	0.000
2.850	0.000	2.78	0.00	0.01	2.8	0.000
2.867	0.000	2.78	0.00	0.01	2.8	0.000
2.883	0.000	2.78	0.00	0.01	2.8	0.000
2.900	0.000	2.78	0.00	0.01	2.8	0.000
2.917	0.000	2.79	0.00	0.01	2.8	0.000
2.933	0.000	2.79	0.00	0.01	2.8	0.000
2.950	0.000	2.79	0.00	0.01	2.8	0.000
2.967	0.000	2.79	0.00	0.01	2.8	0.000
2.983	0.000	2.79	0.00	0.01	2.8	0.000
3.000	0.000	2.79	0.00	0.01	2.8	0.000
3.017	0.000	2.80	0.00	0.01	2.8	0.000
3.033	0.000	2.80	0.00	0.01	2.8	0.000
3.050	0.000	2.80	0.00	0.01	2.8	0.000
3.067	0.000	2.80	0.00	0.01	2.8	0.000
3.083	0.000	2.80	0.00	0.01	2.8	0.000
3.100	0.000	2.80	0.00	0.01	2.8	0.000
3.117	0.000	2.80	0.00	0.01	2.8	0.000

3.133	0.000	2.80	0.00	0.01	2.8	0.000
3.150	0.000	2.81	0.00	0.01	2.8	0.000
3.167	0.000	2.81	0.00	0.01	2.8	0.000
3.183	0.000	2.81	0.00	0.01	2.8	0.000
3.200	0.000	2.81	0.00	0.01	2.8	0.000
3.217	0.000	2.81	0.00	0.01	2.8	0.000
3.233	0.000	2.82	0.00	0.01	2.8	0.000
3.250	0.000	2.82	0.00	0.01	2.8	0.000
3.267	0.000	2.82	0.00	0.01	2.8	0.000
3.283	0.000	2.82	0.00	0.01	2.8	0.000
3.300	0.000	2.82	0.00	0.01	2.8	0.000
3.317	0.000	2.82	0.00	0.01	2.8	0.000
3.333	0.000	2.82	0.00	0.01	2.8	0.000
3.350	0.000	2.83	0.00	0.01	2.8	0.000
3.367	0.000	2.83	0.00	0.01	2.8	0.000
3.383	0.000	2.83	0.00	0.01	2.8	0.000
3.400	0.000	2.83	0.00	0.01	2.8	0.000
3.417	0.000	2.83	0.00	0.01	2.8	0.000
3.433	0.000	2.83	0.00	0.01	2.8	0.000
3.450	0.000	2.84	0.00	0.01	2.8	0.000
3.467	0.000	2.84	0.00	0.01	2.8	0.000
3.483	0.000	2.84	0.00	0.01	2.8	0.000
3.500	0.000	2.84	0.00	0.01	2.8	0.000
3.517	0.000	2.84	0.00	0.01	2.8	0.000
3.533	0.000	2.85	0.00	0.01	2.8	0.000
3.550	0.000	2.85	0.00	0.01	2.8	0.000
3.567	0.000	2.85	0.00	0.01	2.8	0.000
3.583	0.000	2.85	0.00	0.01	2.9	0.000
3.600	0.000	2.85	0.00	0.01	2.9	0.000
3.617	0.000	2.85	0.00	0.01	2.9	0.000
3.633	0.000	2.85	0.00	0.01	2.9	0.000
3.650	0.000	2.86	0.00	0.01	2.9	0.000
3.667	0.000	2.86	0.00	0.01	2.9	0.000
3.683	0.000	2.86	0.00	0.01	2.9	0.000
3.700	0.000	2.86	0.00	0.01	2.9	0.000
3.717	0.000	2.86	0.00	0.01	2.9	0.000
3.733	0.000	2.86	0.00	0.01	2.9	0.000
3.750	0.000	2.87	0.00	0.01	2.9	0.000
3.767	0.000	2.87	0.00	0.01	2.9	0.000
3.783	0.000	2.87	0.00	0.01	2.9	0.000
3.800	0.000	2.87	0.00	0.01	2.9	0.000
3.817	0.000	2.87	0.00	0.01	2.9	0.000
3.833	0.000	2.88	0.00	0.01	2.9	0.000
3.850	0.000	2.88	0.00	0.01	2.9	0.000
3.867	0.000	2.88	0.00	0.01	2.9	0.000
3.883	0.000	2.88	0.00	0.01	2.9	0.000
3.900	0.000	2.88	0.00	0.01	2.9	0.000
3.917	0.000	2.88	0.00	0.01	2.9	0.000
3.933	0.000	2.88	0.00	0.01	2.9	0.000
3.950	0.000	2.89	0.00	0.01	2.9	0.000
3.967	0.000	2.89	0.00	0.01	2.9	0.000
3.983	0.000	2.89	0.00	0.01	2.9	0.000
4.000	0.000	2.89	0.00	0.01	2.9	0.000
4.017	0.000	2.89	0.00	0.01	2.9	0.000
4.033	0.000	2.89	0.00	0.01	2.9	0.000
4.050	0.000	2.90	0.00	0.01	2.9	0.000
4.067	0.000	2.90	0.00	0.01	2.9	0.000
4.083	0.000	2.90	0.00	0.01	2.9	0.000
4.100	0.000	2.90	0.00	0.01	2.9	0.000
4.117	0.000	2.91	0.00	0.01	2.9	0.000
4.133	0.000	2.91	0.00	0.01	2.9	0.000
4.150	0.000	2.91	0.00	0.01	2.9	0.000
4.167	0.000	2.91	0.00	0.01	2.9	0.000
4.183	0.000	2.91	0.00	0.01	2.9	0.000
4.200	0.000	2.91	0.00	0.01	2.9	0.000
4.217	0.000	2.92	0.00	0.01	2.9	0.000
4.233	0.000	2.92	0.00	0.01	2.9	0.000
4.250	0.000	2.92	0.00	0.01	2.9	0.000
4.267	0.000	2.92	0.00	0.01	2.9	0.000
4.283	0.000	2.92	0.00	0.01	2.9	0.000
4.300	0.000	2.92	0.00	0.01	2.9	0.000
4.317	0.000	2.92	0.00	0.01	2.9	0.000

4.333	0.000	2.93	0.00	0.01	2.9	0.000
4.350	0.000	2.93	0.00	0.01	2.9	0.000
4.367	0.000	2.93	0.00	0.01	2.9	0.000
4.383	0.000	2.93	0.00	0.01	2.9	0.000
4.400	0.000	2.93	0.00	0.01	2.9	0.000
4.417	0.000	2.94	0.00	0.01	2.9	0.000
4.433	0.000	2.94	0.00	0.01	2.9	0.000
4.450	0.000	2.94	0.00	0.01	2.9	0.000
4.467	0.000	2.94	0.00	0.01	2.9	0.000
4.483	0.000	2.95	0.00	0.01	2.9	0.000
4.500	0.000	2.95	0.00	0.01	2.9	0.000
4.517	0.000	2.95	0.00	0.01	2.9	0.000
4.533	0.000	2.95	0.00	0.01	2.9	0.000
4.550	0.000	2.95	0.00	0.01	2.9	0.000
4.567	0.000	2.95	0.00	0.01	3.0	0.000
4.583	0.000	2.95	0.00	0.01	3.0	0.000
4.600	0.000	2.95	0.00	0.01	3.0	0.000
4.617	0.000	2.96	0.00	0.01	3.0	0.000
4.633	0.000	2.96	0.00	0.01	3.0	0.000
4.650	0.000	2.96	0.00	0.01	3.0	0.000
4.667	0.000	2.96	0.00	0.01	3.0	0.000
4.683	0.000	2.97	0.00	0.01	3.0	0.000
4.700	0.000	2.97	0.00	0.01	3.0	0.000
4.717	0.000	2.97	0.00	0.01	3.0	0.000
4.733	0.000	2.97	0.00	0.01	3.0	0.000
4.750	0.000	2.98	0.00	0.01	3.0	0.000
4.767	0.000	2.98	0.00	0.01	3.0	0.000
4.783	0.000	2.98	0.00	0.01	3.0	0.000
4.800	0.000	2.98	0.00	0.01	3.0	0.000
4.817	0.000	2.98	0.00	0.01	3.0	0.000
4.833	0.000	2.98	0.00	0.01	3.0	0.000
4.850	0.000	2.98	0.00	0.01	3.0	0.000
4.867	0.000	2.99	0.00	0.01	3.0	0.000
4.883	0.000	2.99	0.00	0.01	3.0	0.000
4.900	0.000	2.99	0.00	0.01	3.0	0.000
4.917	0.000	2.99	0.00	0.01	3.0	0.000
4.933	0.000	2.99	0.00	0.01	3.0	0.000
4.950	0.000	2.99	0.00	0.01	3.0	0.000
4.967	0.000	3.00	0.00	0.01	3.0	0.000
4.983	0.000	3.00	0.00	0.01	3.0	0.000
5.000	0.000	3.00	0.00	0.01	3.0	0.000
5.017	0.000	3.01	0.00	0.01	3.0	0.000
5.033	0.000	3.01	0.00	0.01	3.0	0.000
5.050	0.000	3.01	0.00	0.01	3.0	0.000
5.067	0.000	3.01	0.00	0.01	3.0	0.000
5.083	0.000	3.01	0.00	0.01	3.0	0.000
5.100	0.000	3.02	0.00	0.01	3.0	0.000
5.117	0.000	3.02	0.00	0.01	3.0	0.000
5.133	0.000	3.02	0.00	0.01	3.0	0.000
5.150	0.000	3.02	0.00	0.01	3.0	0.000
5.167	0.000	3.02	0.00	0.01	3.0	0.000
5.183	0.000	3.02	0.00	0.01	3.0	0.000
5.200	0.000	3.02	0.00	0.01	3.0	0.000
5.217	0.000	3.03	0.00	0.01	3.0	0.000
5.233	0.000	3.03	0.00	0.01	3.0	0.000
5.250	0.000	3.03	0.00	0.01	3.0	0.000
5.267	0.000	3.03	0.00	0.01	3.0	0.000
5.283	0.000	3.04	0.00	0.01	3.0	0.000
5.300	0.000	3.04	0.00	0.01	3.0	0.000
5.317	0.000	3.04	0.00	0.01	3.0	0.000
5.333	0.000	3.04	0.00	0.01	3.0	0.000
5.350	0.000	3.05	0.00	0.01	3.0	0.000
5.367	0.000	3.05	0.00	0.01	3.0	0.000
5.383	0.000	3.05	0.00	0.01	3.1	0.000
5.400	0.000	3.05	0.00	0.01	3.1	0.000
5.417	0.000	3.05	0.00	0.01	3.1	0.000
5.433	0.000	3.05	0.00	0.01	3.1	0.000
5.450	0.000	3.06	0.00	0.01	3.1	0.000
5.467	0.000	3.06	0.00	0.01	3.1	0.000
5.483	0.000	3.06	0.00	0.01	3.1	0.000
5.500	0.000	3.06	0.00	0.01	3.1	0.000
5.517	0.000	3.06	0.00	0.01	3.1	0.000

5.533	0.000	3.06	0.00	0.01	3.1	0.000
5.550	0.000	3.07	0.00	0.01	3.1	0.000
5.567	0.000	3.07	0.00	0.01	3.1	0.000
5.583	0.000	3.07	0.00	0.01	3.1	0.000
5.600	0.000	3.08	0.00	0.01	3.1	0.000
5.617	0.000	3.08	0.00	0.01	3.1	0.000
5.633	0.000	3.08	0.00	0.01	3.1	0.000
5.650	0.000	3.08	0.00	0.01	3.1	0.000
5.667	0.000	3.09	0.00	0.01	3.1	0.000
5.683	0.000	3.09	0.00	0.01	3.1	0.000
5.700	0.000	3.09	0.00	0.01	3.1	0.000
5.717	0.000	3.09	0.00	0.01	3.1	0.000
5.733	0.000	3.09	0.00	0.01	3.1	0.000
5.750	0.000	3.09	0.00	0.01	3.1	0.000
5.767	0.000	3.10	0.00	0.01	3.1	0.000
5.783	0.000	3.10	0.00	0.01	3.1	0.000
5.800	0.000	3.10	0.00	0.01	3.1	0.000
5.817	0.000	3.10	0.00	0.01	3.1	0.000
5.833	0.000	3.10	0.00	0.01	3.1	0.000
5.850	0.000	3.11	0.00	0.01	3.1	0.000
5.867	0.000	3.11	0.00	0.01	3.1	0.000
5.883	0.000	3.11	0.00	0.01	3.1	0.000
5.900	0.000	3.12	0.00	0.01	3.1	0.000
5.917	0.000	3.12	0.00	0.01	3.1	0.000
5.933	0.000	3.12	0.00	0.01	3.1	0.000
5.950	0.000	3.12	0.00	0.01	3.1	0.000
5.967	0.000	3.13	0.00	0.01	3.1	0.000
5.983	0.000	3.13	0.00	0.01	3.1	0.000
6.000	0.000	3.13	0.00	0.01	3.1	0.000
6.017	0.000	3.13	0.00	0.01	3.1	0.000
6.033	0.000	3.13	0.00	0.01	3.1	0.000
6.050	0.000	3.13	0.00	0.01	3.1	0.000
6.067	0.000	3.14	0.00	0.01	3.1	0.000
6.083	0.000	3.14	0.00	0.01	3.1	0.000
6.100	0.000	3.14	0.00	0.01	3.1	0.000
6.117	0.000	3.14	0.00	0.01	3.1	0.000
6.133	0.000	3.14	0.00	0.01	3.1	0.000
6.150	0.000	3.15	0.00	0.01	3.1	0.000
6.167	0.000	3.15	0.00	0.01	3.1	0.000
6.183	0.000	3.15	0.00	0.01	3.2	0.000
6.200	0.000	3.16	0.00	0.01	3.2	0.000
6.217	0.000	3.16	0.00	0.01	3.2	0.000
6.233	0.000	3.16	0.00	0.01	3.2	0.000
6.250	0.000	3.17	0.00	0.01	3.2	0.000
6.267	0.000	3.17	0.00	0.01	3.2	0.000
6.283	0.000	3.17	0.00	0.01	3.2	0.000
6.300	0.000	3.17	0.00	0.01	3.2	0.000
6.317	0.000	3.17	0.00	0.01	3.2	0.000
6.333	0.000	3.17	0.00	0.01	3.2	0.000
6.350	0.000	3.18	0.00	0.01	3.2	0.000
6.367	0.000	3.18	0.00	0.01	3.2	0.000
6.383	0.000	3.18	0.00	0.01	3.2	0.000
6.400	0.000	3.18	0.00	0.01	3.2	0.000
6.417	0.000	3.18	0.00	0.01	3.2	0.000
6.433	0.000	3.19	0.00	0.01	3.2	0.000
6.450	0.000	3.19	0.00	0.01	3.2	0.000
6.467	0.000	3.19	0.00	0.01	3.2	0.000
6.483	0.000	3.20	0.00	0.01	3.2	0.000
6.500	0.000	3.20	0.00	0.01	3.2	0.000
6.517	0.000	3.20	0.00	0.01	3.2	0.000
6.533	0.000	3.20	0.00	0.01	3.2	0.000
6.550	0.000	3.21	0.00	0.01	3.2	0.000
6.567	0.000	3.21	0.00	0.01	3.2	0.000
6.583	0.000	3.21	0.00	0.01	3.2	0.000
6.600	0.000	3.21	0.00	0.01	3.2	0.000
6.617	0.000	3.22	0.00	0.01	3.2	0.000
6.633	0.000	3.22	0.00	0.01	3.2	0.000
6.650	0.000	3.22	0.00	0.01	3.2	0.000
6.667	0.000	3.22	0.00	0.01	3.2	0.000
6.683	0.000	3.22	0.00	0.01	3.2	0.000
6.700	0.000	3.22	0.00	0.01	3.2	0.000
6.717	0.000	3.23	0.00	0.01	3.2	0.000

6.733	0.000	3.23	0.00	0.01	3.2	0.000
6.750	0.000	3.23	0.00	0.01	3.2	0.000
6.767	0.000	3.24	0.00	0.01	3.2	0.000
6.783	0.000	3.24	0.00	0.01	3.2	0.000
6.800	0.000	3.24	0.00	0.01	3.2	0.000
6.817	0.000	3.25	0.00	0.01	3.2	0.000
6.833	0.000	3.25	0.00	0.01	3.2	0.000
6.850	0.000	3.25	0.00	0.01	3.3	0.000
6.867	0.000	3.26	0.00	0.01	3.3	0.000
6.883	0.000	3.26	0.00	0.01	3.3	0.000
6.900	0.000	3.26	0.00	0.01	3.3	0.000
6.917	0.000	3.26	0.00	0.01	3.3	0.000
6.933	0.000	3.26	0.00	0.01	3.3	0.000
6.950	0.000	3.26	0.00	0.01	3.3	0.000
6.967	0.000	3.27	0.00	0.01	3.3	0.000
6.983	0.000	3.27	0.00	0.01	3.3	0.000
7.000	0.000	3.27	0.00	0.01	3.3	0.000
7.017	0.000	3.27	0.00	0.01	3.3	0.000
7.033	0.000	3.28	0.00	0.01	3.3	0.000
7.050	0.000	3.28	0.00	0.01	3.3	0.000
7.067	0.000	3.28	0.00	0.01	3.3	0.000
7.083	0.000	3.29	0.00	0.01	3.3	0.000
7.100	0.000	3.29	0.00	0.01	3.3	0.000
7.117	0.000	3.29	0.00	0.01	3.3	0.000
7.133	0.000	3.30	0.00	0.01	3.3	0.000
7.150	0.000	3.30	0.00	0.01	3.3	0.000
7.167	0.000	3.30	0.00	0.01	3.3	0.000
7.183	0.000	3.30	0.00	0.01	3.3	0.000
7.200	0.000	3.31	0.00	0.01	3.3	0.000
7.217	0.000	3.31	0.00	0.01	3.3	0.000
7.233	0.000	3.31	0.00	0.01	3.3	0.000
7.250	0.000	3.31	0.00	0.01	3.3	0.000
7.267	0.000	3.31	0.00	0.01	3.3	0.000
7.283	0.000	3.32	0.00	0.01	3.3	0.000
7.300	0.000	3.32	0.00	0.01	3.3	0.000
7.317	0.000	3.32	0.00	0.01	3.3	0.000
7.333	0.000	3.32	0.00	0.01	3.3	0.000
7.350	0.000	3.33	0.00	0.01	3.3	0.000
7.367	0.000	3.33	0.00	0.01	3.3	0.000
7.383	0.000	3.33	0.00	0.01	3.3	0.000
7.400	0.000	3.34	0.00	0.01	3.3	0.000
7.417	0.000	3.34	0.00	0.01	3.3	0.000
7.433	0.000	3.35	0.00	0.01	3.3	0.000
7.450	0.000	3.35	0.00	0.01	3.3	0.000
7.467	0.000	3.35	0.00	0.01	3.4	0.000
7.483	0.000	3.35	0.00	0.01	3.4	0.000
7.500	0.000	3.36	0.00	0.01	3.4	0.000
7.517	0.000	3.36	0.00	0.01	3.4	0.000
7.533	0.000	3.36	0.00	0.01	3.4	0.000
7.550	0.000	3.36	0.00	0.01	3.4	0.000
7.567	0.000	3.36	0.00	0.01	3.4	0.000
7.583	0.000	3.37	0.00	0.01	3.4	0.000
7.600	0.000	3.37	0.00	0.01	3.4	0.000
7.617	0.000	3.37	0.00	0.01	3.4	0.000
7.633	0.000	3.37	0.00	0.01	3.4	0.000
7.650	0.000	3.38	0.00	0.01	3.4	0.000
7.667	0.000	3.38	0.00	0.01	3.4	0.000
7.683	0.000	3.39	0.00	0.01	3.4	0.000
7.700	0.000	3.39	0.00	0.01	3.4	0.000
7.717	0.000	3.39	0.00	0.01	3.4	0.000
7.733	0.000	3.40	0.00	0.01	3.4	0.000
7.750	0.000	3.40	0.00	0.01	3.4	0.000
7.767	0.000	3.40	0.00	0.01	3.4	0.000
7.783	0.000	3.41	0.00	0.01	3.4	0.000
7.800	0.000	3.41	0.00	0.01	3.4	0.000
7.817	0.000	3.41	0.00	0.01	3.4	0.000
7.833	0.000	3.41	0.00	0.01	3.4	0.000
7.850	0.000	3.41	0.00	0.01	3.4	0.000
7.867	0.000	3.42	0.00	0.01	3.4	0.000
7.883	0.000	3.42	0.00	0.01	3.4	0.000
7.900	0.000	3.42	0.00	0.01	3.4	0.000
7.917	0.000	3.42	0.00	0.01	3.4	0.000

7.933	0.000	3.43	0.00	0.01	3.4	0.000
7.950	0.000	3.43	0.00	0.01	3.4	0.000
7.967	0.000	3.44	0.00	0.01	3.4	0.000
7.983	0.000	3.44	0.00	0.01	3.4	0.000
8.000	0.000	3.44	0.00	0.01	3.4	0.000
8.017	0.000	3.45	0.00	0.01	3.4	0.000
8.033	0.000	3.45	0.00	0.01	3.5	0.000
8.050	0.000	3.46	0.00	0.01	3.5	0.000
8.067	0.000	3.46	0.00	0.01	3.5	0.000
8.083	0.000	3.46	0.00	0.01	3.5	0.000
8.100	0.000	3.46	0.00	0.01	3.5	0.000
8.117	0.000	3.46	0.00	0.01	3.5	0.000
8.133	0.000	3.47	0.00	0.01	3.5	0.000
8.150	0.000	3.47	0.00	0.01	3.5	0.000
8.167	0.000	3.47	0.00	0.01	3.5	0.000
8.183	0.000	3.47	0.00	0.01	3.5	0.000
8.200	0.000	3.48	0.00	0.01	3.5	0.000
8.217	0.000	3.48	0.00	0.01	3.5	0.000
8.233	0.000	3.48	0.00	0.01	3.5	0.000
8.250	0.000	3.49	0.00	0.01	3.5	0.000
8.267	0.000	3.49	0.00	0.01	3.5	0.000
8.283	0.000	3.50	0.00	0.01	3.5	0.000
8.300	0.000	3.50	0.00	0.01	3.5	0.000
8.317	0.000	3.50	0.00	0.01	3.5	0.000
8.333	0.000	3.51	0.00	0.01	3.5	0.000
8.350	0.000	3.51	0.00	0.01	3.5	0.000
8.367	0.000	3.52	0.00	0.01	3.5	0.000
8.383	0.000	3.52	0.00	0.01	3.5	0.000
8.400	0.000	3.52	0.00	0.01	3.5	0.000
8.417	0.000	3.52	0.00	0.01	3.5	0.000
8.433	0.000	3.53	0.00	0.01	3.5	0.000
8.450	0.000	3.53	0.00	0.01	3.5	0.000
8.467	0.000	3.53	0.00	0.01	3.5	0.000
8.483	0.000	3.53	0.00	0.01	3.5	0.000
8.500	0.000	3.53	0.00	0.01	3.5	0.000
8.517	0.000	3.54	0.00	0.01	3.5	0.000
8.533	0.000	3.54	0.00	0.01	3.5	0.000
8.550	0.000	3.55	0.00	0.01	3.5	0.000
8.567	0.000	3.55	0.00	0.01	3.6	0.000
8.583	0.000	3.56	0.00	0.01	3.6	0.000
8.600	0.000	3.56	0.00	0.01	3.6	0.000
8.617	0.000	3.56	0.00	0.01	3.6	0.000
8.633	0.000	3.57	0.00	0.01	3.6	0.000
8.650	0.000	3.57	0.00	0.01	3.6	0.000
8.667	0.000	3.58	0.00	0.01	3.6	0.000
8.683	0.000	3.58	0.00	0.01	3.6	0.000
8.700	0.000	3.58	0.00	0.01	3.6	0.000
8.717	0.000	3.58	0.00	0.01	3.6	0.000
8.733	0.000	3.59	0.00	0.01	3.6	0.000
8.750	0.000	3.59	0.00	0.01	3.6	0.000
8.767	0.000	3.59	0.00	0.01	3.6	0.000
8.783	0.000	3.59	0.00	0.01	3.6	0.000
8.800	0.000	3.60	0.00	0.01	3.6	0.000
8.817	0.000	3.60	0.00	0.01	3.6	0.000
8.833	0.000	3.60	0.00	0.01	3.6	0.000
8.850	0.000	3.61	0.00	0.01	3.6	0.000
8.867	0.000	3.61	0.00	0.01	3.6	0.000
8.883	0.000	3.62	0.00	0.01	3.6	0.000
8.900	0.000	3.62	0.00	0.01	3.6	0.000
8.917	0.000	3.63	0.00	0.01	3.6	0.000
8.933	0.000	3.63	0.00	0.01	3.6	0.000
8.950	0.000	3.64	0.00	0.01	3.6	0.000
8.967	0.000	3.64	0.00	0.01	3.6	0.000
8.983	0.000	3.64	0.00	0.01	3.6	0.000
9.000	0.000	3.65	0.00	0.01	3.6	0.000
9.017	0.000	3.65	0.00	0.01	3.6	0.000
9.033	0.000	3.65	0.00	0.01	3.7	0.000
9.050	0.000	3.65	0.00	0.01	3.7	0.000
9.067	0.000	3.66	0.00	0.01	3.7	0.000
9.083	0.000	3.66	0.00	0.01	3.7	0.000
9.100	0.000	3.66	0.00	0.01	3.7	0.000
9.117	0.000	3.67	0.00	0.01	3.7	0.000

9.133	0.000	3.67	0.00	0.01	3.7	0.000
9.150	0.000	3.68	0.00	0.01	3.7	0.000
9.167	0.000	3.68	0.00	0.01	3.7	0.000
9.183	0.000	3.69	0.00	0.01	3.7	0.000
9.200	0.000	3.69	0.00	0.01	3.7	0.000
9.217	0.000	3.70	0.00	0.01	3.7	0.000
9.233	0.000	3.70	0.00	0.01	3.7	0.000
9.250	0.000	3.71	0.00	0.01	3.7	0.000
9.267	0.000	3.71	0.00	0.01	3.7	0.000
9.283	0.000	3.71	0.00	0.01	3.7	0.000
9.300	0.000	3.72	0.00	0.01	3.7	0.000
9.317	0.000	3.72	0.00	0.01	3.7	0.000
9.333	0.000	3.72	0.00	0.01	3.7	0.000
9.350	0.000	3.72	0.00	0.01	3.7	0.000
9.367	0.000	3.73	0.00	0.01	3.7	0.000
9.383	0.000	3.73	0.00	0.01	3.7	0.000
9.400	0.000	3.73	0.00	0.01	3.7	0.000
9.417	0.000	3.74	0.00	0.01	3.7	0.000
9.433	0.000	3.74	0.00	0.01	3.7	0.000
9.450	0.000	3.75	0.00	0.01	3.7	0.000
9.467	0.000	3.75	0.00	0.01	3.8	0.000
9.483	0.000	3.76	0.00	0.01	3.8	0.000
9.500	0.000	3.76	0.00	0.01	3.8	0.000
9.517	0.000	3.77	0.00	0.01	3.8	0.000
9.533	0.000	3.77	0.00	0.01	3.8	0.000
9.550	0.000	3.78	0.00	0.01	3.8	0.000
9.567	0.000	3.78	0.00	0.01	3.8	0.000
9.583	0.000	3.79	0.00	0.01	3.8	0.000
9.600	0.000	3.79	0.00	0.01	3.8	0.000
9.617	0.000	3.79	0.00	0.01	3.8	0.000
9.633	0.000	3.80	0.00	0.01	3.8	0.000
9.650	0.000	3.80	0.00	0.01	3.8	0.000
9.667	0.000	3.80	0.00	0.01	3.8	0.000
9.683	0.000	3.80	0.00	0.01	3.8	0.000
9.700	0.000	3.81	0.00	0.01	3.8	0.000
9.717	0.000	3.81	0.00	0.01	3.8	0.000
9.733	0.000	3.82	0.00	0.01	3.8	0.000
9.750	0.000	3.82	0.00	0.01	3.8	0.000
9.767	0.000	3.83	0.00	0.01	3.8	0.000
9.783	0.000	3.83	0.00	0.01	3.8	0.000
9.800	0.000	3.84	0.00	0.01	3.8	0.000
9.817	0.000	3.85	0.00	0.01	3.8	0.000
9.833	0.000	3.85	0.00	0.01	3.9	0.000
9.850	0.000	3.86	0.00	0.01	3.9	0.000
9.867	0.000	3.86	0.00	0.01	3.9	0.000
9.883	0.000	3.87	0.00	0.01	3.9	0.000
9.900	0.000	3.87	0.00	0.01	3.9	0.000
9.917	0.000	3.87	0.00	0.01	3.9	0.000
9.933	0.000	3.87	0.00	0.01	3.9	0.000
9.950	0.000	3.88	0.00	0.01	3.9	0.000
9.967	0.000	3.88	0.00	0.01	3.9	0.000
9.983	0.000	3.88	0.00	0.01	3.9	0.000
10.000	0.000	3.89	0.00	0.01	3.9	0.000
10.017	0.000	3.89	0.00	0.01	3.9	0.000
10.033	0.000	3.90	0.00	0.01	3.9	0.000
10.050	0.000	3.90	0.00	0.01	3.9	0.000
10.067	0.000	3.91	0.00	0.01	3.9	0.000
10.083	0.000	3.92	0.00	0.01	3.9	0.000
10.100	0.000	3.92	0.00	0.01	3.9	0.000
10.117	0.000	3.93	0.00	0.01	3.9	0.000
10.133	0.000	3.93	0.00	0.01	3.9	0.000
10.150	0.000	3.94	0.00	0.01	3.9	0.000
10.167	0.000	3.95	0.00	0.01	3.9	0.000
10.183	0.000	3.95	0.00	0.01	3.9	0.000
10.200	0.000	3.95	0.00	0.01	4.0	0.000
10.217	0.000	3.96	0.00	0.01	4.0	0.000
10.233	0.000	3.96	0.00	0.01	4.0	0.000
10.250	0.000	3.96	0.00	0.01	4.0	0.000
10.267	0.000	3.97	0.00	0.01	4.0	0.000
10.283	0.000	3.97	0.00	0.01	4.0	0.000
10.300	0.000	3.97	0.00	0.01	4.0	0.000
10.317	0.000	3.98	0.00	0.01	4.0	0.000

10.333	0.000	3.98	0.00	0.01	4.0	0.000
10.350	0.000	3.99	0.00	0.01	4.0	0.000
10.367	0.000	4.00	0.00	0.01	4.0	0.000
10.383	0.000	4.00	0.00	0.01	4.0	0.000
10.400	0.000	4.01	0.00	0.01	4.0	0.000
10.417	0.000	4.02	0.00	0.01	4.0	0.000
10.433	0.000	4.02	0.00	0.01	4.0	0.000
10.450	0.000	4.03	0.00	0.01	4.0	0.000
10.467	0.000	4.04	0.00	0.01	4.0	0.000
10.483	0.000	4.04	0.00	0.01	4.0	0.000
10.500	0.000	4.04	0.00	0.01	4.0	0.000
10.517	0.000	4.05	0.00	0.01	4.0	0.000
10.533	0.000	4.05	0.00	0.01	4.0	0.000
10.550	0.000	4.05	0.00	0.01	4.1	0.000
10.567	0.000	4.06	0.00	0.01	4.1	0.000
10.583	0.000	4.06	0.00	0.01	4.1	0.000
10.600	0.000	4.06	0.00	0.01	4.1	0.000
10.617	0.000	4.07	0.00	0.01	4.1	0.000
10.633	0.000	4.08	0.00	0.01	4.1	0.000
10.650	0.000	4.08	0.00	0.01	4.1	0.000
10.667	0.000	4.09	0.00	0.01	4.1	0.000
10.683	0.000	4.10	0.00	0.01	4.1	0.000
10.700	0.000	4.11	0.00	0.01	4.1	0.000
10.717	0.000	4.11	0.00	0.01	4.1	0.000
10.733	0.000	4.12	0.00	0.01	4.1	0.000
10.750	0.000	4.13	0.00	0.01	4.1	0.000
10.767	0.000	4.13	0.00	0.01	4.1	0.000
10.783	0.000	4.14	0.00	0.01	4.1	0.000
10.800	0.000	4.14	0.00	0.01	4.1	0.000
10.817	0.000	4.14	0.00	0.01	4.1	0.000
10.833	0.000	4.15	0.00	0.01	4.1	0.000
10.850	0.000	4.15	0.00	0.01	4.2	0.000
10.867	0.000	4.16	0.00	0.01	4.2	0.000
10.883	0.000	4.16	0.00	0.01	4.2	0.000
10.900	0.000	4.16	0.00	0.01	4.2	0.000
10.917	0.000	4.17	0.00	0.01	4.2	0.000
10.933	0.000	4.18	0.00	0.01	4.2	0.000
10.950	0.000	4.18	0.00	0.01	4.2	0.000
10.967	0.000	4.19	0.00	0.01	4.2	0.000
10.983	0.000	4.20	0.00	0.01	4.2	0.000
11.000	0.000	4.21	0.00	0.01	4.2	0.000
11.017	0.000	4.22	0.00	0.01	4.2	0.000
11.033	0.000	4.22	0.00	0.01	4.2	0.000
11.050	0.000	4.23	0.00	0.01	4.2	0.000
11.067	0.000	4.24	0.00	0.01	4.2	0.000
11.083	0.000	4.24	0.00	0.01	4.2	0.000
11.100	0.000	4.25	0.00	0.01	4.2	0.000
11.117	0.000	4.25	0.00	0.01	4.3	0.000
11.133	0.000	4.25	0.00	0.01	4.3	0.000
11.150	0.000	4.26	0.00	0.01	4.3	0.000
11.167	0.000	4.26	0.00	0.01	4.3	0.000
11.183	0.000	4.27	0.00	0.01	4.3	0.000
11.200	0.000	4.27	0.00	0.01	4.3	0.000
11.217	0.000	4.28	0.00	0.01	4.3	0.000
11.233	0.000	4.29	0.00	0.01	4.3	0.000
11.250	0.000	4.29	0.00	0.01	4.3	0.000
11.267	0.000	4.30	0.00	0.01	4.3	0.000
11.283	0.000	4.31	0.00	0.01	4.3	0.000
11.300	0.000	4.32	0.00	0.01	4.3	0.000
11.317	0.000	4.33	0.00	0.01	4.3	0.000
11.333	0.000	4.34	0.00	0.01	4.3	0.000
11.350	0.000	4.35	0.00	0.01	4.3	0.000
11.367	0.000	4.35	0.00	0.01	4.4	0.000
11.383	0.000	4.36	0.00	0.01	4.4	0.000
11.400	0.000	4.36	0.00	0.01	4.4	0.000
11.417	0.000	4.37	0.00	0.01	4.4	0.000
11.433	0.000	4.37	0.00	0.01	4.4	0.000
11.450	0.000	4.38	0.00	0.01	4.4	0.000
11.467	0.000	4.38	0.00	0.01	4.4	0.000
11.483	0.000	4.38	0.00	0.01	4.4	0.000
11.500	0.000	4.39	0.00	0.01	4.4	0.000
11.517	0.000	4.40	0.00	0.01	4.4	0.000

11.533	0.000	4.41	0.00	0.01	4.4	0.000
11.550	0.000	4.41	0.00	0.01	4.4	0.000
11.567	0.000	4.42	0.00	0.01	4.4	0.000
11.583	0.000	4.43	0.00	0.01	4.4	0.000
11.600	0.000	4.44	0.00	0.01	4.4	0.000
11.617	0.000	4.45	0.00	0.01	4.5	0.000
11.633	0.000	4.46	0.00	0.01	4.5	0.000
11.650	0.000	4.47	0.00	0.01	4.5	0.000
11.667	0.000	4.48	0.00	0.01	4.5	0.000
11.683	0.000	4.48	0.00	0.01	4.5	0.000
11.700	0.000	4.49	0.00	0.01	4.5	0.000
11.717	0.000	4.49	0.00	0.01	4.5	0.000
11.733	0.000	4.50	0.00	0.01	4.5	0.000
11.750	0.000	4.50	0.00	0.01	4.5	0.000
11.767	0.000	4.51	0.00	0.01	4.5	0.000
11.783	0.000	4.51	0.00	0.01	4.5	0.000
11.800	0.000	4.52	0.00	0.01	4.5	0.000
11.817	0.000	4.53	0.00	0.01	4.5	0.000
11.833	0.000	4.54	0.00	0.01	4.5	0.000
11.850	0.000	4.55	0.00	0.01	4.5	0.000
11.867	0.000	4.56	0.00	0.01	4.6	0.000
11.883	0.000	4.57	0.00	0.01	4.6	0.000
11.900	0.000	4.58	0.00	0.01	4.6	0.000
11.917	0.000	4.59	0.00	0.01	4.6	0.000
11.933	0.000	4.60	0.00	0.01	4.6	0.000
11.950	0.000	4.61	0.00	0.01	4.6	0.000
11.967	0.000	4.62	0.00	0.01	4.6	0.000
11.983	0.000	4.62	0.00	0.01	4.6	0.000
12.000	0.000	4.63	0.00	0.01	4.6	0.000
12.017	0.000	4.63	0.00	0.01	4.6	0.000
12.033	0.000	4.64	0.00	0.01	4.6	0.000
12.050	0.000	4.64	0.00	0.01	4.6	0.000
12.067	0.000	4.65	0.00	0.01	4.6	0.000
12.083	0.000	4.66	0.00	0.01	4.7	0.000
12.100	0.000	4.66	0.00	0.01	4.7	0.000
12.117	0.000	4.68	0.00	0.01	4.7	0.000
12.133	0.000	4.71	0.00	0.01	4.7	0.000
12.150	0.000	4.74	0.00	0.01	4.7	0.000
12.167	0.000	4.77	0.00	0.01	4.8	0.000
12.183	0.000	4.80	0.00	0.01	4.8	0.000
12.200	0.000	4.83	0.00	0.01	4.8	0.000
12.217	0.000	4.86	0.00	0.01	4.9	0.000
12.233	0.000	4.89	0.00	0.01	4.9	0.000
12.250	0.000	4.92	0.00	0.01	4.9	0.000
12.267	0.000	4.94	0.00	0.01	4.9	0.000
12.283	0.000	4.95	0.00	0.01	4.9	0.000
12.300	0.000	4.95	0.00	0.01	5.0	0.000
12.317	0.000	4.96	0.00	0.01	5.0	0.000
12.333	0.000	4.97	0.00	0.01	5.0	0.000
12.350	0.000	4.97	0.00	0.01	5.0	0.000
12.367	0.000	4.98	0.00	0.01	5.0	0.000
12.383	0.000	4.98	0.00	0.01	5.0	0.000
12.400	0.000	4.99	0.00	0.01	5.0	0.000
12.417	0.000	5.00	0.00	0.01	5.0	0.000
12.433	0.000	5.01	0.00	0.01	5.0	0.000
12.450	0.000	5.02	0.00	0.01	5.0	0.000
12.467	0.000	5.04	0.00	0.01	5.0	0.000
12.483	0.000	5.05	0.00	0.01	5.0	0.000
12.500	0.000	5.06	0.00	0.01	5.1	0.000
12.517	0.000	5.08	0.00	0.01	5.1	0.000
12.533	0.000	5.09	0.00	0.01	5.1	0.000
12.550	0.000	5.10	0.00	0.01	5.1	0.000
12.567	0.000	5.11	0.00	0.01	5.1	0.000
12.583	0.000	5.12	0.00	0.01	5.1	0.000
12.600	0.000	5.12	0.00	0.01	5.1	0.000
12.617	0.000	5.13	0.00	0.01	5.1	0.000
12.633	0.000	5.14	0.00	0.01	5.1	0.000
12.650	0.000	5.14	0.00	0.01	5.1	0.000
12.667	0.000	5.15	0.00	0.01	5.2	0.000
12.683	0.000	5.16	0.00	0.01	5.2	0.000
12.700	0.000	5.16	0.00	0.01	5.2	0.000
12.717	0.000	5.18	0.00	0.01	5.2	0.000

12.733	0.000	5.19	0.00	0.01	5.2	0.000
12.750	0.000	5.20	0.00	0.01	5.2	0.000
12.767	0.000	5.22	0.00	0.02	5.2	0.000
12.783	0.000	5.23	0.00	0.02	5.2	0.000
12.800	0.000	5.25	0.00	0.02	5.2	0.000
12.817	0.000	5.26	0.00	0.02	5.3	0.000
12.833	0.000	5.28	0.00	0.02	5.3	0.000
12.850	0.000	5.29	0.00	0.02	5.3	0.000
12.867	0.000	5.30	0.00	0.02	5.3	0.000
12.883	0.000	5.31	0.00	0.02	5.3	0.000
12.900	0.000	5.32	0.00	0.02	5.3	0.000
12.917	0.000	5.32	0.00	0.02	5.3	0.000
12.933	0.000	5.33	0.00	0.02	5.3	0.000
12.950	0.000	5.34	0.00	0.02	5.3	0.000
12.967	0.000	5.35	0.00	0.02	5.3	0.000
12.983	0.000	5.36	0.00	0.02	5.4	0.000
13.000	0.000	5.36	0.00	0.02	5.4	0.000
13.017	0.000	5.38	0.00	0.02	5.4	0.000
13.033	0.000	5.39	0.00	0.02	5.4	0.000
13.050	0.000	5.41	0.00	0.02	5.4	0.000
13.067	0.000	5.42	0.00	0.02	5.4	0.000
13.083	0.000	5.44	0.00	0.02	5.4	0.000
13.100	0.000	5.46	0.00	0.02	5.5	0.000
13.117	0.000	5.47	0.00	0.02	5.5	0.000
13.133	0.000	5.49	0.00	0.02	5.5	0.000
13.150	0.000	5.51	0.00	0.02	5.5	0.000
13.167	0.000	5.52	0.00	0.02	5.5	0.000
13.183	0.000	5.53	0.00	0.02	5.5	0.000
13.200	0.000	5.54	0.00	0.02	5.5	0.000
13.217	0.000	5.55	0.00	0.02	5.5	0.000
13.233	0.000	5.55	0.00	0.02	5.6	0.000
13.250	0.000	5.56	0.00	0.02	5.6	0.000
13.267	0.000	5.57	0.00	0.02	5.6	0.000
13.283	0.000	5.58	0.00	0.02	5.6	0.000
13.300	0.000	5.59	0.00	0.02	5.6	0.000
13.317	0.000	5.60	0.00	0.02	5.6	0.000
13.333	0.000	5.62	0.00	0.02	5.6	0.000
13.350	0.000	5.64	0.00	0.02	5.6	0.000
13.367	0.000	5.66	0.00	0.02	5.7	0.000
13.383	0.000	5.68	0.00	0.02	5.7	0.000
13.400	0.000	5.70	0.00	0.02	5.7	0.000
13.417	0.000	5.72	0.00	0.02	5.7	0.000
13.433	0.000	5.74	0.00	0.02	5.7	0.000
13.450	0.000	5.76	0.00	0.02	5.8	0.000
13.467	0.000	5.77	0.00	0.02	5.8	0.000
13.483	0.000	5.78	0.00	0.02	5.8	0.000
13.500	0.000	5.79	0.00	0.02	5.8	0.000
13.517	0.000	5.80	0.00	0.02	5.8	0.001
13.533	0.000	5.81	0.00	0.02	5.8	0.001
13.550	0.000	5.82	0.00	0.02	5.8	0.001
13.567	0.000	5.83	0.00	0.02	5.8	0.001
13.583	0.000	5.84	0.00	0.02	5.8	0.001
13.600	0.000	5.85	0.00	0.02	5.9	0.001
13.617	0.000	5.87	0.00	0.02	5.9	0.001
13.633	0.000	5.89	0.00	0.02	5.9	0.001
13.650	0.000	5.92	0.00	0.02	5.9	0.001
13.667	0.000	5.94	0.00	0.02	5.9	0.001
13.683	0.000	5.96	0.00	0.02	6.0	0.001
13.700	0.000	5.98	0.00	0.02	6.0	0.001
13.717	0.000	6.00	0.00	0.02	6.0	0.001
13.733	0.000	6.03	0.00	0.02	6.0	0.001
13.750	0.000	6.05	0.00	0.02	6.0	0.001
13.767	0.000	6.07	0.00	0.02	6.1	0.001
13.783	0.000	6.08	0.00	0.02	6.1	0.001
13.800	0.000	6.09	0.00	0.02	6.1	0.001
13.817	0.000	6.10	0.00	0.02	6.1	0.001
13.833	0.000	6.12	0.00	0.02	6.1	0.001
13.850	0.000	6.13	0.00	0.02	6.1	0.001
13.867	0.000	6.14	0.00	0.02	6.1	0.001
13.883	0.000	6.15	0.00	0.02	6.2	0.001
13.900	0.000	6.17	0.00	0.02	6.2	0.001
13.917	0.000	6.18	0.00	0.02	6.2	0.001

13.933	0.000	6.21	0.00	0.02	6.2	0.001
13.950	0.000	6.24	0.00	0.02	6.2	0.001
13.967	0.000	6.27	0.00	0.02	6.3	0.001
13.983	0.000	6.29	0.00	0.02	6.3	0.001
14.000	0.000	6.32	0.00	0.02	6.3	0.001
14.017	0.000	6.35	0.00	0.02	6.3	0.001
14.033	0.000	6.37	0.00	0.02	6.4	0.001
14.050	0.000	6.40	0.00	0.02	6.4	0.001
14.067	0.000	6.39	0.00	0.02	6.4	0.001
14.083	0.000	6.33	0.00	0.02	6.3	0.001
14.100	0.000	6.28	0.00	0.02	6.3	0.001
14.117	0.000	6.22	0.00	0.02	6.2	0.001
14.133	0.000	6.17	0.00	0.02	6.2	0.001
14.150	0.000	6.11	0.00	0.02	6.1	0.001
14.167	0.000	6.06	0.00	0.02	6.1	0.001
14.183	0.000	6.00	0.00	0.02	6.0	0.001
14.200	0.000	5.95	0.00	0.02	5.9	0.001
14.217	0.000	5.93	0.00	0.02	5.9	0.001
14.233	0.000	5.97	0.00	0.02	6.0	0.001
14.250	0.000	6.00	0.00	0.02	6.0	0.001
14.267	0.000	6.04	0.00	0.02	6.0	0.001
14.283	0.000	6.07	0.00	0.02	6.1	0.001
14.300	0.000	6.11	0.00	0.02	6.1	0.001
14.317	0.000	6.14	0.00	0.02	6.1	0.001
14.333	0.000	6.18	0.00	0.02	6.2	0.001
14.350	0.000	6.21	0.00	0.02	6.2	0.001
14.367	0.000	6.24	0.00	0.02	6.2	0.001
14.383	0.000	6.26	0.00	0.02	6.3	0.001
14.400	0.000	6.28	0.00	0.02	6.3	0.001
14.417	0.000	6.30	0.00	0.02	6.3	0.001
14.433	0.000	6.32	0.00	0.02	6.3	0.001
14.450	0.000	6.34	0.00	0.02	6.3	0.001
14.467	0.000	6.35	0.00	0.02	6.4	0.001
14.483	0.000	6.37	0.00	0.02	6.4	0.001
14.500	0.000	6.39	0.00	0.02	6.4	0.001
14.517	0.000	6.43	0.00	0.02	6.4	0.001
14.533	0.000	6.47	0.00	0.02	6.5	0.001
14.550	0.000	6.52	0.00	0.02	6.5	0.001
14.567	0.000	6.56	0.00	0.02	6.6	0.001
14.583	0.000	6.60	0.00	0.02	6.6	0.001
14.600	0.000	6.65	0.00	0.02	6.6	0.001
14.617	0.000	6.69	0.00	0.02	6.7	0.001
14.633	0.000	6.74	0.00	0.02	6.7	0.001
14.650	0.000	6.78	0.00	0.02	6.8	0.001
14.667	0.000	6.82	0.00	0.02	6.8	0.001
14.683	0.000	6.85	0.00	0.02	6.8	0.001
14.700	0.000	6.87	0.00	0.02	6.9	0.001
14.717	0.000	6.90	0.00	0.02	6.9	0.001
14.733	0.000	6.92	0.00	0.02	6.9	0.001
14.750	0.000	6.95	0.00	0.02	6.9	0.001
14.767	0.000	6.98	0.00	0.02	7.0	0.001
14.783	0.000	7.00	0.00	0.02	7.0	0.001
14.800	0.000	7.03	0.00	0.02	7.0	0.001
14.817	0.000	7.07	0.00	0.02	7.1	0.001
14.833	0.000	7.13	0.00	0.02	7.1	0.001
14.850	0.000	7.19	0.00	0.02	7.2	0.001
14.867	0.000	7.26	0.00	0.02	7.3	0.001
14.883	0.000	7.32	0.00	0.02	7.3	0.001
14.900	0.000	7.38	0.00	0.02	7.4	0.001
14.917	0.000	7.44	0.00	0.02	7.4	0.001
14.933	0.000	7.50	0.00	0.02	7.5	0.001
14.950	0.000	7.56	0.00	0.02	7.6	0.001
14.967	0.000	7.61	0.00	0.02	7.6	0.001
14.983	0.000	7.65	0.00	0.02	7.7	0.001
15.000	0.000	7.69	0.00	0.02	7.7	0.001
15.017	0.000	7.73	0.00	0.02	7.7	0.001
15.033	0.000	7.77	0.00	0.02	7.8	0.001
15.050	0.000	7.81	0.00	0.02	7.8	0.001
15.067	0.000	7.85	0.00	0.02	7.8	0.001
15.083	0.000	7.89	0.00	0.02	7.9	0.001
15.100	0.000	7.93	0.00	0.02	7.9	0.001
15.117	0.000	8.00	0.00	0.02	8.0	0.001

15.133	0.000	8.10	0.00	0.02	8.1	0.001
15.150	0.000	8.21	0.00	0.02	8.2	0.001
15.167	0.000	8.32	0.00	0.02	8.3	0.001
15.183	0.000	8.42	0.00	0.02	8.4	0.001
15.200	0.000	8.53	0.00	0.02	8.5	0.001
15.217	0.000	8.63	0.00	0.02	8.6	0.001
15.233	0.000	8.74	0.00	0.03	8.7	0.001
15.250	0.000	8.85	0.00	0.03	8.8	0.001
15.267	0.000	8.93	0.00	0.03	8.9	0.001
15.283	0.000	9.00	0.00	0.03	9.0	0.001
15.300	0.000	9.07	0.00	0.03	9.1	0.001
15.317	0.000	9.14	0.00	0.03	9.1	0.001
15.333	0.000	9.20	0.00	0.03	9.2	0.001
15.350	0.000	9.27	0.00	0.03	9.3	0.001
15.367	0.000	9.34	0.00	0.03	9.3	0.001
15.383	0.000	9.41	0.00	0.03	9.4	0.001
15.400	0.000	9.48	0.00	0.03	9.5	0.001
15.417	0.000	9.47	0.00	0.03	9.5	0.001
15.433	0.000	9.39	0.00	0.03	9.4	0.001
15.450	0.000	9.31	0.00	0.03	9.3	0.001
15.467	0.000	9.23	0.00	0.03	9.2	0.001
15.483	0.000	9.14	0.00	0.03	9.1	0.001
15.500	0.000	9.06	0.00	0.03	9.1	0.001
15.517	0.000	8.98	0.00	0.03	9.0	0.001
15.533	0.000	8.90	0.00	0.03	8.9	0.001
15.550	0.000	8.82	0.00	0.03	8.8	0.001
15.567	0.000	8.85	0.00	0.03	8.8	0.001
15.583	0.000	8.98	0.00	0.03	9.0	0.001
15.600	0.000	9.12	0.00	0.03	9.1	0.001
15.617	0.000	9.26	0.00	0.03	9.3	0.001
15.633	0.000	9.40	0.00	0.03	9.4	0.001
15.650	0.000	9.54	0.00	0.03	9.5	0.001
15.667	0.000	9.67	0.00	0.03	9.7	0.001
15.683	0.000	9.81	0.00	0.03	9.8	0.001
15.700	0.000	9.95	0.00	0.03	9.9	0.001
15.717	0.000	10.25	0.00	0.03	10.2	0.001
15.733	0.000	10.72	0.00	0.03	10.7	0.001
15.750	0.000	11.20	0.00	0.03	11.2	0.001
15.767	0.000	11.67	0.00	0.03	11.6	0.001
15.783	0.000	12.14	0.00	0.04	12.1	0.001
15.800	0.000	12.61	0.00	0.04	12.6	0.001
15.817	0.000	13.08	0.00	0.04	13.1	0.001
15.833	0.000	13.55	0.00	0.04	13.5	0.001
15.850	0.000	14.02	0.00	0.04	14.0	0.001
15.867	0.000	14.58	0.00	0.04	14.5	0.001
15.883	0.000	15.21	0.00	0.04	15.2	0.001
15.900	0.000	15.85	0.00	0.05	15.8	0.001
15.917	0.000	16.49	0.00	0.05	16.4	0.001
15.933	0.000	17.13	0.00	0.05	17.1	0.001
15.950	0.000	17.76	0.00	0.05	17.7	0.002
15.967	0.000	18.40	0.00	0.05	18.4	0.002
15.983	0.000	19.04	0.00	0.06	19.0	0.002
16.000	0.000	19.68	0.00	0.06	19.6	0.002
16.017	0.000	22.46	0.00	0.07	22.2	0.002
16.033	0.000	27.40	0.00	0.09	27.1	0.003
16.050	0.000	32.33	0.00	0.10	32.0	0.003
16.067	0.000	37.27	0.00	0.12	34.6	0.007
16.083	0.000	42.20	0.00	0.17	35.0	0.017
16.100	0.000	47.14	0.00	0.22	35.1	0.033
16.117	0.000	52.07	0.00	0.26	35.3	0.056
16.133	0.000	57.01	0.00	0.31	35.4	0.086
16.150	0.000	64.41	0.00	0.35	35.6	0.126
16.167	0.000	61.48	0.00	0.39	35.7	0.161
16.183	0.000	55.62	0.00	0.41	35.8	0.189
16.200	0.000	49.76	0.00	0.42	35.8	0.208
16.217	0.000	43.90	0.00	0.43	35.9	0.219
16.233	0.000	38.04	0.00	0.43	35.9	0.222
16.250	0.000	32.18	0.00	0.43	35.9	0.217
16.267	0.000	26.32	0.00	0.42	35.9	0.203
16.283	0.000	20.46	0.00	0.40	35.8	0.182
16.300	0.000	14.60	0.00	0.38	35.8	0.153
16.317	0.000	11.50	0.00	0.34	35.7	0.120

16.333	0.000	11.17	0.00	0.31	35.6	0.086
16.350	0.000	10.83	0.00	0.26	35.4	0.052
16.367	0.000	10.50	0.00	0.18	35.2	0.018
16.383	0.000	10.16	0.00	0.03	22.8	0.001
16.400	0.000	9.83	0.00	0.03	9.9	0.001
16.417	0.000	9.49	0.00	0.03	9.5	0.001
16.433	0.000	9.15	0.00	0.03	9.2	0.001
16.450	0.000	8.82	0.00	0.03	8.8	0.001
16.467	0.000	8.64	0.00	0.02	8.7	0.001
16.483	0.000	8.61	0.00	0.03	8.6	0.001
16.500	0.000	8.58	0.00	0.02	8.6	0.001
16.517	0.000	8.55	0.00	0.02	8.5	0.001
16.533	0.000	8.52	0.00	0.02	8.5	0.001
16.550	0.000	8.49	0.00	0.02	8.5	0.001
16.567	0.000	8.46	0.00	0.02	8.5	0.001
16.583	0.000	8.43	0.00	0.02	8.4	0.001
16.600	0.000	8.40	0.00	0.02	8.4	0.001
16.617	0.000	8.32	0.00	0.02	8.3	0.001
16.633	0.000	8.20	0.00	0.02	8.2	0.001
16.650	0.000	8.08	0.00	0.02	8.1	0.001
16.667	0.000	7.96	0.00	0.02	8.0	0.001
16.683	0.000	7.84	0.00	0.02	7.8	0.001
16.700	0.000	7.72	0.00	0.02	7.7	0.001
16.717	0.000	7.60	0.00	0.02	7.6	0.001
16.733	0.000	7.48	0.00	0.02	7.5	0.001
16.750	0.000	7.36	0.00	0.02	7.4	0.001
16.767	0.000	7.26	0.00	0.02	7.3	0.001
16.783	0.000	7.18	0.00	0.02	7.2	0.001
16.800	0.000	7.10	0.00	0.02	7.1	0.001
16.817	0.000	7.03	0.00	0.02	7.0	0.001
16.833	0.000	6.95	0.00	0.02	7.0	0.001
16.850	0.000	6.87	0.00	0.02	6.9	0.001
16.867	0.000	6.79	0.00	0.02	6.8	0.001
16.883	0.000	6.71	0.00	0.02	6.7	0.001
16.900	0.000	6.63	0.00	0.02	6.6	0.001
16.917	0.000	6.57	0.00	0.02	6.6	0.001
16.933	0.000	6.51	0.00	0.02	6.5	0.001
16.950	0.000	6.45	0.00	0.02	6.5	0.001
16.967	0.000	6.39	0.00	0.02	6.4	0.001
16.983	0.000	6.33	0.00	0.02	6.3	0.001
17.000	0.000	6.27	0.00	0.02	6.3	0.001
17.017	0.000	6.21	0.00	0.02	6.2	0.001
17.033	0.000	6.15	0.00	0.02	6.2	0.001
17.050	0.000	6.10	0.00	0.02	6.1	0.001
17.067	0.000	6.08	0.00	0.02	6.1	0.001
17.083	0.000	6.10	0.00	0.02	6.1	0.001
17.100	0.000	6.13	0.00	0.02	6.1	0.001
17.117	0.000	6.15	0.00	0.02	6.2	0.001
17.133	0.000	6.18	0.00	0.02	6.2	0.001
17.150	0.000	6.20	0.00	0.02	6.2	0.001
17.167	0.000	6.23	0.00	0.02	6.2	0.001
17.183	0.000	6.25	0.00	0.02	6.3	0.001
17.200	0.000	6.28	0.00	0.02	6.3	0.001
17.217	0.000	6.27	0.00	0.02	6.3	0.001
17.233	0.000	6.23	0.00	0.02	6.2	0.001
17.250	0.000	6.20	0.00	0.02	6.2	0.001
17.267	0.000	6.16	0.00	0.02	6.2	0.001
17.283	0.000	6.12	0.00	0.02	6.1	0.001
17.300	0.000	6.09	0.00	0.02	6.1	0.001
17.317	0.000	6.05	0.00	0.02	6.1	0.001
17.333	0.000	6.01	0.00	0.02	6.0	0.001
17.350	0.000	5.98	0.00	0.02	6.0	0.001
17.367	0.000	5.94	0.00	0.02	5.9	0.001
17.383	0.000	5.91	0.00	0.02	5.9	0.001
17.400	0.000	5.88	0.00	0.02	5.9	0.001
17.417	0.000	5.85	0.00	0.02	5.9	0.001
17.433	0.000	5.82	0.00	0.02	5.8	0.000
17.450	0.000	5.79	0.00	0.02	5.8	0.000
17.467	0.000	5.76	0.00	0.02	5.8	0.000
17.483	0.000	5.72	0.00	0.02	5.7	0.000
17.500	0.000	5.69	0.00	0.02	5.7	0.000
17.517	0.000	5.66	0.00	0.02	5.7	0.000

17.533	0.000	5.64	0.00	0.02	5.6	0.000
17.550	0.000	5.61	0.00	0.02	5.6	0.000
17.567	0.000	5.59	0.00	0.02	5.6	0.000
17.583	0.000	5.56	0.00	0.02	5.6	0.000
17.600	0.000	5.53	0.00	0.02	5.5	0.000
17.617	0.000	5.51	0.00	0.02	5.5	0.000
17.633	0.000	5.48	0.00	0.02	5.5	0.000
17.650	0.000	5.45	0.00	0.02	5.5	0.000
17.667	0.000	5.43	0.00	0.02	5.4	0.000
17.683	0.000	5.40	0.00	0.02	5.4	0.000
17.700	0.000	5.38	0.00	0.02	5.4	0.000
17.717	0.000	5.36	0.00	0.02	5.4	0.000
17.733	0.000	5.34	0.00	0.02	5.3	0.000
17.750	0.000	5.31	0.00	0.02	5.3	0.000
17.767	0.000	5.29	0.00	0.02	5.3	0.000
17.783	0.000	5.27	0.00	0.02	5.3	0.000
17.800	0.000	5.24	0.00	0.02	5.2	0.000
17.817	0.000	5.22	0.00	0.01	5.2	0.000
17.833	0.000	5.20	0.00	0.01	5.2	0.000
17.850	0.000	5.18	0.00	0.01	5.2	0.000
17.867	0.000	5.16	0.00	0.01	5.2	0.000
17.883	0.000	5.14	0.00	0.01	5.1	0.000
17.900	0.000	5.12	0.00	0.01	5.1	0.000
17.917	0.000	5.10	0.00	0.01	5.1	0.000
17.933	0.000	5.08	0.00	0.01	5.1	0.000
17.950	0.000	5.06	0.00	0.01	5.1	0.000
17.967	0.000	5.04	0.00	0.01	5.0	0.000
17.983	0.000	5.02	0.00	0.01	5.0	0.000
18.000	0.000	5.00	0.00	0.01	5.0	0.000
18.017	0.000	4.99	0.00	0.01	5.0	0.000
18.033	0.000	4.97	0.00	0.01	5.0	0.000
18.050	0.000	4.95	0.00	0.01	5.0	0.000
18.067	0.000	4.93	0.00	0.01	4.9	0.000
18.083	0.000	4.91	0.00	0.01	4.9	0.000
18.100	0.000	4.89	0.00	0.01	4.9	0.000
18.117	0.000	4.87	0.00	0.01	4.9	0.000
18.133	0.000	4.83	0.00	0.01	4.8	0.000
18.150	0.000	4.80	0.00	0.01	4.8	0.000
18.167	0.000	4.76	0.00	0.01	4.8	0.000
18.183	0.000	4.73	0.00	0.01	4.7	0.000
18.200	0.000	4.69	0.00	0.01	4.7	0.000
18.217	0.000	4.66	0.00	0.01	4.7	0.000
18.233	0.000	4.62	0.00	0.01	4.6	0.000
18.250	0.000	4.58	0.00	0.01	4.6	0.000
18.267	0.000	4.56	0.00	0.01	4.6	0.000
18.283	0.000	4.54	0.00	0.01	4.5	0.000
18.300	0.000	4.53	0.00	0.01	4.5	0.000
18.317	0.000	4.51	0.00	0.01	4.5	0.000
18.333	0.000	4.50	0.00	0.01	4.5	0.000
18.350	0.000	4.49	0.00	0.01	4.5	0.000
18.367	0.000	4.47	0.00	0.01	4.5	0.000
18.383	0.000	4.46	0.00	0.01	4.5	0.000
18.400	0.000	4.44	0.00	0.01	4.4	0.000
18.417	0.000	4.43	0.00	0.01	4.4	0.000
18.433	0.000	4.41	0.00	0.01	4.4	0.000
18.450	0.000	4.40	0.00	0.01	4.4	0.000
18.467	0.000	4.39	0.00	0.01	4.4	0.000
18.483	0.000	4.37	0.00	0.01	4.4	0.000
18.500	0.000	4.36	0.00	0.01	4.4	0.000
18.517	0.000	4.35	0.00	0.01	4.3	0.000
18.533	0.000	4.33	0.00	0.01	4.3	0.000
18.550	0.000	4.32	0.00	0.01	4.3	0.000
18.567	0.000	4.31	0.00	0.01	4.3	0.000
18.583	0.000	4.29	0.00	0.01	4.3	0.000
18.600	0.000	4.28	0.00	0.01	4.3	0.000
18.617	0.000	4.27	0.00	0.01	4.3	0.000
18.633	0.000	4.26	0.00	0.01	4.3	0.000
18.650	0.000	4.24	0.00	0.01	4.2	0.000
18.667	0.000	4.23	0.00	0.01	4.2	0.000
18.683	0.000	4.22	0.00	0.01	4.2	0.000
18.700	0.000	4.21	0.00	0.01	4.2	0.000
18.717	0.000	4.19	0.00	0.01	4.2	0.000

18.733	0.000	4.18	0.00	0.01	4.2	0.000
18.750	0.000	4.17	0.00	0.01	4.2	0.000
18.767	0.000	4.16	0.00	0.01	4.2	0.000
18.783	0.000	4.15	0.00	0.01	4.1	0.000
18.800	0.000	4.14	0.00	0.01	4.1	0.000
18.817	0.000	4.13	0.00	0.01	4.1	0.000
18.833	0.000	4.12	0.00	0.01	4.1	0.000
18.850	0.000	4.10	0.00	0.01	4.1	0.000
18.867	0.000	4.09	0.00	0.01	4.1	0.000
18.883	0.000	4.08	0.00	0.01	4.1	0.000
18.900	0.000	4.07	0.00	0.01	4.1	0.000
18.917	0.000	4.06	0.00	0.01	4.1	0.000
18.933	0.000	4.05	0.00	0.01	4.1	0.000
18.950	0.000	4.04	0.00	0.01	4.0	0.000
18.967	0.000	4.03	0.00	0.01	4.0	0.000
18.983	0.000	4.02	0.00	0.01	4.0	0.000
19.000	0.000	4.01	0.00	0.01	4.0	0.000
19.017	0.000	4.00	0.00	0.01	4.0	0.000
19.033	0.000	3.99	0.00	0.01	4.0	0.000
19.050	0.000	3.98	0.00	0.01	4.0	0.000
19.067	0.000	3.97	0.00	0.01	4.0	0.000
19.083	0.000	3.96	0.00	0.01	4.0	0.000
19.100	0.000	3.95	0.00	0.01	4.0	0.000
19.117	0.000	3.94	0.00	0.01	3.9	0.000
19.133	0.000	3.93	0.00	0.01	3.9	0.000
19.150	0.000	3.92	0.00	0.01	3.9	0.000
19.167	0.000	3.91	0.00	0.01	3.9	0.000
19.183	0.000	3.90	0.00	0.01	3.9	0.000
19.200	0.000	3.89	0.00	0.01	3.9	0.000
19.217	0.000	3.88	0.00	0.01	3.9	0.000
19.233	0.000	3.87	0.00	0.01	3.9	0.000
19.250	0.000	3.87	0.00	0.01	3.9	0.000
19.267	0.000	3.86	0.00	0.01	3.9	0.000
19.283	0.000	3.85	0.00	0.01	3.8	0.000
19.300	0.000	3.84	0.00	0.01	3.8	0.000
19.317	0.000	3.83	0.00	0.01	3.8	0.000
19.333	0.000	3.82	0.00	0.01	3.8	0.000
19.350	0.000	3.81	0.00	0.01	3.8	0.000
19.367	0.000	3.80	0.00	0.01	3.8	0.000
19.383	0.000	3.80	0.00	0.01	3.8	0.000
19.400	0.000	3.79	0.00	0.01	3.8	0.000
19.417	0.000	3.78	0.00	0.01	3.8	0.000
19.433	0.000	3.77	0.00	0.01	3.8	0.000
19.450	0.000	3.76	0.00	0.01	3.8	0.000
19.467	0.000	3.75	0.00	0.01	3.8	0.000
19.483	0.000	3.75	0.00	0.01	3.7	0.000
19.500	0.000	3.74	0.00	0.01	3.7	0.000
19.517	0.000	3.73	0.00	0.01	3.7	0.000
19.533	0.000	3.72	0.00	0.01	3.7	0.000
19.550	0.000	3.71	0.00	0.01	3.7	0.000
19.567	0.000	3.71	0.00	0.01	3.7	0.000
19.583	0.000	3.70	0.00	0.01	3.7	0.000
19.600	0.000	3.69	0.00	0.01	3.7	0.000
19.617	0.000	3.68	0.00	0.01	3.7	0.000
19.633	0.000	3.67	0.00	0.01	3.7	0.000
19.650	0.000	3.67	0.00	0.01	3.7	0.000
19.667	0.000	3.66	0.00	0.01	3.7	0.000
19.683	0.000	3.65	0.00	0.01	3.7	0.000
19.700	0.000	3.65	0.00	0.01	3.6	0.000
19.717	0.000	3.64	0.00	0.01	3.6	0.000
19.733	0.000	3.63	0.00	0.01	3.6	0.000
19.750	0.000	3.62	0.00	0.01	3.6	0.000
19.767	0.000	3.62	0.00	0.01	3.6	0.000
19.783	0.000	3.61	0.00	0.01	3.6	0.000
19.800	0.000	3.60	0.00	0.01	3.6	0.000
19.817	0.000	3.59	0.00	0.01	3.6	0.000
19.833	0.000	3.59	0.00	0.01	3.6	0.000
19.850	0.000	3.58	0.00	0.01	3.6	0.000
19.867	0.000	3.57	0.00	0.01	3.6	0.000
19.883	0.000	3.57	0.00	0.01	3.6	0.000
19.900	0.000	3.56	0.00	0.01	3.6	0.000
19.917	0.000	3.55	0.00	0.01	3.6	0.000

19.933	0.000	3.55	0.00	0.01	3.5	0.000
19.950	0.000	3.54	0.00	0.01	3.5	0.000
19.967	0.000	3.53	0.00	0.01	3.5	0.000
19.983	0.000	3.53	0.00	0.01	3.5	0.000
20.000	0.000	3.52	0.00	0.01	3.5	0.000
20.017	0.000	3.51	0.00	0.01	3.5	0.000
20.033	0.000	3.51	0.00	0.01	3.5	0.000
20.050	0.000	3.50	0.00	0.01	3.5	0.000
20.067	0.000	3.49	0.00	0.01	3.5	0.000
20.083	0.000	3.49	0.00	0.01	3.5	0.000
20.100	0.000	3.48	0.00	0.01	3.5	0.000
20.117	0.000	3.47	0.00	0.01	3.5	0.000
20.133	0.000	3.47	0.00	0.01	3.5	0.000
20.150	0.000	3.46	0.00	0.01	3.5	0.000
20.167	0.000	3.45	0.00	0.01	3.5	0.000
20.183	0.000	3.45	0.00	0.01	3.4	0.000
20.200	0.000	3.44	0.00	0.01	3.4	0.000
20.217	0.000	3.44	0.00	0.01	3.4	0.000
20.233	0.000	3.43	0.00	0.01	3.4	0.000
20.250	0.000	3.42	0.00	0.01	3.4	0.000
20.267	0.000	3.42	0.00	0.01	3.4	0.000
20.283	0.000	3.41	0.00	0.01	3.4	0.000
20.300	0.000	3.41	0.00	0.01	3.4	0.000
20.317	0.000	3.40	0.00	0.01	3.4	0.000
20.333	0.000	3.39	0.00	0.01	3.4	0.000
20.350	0.000	3.39	0.00	0.01	3.4	0.000
20.367	0.000	3.38	0.00	0.01	3.4	0.000
20.383	0.000	3.38	0.00	0.01	3.4	0.000
20.400	0.000	3.37	0.00	0.01	3.4	0.000
20.417	0.000	3.37	0.00	0.01	3.4	0.000
20.433	0.000	3.36	0.00	0.01	3.4	0.000
20.450	0.000	3.35	0.00	0.01	3.4	0.000
20.467	0.000	3.35	0.00	0.01	3.3	0.000
20.483	0.000	3.34	0.00	0.01	3.3	0.000
20.500	0.000	3.34	0.00	0.01	3.3	0.000
20.517	0.000	3.33	0.00	0.01	3.3	0.000
20.533	0.000	3.33	0.00	0.01	3.3	0.000
20.550	0.000	3.32	0.00	0.01	3.3	0.000
20.567	0.000	3.32	0.00	0.01	3.3	0.000
20.583	0.000	3.31	0.00	0.01	3.3	0.000
20.600	0.000	3.30	0.00	0.01	3.3	0.000
20.617	0.000	3.30	0.00	0.01	3.3	0.000
20.633	0.000	3.29	0.00	0.01	3.3	0.000
20.650	0.000	3.29	0.00	0.01	3.3	0.000
20.667	0.000	3.28	0.00	0.01	3.3	0.000
20.683	0.000	3.28	0.00	0.01	3.3	0.000
20.700	0.000	3.27	0.00	0.01	3.3	0.000
20.717	0.000	3.27	0.00	0.01	3.3	0.000
20.733	0.000	3.26	0.00	0.01	3.3	0.000
20.750	0.000	3.26	0.00	0.01	3.3	0.000
20.767	0.000	3.25	0.00	0.01	3.3	0.000
20.783	0.000	3.25	0.00	0.01	3.2	0.000
20.800	0.000	3.24	0.00	0.01	3.2	0.000
20.817	0.000	3.24	0.00	0.01	3.2	0.000
20.833	0.000	3.23	0.00	0.01	3.2	0.000
20.850	0.000	3.23	0.00	0.01	3.2	0.000
20.867	0.000	3.22	0.00	0.01	3.2	0.000
20.883	0.000	3.22	0.00	0.01	3.2	0.000
20.900	0.000	3.21	0.00	0.01	3.2	0.000
20.917	0.000	3.21	0.00	0.01	3.2	0.000
20.933	0.000	3.20	0.00	0.01	3.2	0.000
20.950	0.000	3.20	0.00	0.01	3.2	0.000
20.967	0.000	3.19	0.00	0.01	3.2	0.000
20.983	0.000	3.19	0.00	0.01	3.2	0.000
21.000	0.000	3.18	0.00	0.01	3.2	0.000
21.017	0.000	3.18	0.00	0.01	3.2	0.000
21.033	0.000	3.17	0.00	0.01	3.2	0.000
21.050	0.000	3.17	0.00	0.01	3.2	0.000
21.067	0.000	3.16	0.00	0.01	3.2	0.000
21.083	0.000	3.16	0.00	0.01	3.2	0.000
21.100	0.000	3.15	0.00	0.01	3.2	0.000
21.117	0.000	3.15	0.00	0.01	3.2	0.000

21.133	0.000	3.15	0.00	0.01	3.1	0.000
21.150	0.000	3.14	0.00	0.01	3.1	0.000
21.167	0.000	3.14	0.00	0.01	3.1	0.000
21.183	0.000	3.13	0.00	0.01	3.1	0.000
21.200	0.000	3.13	0.00	0.01	3.1	0.000
21.217	0.000	3.12	0.00	0.01	3.1	0.000
21.233	0.000	3.12	0.00	0.01	3.1	0.000
21.250	0.000	3.11	0.00	0.01	3.1	0.000
21.267	0.000	3.11	0.00	0.01	3.1	0.000
21.283	0.000	3.11	0.00	0.01	3.1	0.000
21.300	0.000	3.10	0.00	0.01	3.1	0.000
21.317	0.000	3.10	0.00	0.01	3.1	0.000
21.333	0.000	3.09	0.00	0.01	3.1	0.000
21.350	0.000	3.09	0.00	0.01	3.1	0.000
21.367	0.000	3.08	0.00	0.01	3.1	0.000
21.383	0.000	3.08	0.00	0.01	3.1	0.000
21.400	0.000	3.08	0.00	0.01	3.1	0.000
21.417	0.000	3.07	0.00	0.01	3.1	0.000
21.433	0.000	3.07	0.00	0.01	3.1	0.000
21.450	0.000	3.06	0.00	0.01	3.1	0.000
21.467	0.000	3.06	0.00	0.01	3.1	0.000
21.483	0.000	3.05	0.00	0.01	3.1	0.000
21.500	0.000	3.05	0.00	0.01	3.1	0.000
21.517	0.000	3.05	0.00	0.01	3.0	0.000
21.533	0.000	3.04	0.00	0.01	3.0	0.000
21.550	0.000	3.04	0.00	0.01	3.0	0.000
21.567	0.000	3.03	0.00	0.01	3.0	0.000
21.583	0.000	3.03	0.00	0.01	3.0	0.000
21.600	0.000	3.03	0.00	0.01	3.0	0.000
21.617	0.000	3.02	0.00	0.01	3.0	0.000
21.633	0.000	3.02	0.00	0.01	3.0	0.000
21.650	0.000	3.01	0.00	0.01	3.0	0.000
21.667	0.000	3.01	0.00	0.01	3.0	0.000
21.683	0.000	3.01	0.00	0.01	3.0	0.000
21.700	0.000	3.00	0.00	0.01	3.0	0.000
21.717	0.000	3.00	0.00	0.01	3.0	0.000
21.733	0.000	2.99	0.00	0.01	3.0	0.000
21.750	0.000	2.99	0.00	0.01	3.0	0.000
21.767	0.000	2.99	0.00	0.01	3.0	0.000
21.783	0.000	2.98	0.00	0.01	3.0	0.000
21.800	0.000	2.98	0.00	0.01	3.0	0.000
21.817	0.000	2.98	0.00	0.01	3.0	0.000
21.833	0.000	2.97	0.00	0.01	3.0	0.000
21.850	0.000	2.97	0.00	0.01	3.0	0.000
21.867	0.000	2.96	0.00	0.01	3.0	0.000
21.883	0.000	2.96	0.00	0.01	3.0	0.000
21.900	0.000	2.96	0.00	0.01	3.0	0.000
21.917	0.000	2.95	0.00	0.01	3.0	0.000
21.933	0.000	2.95	0.00	0.01	2.9	0.000
21.950	0.000	2.95	0.00	0.01	2.9	0.000
21.967	0.000	2.94	0.00	0.01	2.9	0.000
21.983	0.000	2.94	0.00	0.01	2.9	0.000
22.000	0.000	2.93	0.00	0.01	2.9	0.000
22.017	0.000	2.93	0.00	0.01	2.9	0.000
22.033	0.000	2.93	0.00	0.01	2.9	0.000
22.050	0.000	2.92	0.00	0.01	2.9	0.000
22.067	0.000	2.92	0.00	0.01	2.9	0.000
22.083	0.000	2.92	0.00	0.01	2.9	0.000
22.100	0.000	2.91	0.00	0.01	2.9	0.000
22.117	0.000	2.91	0.00	0.01	2.9	0.000
22.133	0.000	2.91	0.00	0.01	2.9	0.000
22.150	0.000	2.90	0.00	0.01	2.9	0.000
22.167	0.000	2.90	0.00	0.01	2.9	0.000
22.183	0.000	2.90	0.00	0.01	2.9	0.000
22.200	0.000	2.89	0.00	0.01	2.9	0.000
22.216	0.000	2.89	0.00	0.01	2.9	0.000
22.233	0.000	2.88	0.00	0.01	2.9	0.000
22.250	0.000	2.88	0.00	0.01	2.9	0.000
22.266	0.000	2.88	0.00	0.01	2.9	0.000
22.283	0.000	2.87	0.00	0.01	2.9	0.000
22.300	0.000	2.87	0.00	0.01	2.9	0.000
22.316	0.000	2.87	0.00	0.01	2.9	0.000

22.333	0.000	2.86	0.00	0.01	2.9	0.000
22.350	0.000	2.86	0.00	0.01	2.9	0.000
22.366	0.000	2.86	0.00	0.01	2.9	0.000
22.383	0.000	2.85	0.00	0.01	2.9	0.000
22.400	0.000	2.85	0.00	0.01	2.9	0.000
22.416	0.000	2.85	0.00	0.01	2.8	0.000
22.433	0.000	2.84	0.00	0.01	2.8	0.000
22.450	0.000	2.84	0.00	0.01	2.8	0.000
22.466	0.000	2.84	0.00	0.01	2.8	0.000
22.483	0.000	2.83	0.00	0.01	2.8	0.000
22.500	0.000	2.83	0.00	0.01	2.8	0.000
22.516	0.000	2.83	0.00	0.01	2.8	0.000
22.533	0.000	2.83	0.00	0.01	2.8	0.000
22.550	0.000	2.82	0.00	0.01	2.8	0.000
22.566	0.000	2.82	0.00	0.01	2.8	0.000
22.583	0.000	2.82	0.00	0.01	2.8	0.000
22.600	0.000	2.81	0.00	0.01	2.8	0.000
22.616	0.000	2.81	0.00	0.01	2.8	0.000
22.633	0.000	2.81	0.00	0.01	2.8	0.000
22.650	0.000	2.80	0.00	0.01	2.8	0.000
22.666	0.000	2.80	0.00	0.01	2.8	0.000
22.683	0.000	2.80	0.00	0.01	2.8	0.000
22.700	0.000	2.79	0.00	0.01	2.8	0.000
22.716	0.000	2.79	0.00	0.01	2.8	0.000
22.733	0.000	2.79	0.00	0.01	2.8	0.000
22.750	0.000	2.78	0.00	0.01	2.8	0.000
22.766	0.000	2.78	0.00	0.01	2.8	0.000
22.783	0.000	2.78	0.00	0.01	2.8	0.000
22.800	0.000	2.78	0.00	0.01	2.8	0.000
22.816	0.000	2.77	0.00	0.01	2.8	0.000
22.833	0.000	2.77	0.00	0.01	2.8	0.000
22.850	0.000	2.77	0.00	0.01	2.8	0.000
22.866	0.000	2.76	0.00	0.01	2.8	0.000
22.883	0.000	2.76	0.00	0.01	2.8	0.000
22.900	0.000	2.76	0.00	0.01	2.8	0.000
22.916	0.000	2.75	0.00	0.01	2.8	0.000
22.933	0.000	2.75	0.00	0.01	2.8	0.000
22.950	0.000	2.75	0.00	0.01	2.7	0.000
22.966	0.000	2.75	0.00	0.01	2.7	0.000
22.983	0.000	2.74	0.00	0.01	2.7	0.000
23.000	0.000	2.74	0.00	0.01	2.7	0.000
23.016	0.000	2.74	0.00	0.01	2.7	0.000
23.033	0.000	2.73	0.00	0.01	2.7	0.000
23.050	0.000	2.73	0.00	0.01	2.7	0.000
23.066	0.000	2.73	0.00	0.01	2.7	0.000
23.083	0.000	2.73	0.00	0.01	2.7	0.000
23.100	0.000	2.72	0.00	0.01	2.7	0.000
23.116	0.000	2.72	0.00	0.01	2.7	0.000
23.133	0.000	2.72	0.00	0.01	2.7	0.000
23.150	0.000	2.71	0.00	0.01	2.7	0.000
23.166	0.000	2.71	0.00	0.01	2.7	0.000
23.183	0.000	2.71	0.00	0.01	2.7	0.000
23.200	0.000	2.71	0.00	0.01	2.7	0.000
23.216	0.000	2.70	0.00	0.01	2.7	0.000
23.233	0.000	2.70	0.00	0.01	2.7	0.000
23.250	0.000	2.70	0.00	0.01	2.7	0.000
23.266	0.000	2.69	0.00	0.01	2.7	0.000
23.283	0.000	2.69	0.00	0.01	2.7	0.000
23.300	0.000	2.69	0.00	0.01	2.7	0.000
23.316	0.000	2.69	0.00	0.01	2.7	0.000
23.333	0.000	2.68	0.00	0.01	2.7	0.000
23.350	0.000	2.68	0.00	0.01	2.7	0.000
23.366	0.000	2.68	0.00	0.01	2.7	0.000
23.383	0.000	2.68	0.00	0.01	2.7	0.000
23.400	0.000	2.67	0.00	0.01	2.7	0.000
23.416	0.000	2.67	0.00	0.01	2.7	0.000
23.433	0.000	2.67	0.00	0.01	2.7	0.000
23.450	0.000	2.67	0.00	0.01	2.7	0.000
23.466	0.000	2.66	0.00	0.01	2.7	0.000
23.483	0.000	2.66	0.00	0.01	2.7	0.000
23.500	0.000	2.66	0.00	0.01	2.7	0.000
23.516	0.000	2.65	0.00	0.01	2.7	0.000

23.533	0.000	2.65	0.00	0.01	2.7	0.000
23.550	0.000	2.65	0.00	0.01	2.6	0.000
23.566	0.000	2.65	0.00	0.01	2.6	0.000
23.583	0.000	2.64	0.00	0.01	2.6	0.000
23.600	0.000	2.64	0.00	0.01	2.6	0.000
23.616	0.000	2.64	0.00	0.01	2.6	0.000
23.633	0.000	2.64	0.00	0.01	2.6	0.000
23.650	0.000	2.63	0.00	0.01	2.6	0.000
23.666	0.000	2.63	0.00	0.01	2.6	0.000
23.683	0.000	2.63	0.00	0.01	2.6	0.000
23.700	0.000	2.63	0.00	0.01	2.6	0.000
23.716	0.000	2.62	0.00	0.01	2.6	0.000
23.733	0.000	2.62	0.00	0.01	2.6	0.000
23.750	0.000	2.62	0.00	0.01	2.6	0.000
23.766	0.000	2.62	0.00	0.01	2.6	0.000
23.783	0.000	2.61	0.00	0.01	2.6	0.000
23.800	0.000	2.61	0.00	0.01	2.6	0.000
23.816	0.000	2.61	0.00	0.01	2.6	0.000
23.833	0.000	2.61	0.00	0.01	2.6	0.000
23.850	0.000	2.60	0.00	0.01	2.6	0.000
23.866	0.000	2.60	0.00	0.01	2.6	0.000
23.883	0.000	2.60	0.00	0.01	2.6	0.000
23.900	0.000	2.60	0.00	0.01	2.6	0.000
23.916	0.000	2.59	0.00	0.01	2.6	0.000
23.933	0.000	2.59	0.00	0.01	2.6	0.000
23.950	0.000	2.59	0.00	0.01	2.6	0.000
23.966	0.000	2.59	0.00	0.01	2.6	0.000
23.983	0.000	2.58	0.00	0.01	2.6	0.000
24.000	0.000	2.58	0.00	0.01	2.6	0.000
24.016	0.000	2.58	0.00	0.01	2.6	0.000
24.033	0.000	2.58	0.00	0.01	2.6	0.000
24.050	0.000	2.58	0.00	0.01	2.6	0.000
24.066	0.000	2.57	0.00	0.01	2.6	0.000
24.083	0.000	2.57	0.00	0.01	2.6	0.000
24.100	0.000	2.57	0.00	0.01	2.6	0.000
24.116	0.000	2.42	0.00	0.01	2.4	0.000
24.133	0.000	2.14	0.00	0.01	2.2	0.000
24.150	0.000	1.85	0.00	0.00	1.9	0.000
24.166	0.000	1.57	0.00	0.00	1.6	0.000
24.183	0.000	1.28	0.00	0.00	1.3	0.000
24.200	0.000	1.00	0.00	0.00	1.0	0.000
24.216	0.000	0.71	0.00	0.00	0.7	0.000
24.233	0.000	0.43	0.00	0.00	0.4	0.000
24.250	0.000	0.14	0.00	0.00	0.2	0.000
24.266	0.000	0.00	0.00	0.00	0.0	0.000
24.283	0.000	0.00	0.00	0.00	0.0	0.000
24.300	0.000	0.00	0.00	0.00	0.0	0.000
24.316	0.000	0.00	0.00	0.00	0.0	0.000
24.333	0.000	0.00	0.00	0.00	0.0	0.000
24.350	0.000	0.00	0.00	0.00	0.0	0.000
24.366	0.000	0.00	0.00	0.00	0.0	0.000
24.383	0.000	0.00	0.00	0.00	0.0	0.000
24.400	0.000	0.00	0.00	0.00	0.0	0.000
24.416	0.000	0.00	0.00	0.00	0.0	0.000
24.433	0.000	0.00	0.00	0.00	0.0	0.000
24.450	0.000	0.00	0.00	0.00	0.0	0.000
24.466	0.000	0.00	0.00	0.00	0.0	0.000
24.483	0.000	0.00	0.00	0.00	0.0	0.000
24.500	0.000	0.00	0.00	0.00	0.0	0.000
24.516	0.000	0.00	0.00	0.00	0.0	0.000
24.533	0.000	0.00	0.00	0.00	0.0	0.000
24.550	0.000	0.00	0.00	0.00	0.0	0.000
24.566	0.000	0.00	0.00	0.00	0.0	0.000
24.583	0.000	0.00	0.00	0.00	0.0	0.000
24.600	0.000	0.00	0.00	0.00	0.0	0.000
24.616	0.000	0.00	0.00	0.00	0.0	0.000
24.633	0.000	0.00	0.00	0.00	0.0	0.000
24.650	0.000	0.00	0.00	0.00	0.0	0.000
24.666	0.000	0.00	0.00	0.00	0.0	0.000
24.683	0.000	0.00	0.00	0.00	0.0	0.000
24.700	0.000	0.00	0.00	0.00	0.0	0.000
24.716	0.000	0.00	0.00	0.00	0.0	0.000

24.733	0.000	0.00	0.00	0.00	0.0	0.000
24.750	0.000	0.00	0.00	0.00	0.0	0.000
24.766	0.000	0.00	0.00	0.00	0.0	0.000
24.783	0.000	0.00	0.00	0.00	0.0	0.000
24.800	0.000	0.00	0.00	0.00	0.0	0.000
24.816	0.000	0.00	0.00	0.00	0.0	0.000
24.833	0.000	0.00	0.00	0.00	0.0	0.000
24.850	0.000	0.00	0.00	0.00	0.0	0.000
24.866	0.000	0.00	0.00	0.00	0.0	0.000
24.883	0.000	0.00	0.00	0.00	0.0	0.000
24.900	0.000	0.00	0.00	0.00	0.0	0.000
24.916	0.000	0.00	0.00	0.00	0.0	0.000
24.933	0.000	0.00	0.00	0.00	0.0	0.000
24.950	0.000	0.00	0.00	0.00	0.0	0.000
24.966	0.000	0.00	0.00	0.00	0.0	0.000
24.983	0.000	0.00	0.00	0.00	0.0	0.000
25.000	0.000	0.00	0.00	0.00	0.0	0.000
25.016	0.000	0.00	0.00	0.00	0.0	0.000
25.033	0.000	0.00	0.00	0.00	0.0	0.000
25.050	0.000	0.00	0.00	0.00	0.0	0.000
25.066	0.000	0.00	0.00	0.00	0.0	0.000
25.083	0.000	0.00	0.00	0.00	0.0	0.000
25.100	0.000	0.00	0.00	0.00	0.0	0.000
25.116	0.000	0.00	0.00	0.00	0.0	0.000
25.133	0.000	0.00	0.00	0.00	0.0	0.000
25.150	0.000	0.00	0.00	0.00	0.0	0.000
25.166	0.000	0.00	0.00	0.00	0.0	0.000
25.183	0.000	0.00	0.00	0.00	0.0	0.000
25.200	0.000	0.00	0.00	0.00	0.0	0.000
25.216	0.000	0.00	0.00	0.00	0.0	0.000
25.233	0.000	0.00	0.00	0.00	0.0	0.000
25.250	0.000	0.00	0.00	0.00	0.0	0.000
25.266	0.000	0.00	0.00	0.00	0.0	0.000
25.283	0.000	0.00	0.00	0.00	0.0	0.000
25.300	0.000	0.00	0.00	0.00	0.0	0.000
25.316	0.000	0.00	0.00	0.00	0.0	0.000
25.333	0.000	0.00	0.00	0.00	0.0	0.000
25.350	0.000	0.00	0.00	0.00	0.0	0.000
25.366	0.000	0.00	0.00	0.00	0.0	0.000
25.383	0.000	0.00	0.00	0.00	0.0	0.000
25.400	0.000	0.00	0.00	0.00	0.0	0.000
25.416	0.000	0.00	0.00	0.00	0.0	0.000
25.433	0.000	0.00	0.00	0.00	0.0	0.000
25.450	0.000	0.00	0.00	0.00	0.0	0.000
25.466	0.000	0.00	0.00	0.00	0.0	0.000
25.483	0.000	0.00	0.00	0.00	0.0	0.000
25.500	0.000	0.00	0.00	0.00	0.0	0.000
25.516	0.000	0.00	0.00	0.00	0.0	0.000
25.533	0.000	0.00	0.00	0.00	0.0	0.000
25.550	0.000	0.00	0.00	0.00	0.0	0.000
25.566	0.000	0.00	0.00	0.00	0.0	0.000
25.583	0.000	0.00	0.00	0.00	0.0	0.000
25.600	0.000	0.00	0.00	0.00	0.0	0.000
25.616	0.000	0.00	0.00	0.00	0.0	0.000
25.633	0.000	0.00	0.00	0.00	0.0	0.000
25.650	0.000	0.00	0.00	0.00	0.0	0.000
25.666	0.000	0.00	0.00	0.00	0.0	0.000
25.683	0.000	0.00	0.00	0.00	0.0	0.000
25.700	0.000	0.00	0.00	0.00	0.0	0.000
25.716	0.000	0.00	0.00	0.00	0.0	0.000
25.733	0.000	0.00	0.00	0.00	0.0	0.000
25.750	0.000	0.00	0.00	0.00	0.0	0.000
25.766	0.000	0.00	0.00	0.00	0.0	0.000
25.783	0.000	0.00	0.00	0.00	0.0	0.000
25.800	0.000	0.00	0.00	0.00	0.0	0.000
25.816	0.000	0.00	0.00	0.00	0.0	0.000
25.833	0.000	0.00	0.00	0.00	0.0	0.000
25.850	0.000	0.00	0.00	0.00	0.0	0.000
25.866	0.000	0.00	0.00	0.00	0.0	0.000
25.883	0.000	0.00	0.00	0.00	0.0	0.000
25.900	0.000	0.00	0.00	0.00	0.0	0.000
25.916	0.000	0.00	0.00	0.00	0.0	0.000

25.933	0.000	0.00	0.00	0.00	0.0	0.000
25.950	0.000	0.00	0.00	0.00	0.0	0.000
25.966	0.000	0.00	0.00	0.00	0.0	0.000
25.983	0.000	0.00	0.00	0.00	0.0	0.000
26.000	0.000	0.00	0.00	0.00	0.0	0.000
26.016	0.000	0.00	0.00	0.00	0.0	0.000
26.033	0.000	0.00	0.00	0.00	0.0	0.000
26.050	0.000	0.00	0.00	0.00	0.0	0.000
26.066	0.000	0.00	0.00	0.00	0.0	0.000
26.083	0.000	0.00	0.00	0.00	0.0	0.000
26.100	0.000	0.00	0.00	0.00	0.0	0.000
26.116	0.000	0.00	0.00	0.00	0.0	0.000
26.133	0.000	0.00	0.00	0.00	0.0	0.000
26.150	0.000	0.00	0.00	0.00	0.0	0.000
26.166	0.000	0.00	0.00	0.00	0.0	0.000
26.183	0.000	0.00	0.00	0.00	0.0	0.000
26.200	0.000	0.00	0.00	0.00	0.0	0.000
26.216	0.000	0.00	0.00	0.00	0.0	0.000
26.233	0.000	0.00	0.00	0.00	0.0	0.000
26.250	0.000	0.00	0.00	0.00	0.0	0.000
26.266	0.000	0.00	0.00	0.00	0.0	0.000
26.283	0.000	0.00	0.00	0.00	0.0	0.000
26.300	0.000	0.00	0.00	0.00	0.0	0.000
26.316	0.000	0.00	0.00	0.00	0.0	0.000
26.333	0.000	0.00	0.00	0.00	0.0	0.000
26.350	0.000	0.00	0.00	0.00	0.0	0.000
26.366	0.000	0.00	0.00	0.00	0.0	0.000
26.383	0.000	0.00	0.00	0.00	0.0	0.000
26.400	0.000	0.00	0.00	0.00	0.0	0.000
26.416	0.000	0.00	0.00	0.00	0.0	0.000
26.433	0.000	0.00	0.00	0.00	0.0	0.000
26.450	0.000	0.00	0.00	0.00	0.0	0.000
26.466	0.000	0.00	0.00	0.00	0.0	0.000
26.483	0.000	0.00	0.00	0.00	0.0	0.000
26.500	0.000	0.00	0.00	0.00	0.0	0.000
26.516	0.000	0.00	0.00	0.00	0.0	0.000
26.533	0.000	0.00	0.00	0.00	0.0	0.000
26.550	0.000	0.00	0.00	0.00	0.0	0.000
26.566	0.000	0.00	0.00	0.00	0.0	0.000
26.583	0.000	0.00	0.00	0.00	0.0	0.000
26.600	0.000	0.00	0.00	0.00	0.0	0.000
26.616	0.000	0.00	0.00	0.00	0.0	0.000
26.633	0.000	0.00	0.00	0.00	0.0	0.000
26.650	0.000	0.00	0.00	0.00	0.0	0.000
26.666	0.000	0.00	0.00	0.00	0.0	0.000
26.683	0.000	0.00	0.00	0.00	0.0	0.000
26.700	0.000	0.00	0.00	0.00	0.0	0.000
26.716	0.000	0.00	0.00	0.00	0.0	0.000
26.733	0.000	0.00	0.00	0.00	0.0	0.000
26.750	0.000	0.00	0.00	0.00	0.0	0.000
26.766	0.000	0.00	0.00	0.00	0.0	0.000
26.783	0.000	0.00	0.00	0.00	0.0	0.000
26.800	0.000	0.00	0.00	0.00	0.0	0.000
26.816	0.000	0.00	0.00	0.00	0.0	0.000
26.833	0.000	0.00	0.00	0.00	0.0	0.000
26.850	0.000	0.00	0.00	0.00	0.0	0.000
26.866	0.000	0.00	0.00	0.00	0.0	0.000
26.883	0.000	0.00	0.00	0.00	0.0	0.000
26.900	0.000	0.00	0.00	0.00	0.0	0.000
26.916	0.000	0.00	0.00	0.00	0.0	0.000
26.933	0.000	0.00	0.00	0.00	0.0	0.000
26.950	0.000	0.00	0.00	0.00	0.0	0.000
26.966	0.000	0.00	0.00	0.00	0.0	0.000
26.983	0.000	0.00	0.00	0.00	0.0	0.000
27.000	0.000	0.00	0.00	0.00	0.0	0.000
27.016	0.000	0.00	0.00	0.00	0.0	0.000
27.033	0.000	0.00	0.00	0.00	0.0	0.000
27.050	0.000	0.00	0.00	0.00	0.0	0.000
27.066	0.000	0.00	0.00	0.00	0.0	0.000
27.083	0.000	0.00	0.00	0.00	0.0	0.000
27.100	0.000	0.00	0.00	0.00	0.0	0.000
27.116	0.000	0.00	0.00	0.00	0.0	0.000

27.133	0.000	0.00	0.00	0.00	0.0	0.000
27.150	0.000	0.00	0.00	0.00	0.0	0.000
27.166	0.000	0.00	0.00	0.00	0.0	0.000
27.183	0.000	0.00	0.00	0.00	0.0	0.000
27.200	0.000	0.00	0.00	0.00	0.0	0.000
27.216	0.000	0.00	0.00	0.00	0.0	0.000
27.233	0.000	0.00	0.00	0.00	0.0	0.000
27.250	0.000	0.00	0.00	0.00	0.0	0.000
27.266	0.000	0.00	0.00	0.00	0.0	0.000
27.283	0.000	0.00	0.00	0.00	0.0	0.000
27.300	0.000	0.00	0.00	0.00	0.0	0.000
27.316	0.000	0.00	0.00	0.00	0.0	0.000
27.333	0.000	0.00	0.00	0.00	0.0	0.000
27.350	0.000	0.00	0.00	0.00	0.0	0.000
27.366	0.000	0.00	0.00	0.00	0.0	0.000
27.383	0.000	0.00	0.00	0.00	0.0	0.000
27.400	0.000	0.00	0.00	0.00	0.0	0.000
27.416	0.000	0.00	0.00	0.00	0.0	0.000
27.433	0.000	0.00	0.00	0.00	0.0	0.000
27.450	0.000	0.00	0.00	0.00	0.0	0.000
27.466	0.000	0.00	0.00	0.00	0.0	0.000
27.483	0.000	0.00	0.00	0.00	0.0	0.000
27.500	0.000	0.00	0.00	0.00	0.0	0.000
27.516	0.000	0.00	0.00	0.00	0.0	0.000
27.533	0.000	0.00	0.00	0.00	0.0	0.000
27.550	0.000	0.00	0.00	0.00	0.0	0.000
27.566	0.000	0.00	0.00	0.00	0.0	0.000
27.583	0.000	0.00	0.00	0.00	0.0	0.000
27.600	0.000	0.00	0.00	0.00	0.0	0.000
27.616	0.000	0.00	0.00	0.00	0.0	0.000
27.633	0.000	0.00	0.00	0.00	0.0	0.000
27.650	0.000	0.00	0.00	0.00	0.0	0.000
27.666	0.000	0.00	0.00	0.00	0.0	0.000
27.683	0.000	0.00	0.00	0.00	0.0	0.000
27.700	0.000	0.00	0.00	0.00	0.0	0.000
27.716	0.000	0.00	0.00	0.00	0.0	0.000
27.733	0.000	0.00	0.00	0.00	0.0	0.000
27.750	0.000	0.00	0.00	0.00	0.0	0.000
27.766	0.000	0.00	0.00	0.00	0.0	0.000
27.783	0.000	0.00	0.00	0.00	0.0	0.000
27.800	0.000	0.00	0.00	0.00	0.0	0.000
27.816	0.000	0.00	0.00	0.00	0.0	0.000
27.833	0.000	0.00	0.00	0.00	0.0	0.000
27.850	0.000	0.00	0.00	0.00	0.0	0.000
27.866	0.000	0.00	0.00	0.00	0.0	0.000
27.883	0.000	0.00	0.00	0.00	0.0	0.000
27.900	0.000	0.00	0.00	0.00	0.0	0.000
27.916	0.000	0.00	0.00	0.00	0.0	0.000
27.933	0.000	0.00	0.00	0.00	0.0	0.000
27.950	0.000	0.00	0.00	0.00	0.0	0.000
27.966	0.000	0.00	0.00	0.00	0.0	0.000
27.983	0.000	0.00	0.00	0.00	0.0	0.000
28.000	0.000	0.00	0.00	0.00	0.0	0.000
28.016	0.000	0.00	0.00	0.00	0.0	0.000
28.033	0.000	0.00	0.00	0.00	0.0	0.000
28.050	0.000	0.00	0.00	0.00	0.0	0.000
28.066	0.000	0.00	0.00	0.00	0.0	0.000
28.083	0.000	0.00	0.00	0.00	0.0	0.000
28.100	0.000	0.00	0.00	0.00	0.0	0.000
28.116	0.000	0.00	0.00	0.00	0.0	0.000
28.133	0.000	0.00	0.00	0.00	0.0	0.000
28.150	0.000	0.00	0.00	0.00	0.0	0.000
28.166	0.000	0.00	0.00	0.00	0.0	0.000
28.183	0.000	0.00	0.00	0.00	0.0	0.000
28.200	0.000	0.00	0.00	0.00	0.0	0.000
28.216	0.000	0.00	0.00	0.00	0.0	0.000
28.233	0.000	0.00	0.00	0.00	0.0	0.000
28.250	0.000	0.00	0.00	0.00	0.0	0.000
28.266	0.000	0.00	0.00	0.00	0.0	0.000
28.283	0.000	0.00	0.00	0.00	0.0	0.000
28.300	0.000	0.00	0.00	0.00	0.0	0.000
28.316	0.000	0.00	0.00	0.00	0.0	0.000

28.333	0.000	0.00	0.00	0.00	0.0	0.000
28.350	0.000	0.00	0.00	0.00	0.0	0.000
28.366	0.000	0.00	0.00	0.00	0.0	0.000
28.383	0.000	0.00	0.00	0.00	0.0	0.000
28.400	0.000	0.00	0.00	0.00	0.0	0.000
28.416	0.000	0.00	0.00	0.00	0.0	0.000
28.433	0.000	0.00	0.00	0.00	0.0	0.000
28.450	0.000	0.00	0.00	0.00	0.0	0.000
28.466	0.000	0.00	0.00	0.00	0.0	0.000
28.483	0.000	0.00	0.00	0.00	0.0	0.000
28.500	0.000	0.00	0.00	0.00	0.0	0.000
28.516	0.000	0.00	0.00	0.00	0.0	0.000
28.533	0.000	0.00	0.00	0.00	0.0	0.000
28.550	0.000	0.00	0.00	0.00	0.0	0.000
28.566	0.000	0.00	0.00	0.00	0.0	0.000
28.583	0.000	0.00	0.00	0.00	0.0	0.000
28.600	0.000	0.00	0.00	0.00	0.0	0.000
28.616	0.000	0.00	0.00	0.00	0.0	0.000
28.633	0.000	0.00	0.00	0.00	0.0	0.000
28.650	0.000	0.00	0.00	0.00	0.0	0.000
28.666	0.000	0.00	0.00	0.00	0.0	0.000
28.683	0.000	0.00	0.00	0.00	0.0	0.000
28.700	0.000	0.00	0.00	0.00	0.0	0.000
28.716	0.000	0.00	0.00	0.00	0.0	0.000
28.733	0.000	0.00	0.00	0.00	0.0	0.000
28.750	0.000	0.00	0.00	0.00	0.0	0.000
28.766	0.000	0.00	0.00	0.00	0.0	0.000
28.783	0.000	0.00	0.00	0.00	0.0	0.000
28.800	0.000	0.00	0.00	0.00	0.0	0.000
28.816	0.000	0.00	0.00	0.00	0.0	0.000
28.833	0.000	0.00	0.00	0.00	0.0	0.000
28.850	0.000	0.00	0.00	0.00	0.0	0.000
28.866	0.000	0.00	0.00	0.00	0.0	0.000
28.883	0.000	0.00	0.00	0.00	0.0	0.000
28.900	0.000	0.00	0.00	0.00	0.0	0.000
28.916	0.000	0.00	0.00	0.00	0.0	0.000
28.933	0.000	0.00	0.00	0.00	0.0	0.000
28.950	0.000	0.00	0.00	0.00	0.0	0.000
28.966	0.000	0.00	0.00	0.00	0.0	0.000
28.983	0.000	0.00	0.00	0.00	0.0	0.000
29.000	0.000	0.00	0.00	0.00	0.0	0.000
29.016	0.000	0.00	0.00	0.00	0.0	0.000
29.033	0.000	0.00	0.00	0.00	0.0	0.000
29.050	0.000	0.00	0.00	0.00	0.0	0.000
29.066	0.000	0.00	0.00	0.00	0.0	0.000
29.083	0.000	0.00	0.00	0.00	0.0	0.000
29.100	0.000	0.00	0.00	0.00	0.0	0.000
29.116	0.000	0.00	0.00	0.00	0.0	0.000
29.133	0.000	0.00	0.00	0.00	0.0	0.000
29.150	0.000	0.00	0.00	0.00	0.0	0.000
29.166	0.000	0.00	0.00	0.00	0.0	0.000
29.183	0.000	0.00	0.00	0.00	0.0	0.000
29.200	0.000	0.00	0.00	0.00	0.0	0.000
29.216	0.000	0.00	0.00	0.00	0.0	0.000
29.233	0.000	0.00	0.00	0.00	0.0	0.000
29.250	0.000	0.00	0.00	0.00	0.0	0.000
29.266	0.000	0.00	0.00	0.00	0.0	0.000
29.283	0.000	0.00	0.00	0.00	0.0	0.000
29.300	0.000	0.00	0.00	0.00	0.0	0.000
29.316	0.000	0.00	0.00	0.00	0.0	0.000
29.333	0.000	0.00	0.00	0.00	0.0	0.000
29.350	0.000	0.00	0.00	0.00	0.0	0.000
29.366	0.000	0.00	0.00	0.00	0.0	0.000
29.383	0.000	0.00	0.00	0.00	0.0	0.000
29.400	0.000	0.00	0.00	0.00	0.0	0.000
29.416	0.000	0.00	0.00	0.00	0.0	0.000
29.433	0.000	0.00	0.00	0.00	0.0	0.000
29.450	0.000	0.00	0.00	0.00	0.0	0.000
29.466	0.000	0.00	0.00	0.00	0.0	0.000
29.483	0.000	0.00	0.00	0.00	0.0	0.000
29.500	0.000	0.00	0.00	0.00	0.0	0.000
29.516	0.000	0.00	0.00	0.00	0.0	0.000

29.533	0.000	0.00	0.00	0.00	0.0	0.000
29.550	0.000	0.00	0.00	0.00	0.0	0.000
29.566	0.000	0.00	0.00	0.00	0.0	0.000
29.583	0.000	0.00	0.00	0.00	0.0	0.000
29.600	0.000	0.00	0.00	0.00	0.0	0.000
29.616	0.000	0.00	0.00	0.00	0.0	0.000
29.633	0.000	0.00	0.00	0.00	0.0	0.000
29.650	0.000	0.00	0.00	0.00	0.0	0.000
29.666	0.000	0.00	0.00	0.00	0.0	0.000
29.683	0.000	0.00	0.00	0.00	0.0	0.000
29.700	0.000	0.00	0.00	0.00	0.0	0.000
29.716	0.000	0.00	0.00	0.00	0.0	0.000
29.733	0.000	0.00	0.00	0.00	0.0	0.000
29.750	0.000	0.00	0.00	0.00	0.0	0.000
29.766	0.000	0.00	0.00	0.00	0.0	0.000
29.783	0.000	0.00	0.00	0.00	0.0	0.000
29.800	0.000	0.00	0.00	0.00	0.0	0.000
29.816	0.000	0.00	0.00	0.00	0.0	0.000
29.833	0.000	0.00	0.00	0.00	0.0	0.000
29.850	0.000	0.00	0.00	0.00	0.0	0.000
29.866	0.000	0.00	0.00	0.00	0.0	0.000
29.883	0.000	0.00	0.00	0.00	0.0	0.000
29.900	0.000	0.00	0.00	0.00	0.0	0.000
29.916	0.000	0.00	0.00	0.00	0.0	0.000
29.933	0.000	0.00	0.00	0.00	0.0	0.000
29.950	0.000	0.00	0.00	0.00	0.0	0.000
29.966	0.000	0.00	0.00	0.00	0.0	0.000
29.983	0.000	0.00	0.00	0.00	0.0	0.000
30.000	0.000	0.00	0.00	0.00	0.0	0.000
30.016	0.000	0.00	0.00	0.00	0.0	0.000
30.033	0.000	0.00	0.00	0.00	0.0	0.000
30.050	0.000	0.00	0.00	0.00	0.0	0.000
30.066	0.000	0.00	0.00	0.00	0.0	0.000
30.083	0.000	0.00	0.00	0.00	0.0	0.000
30.100	0.000	0.00	0.00	0.00	0.0	0.000
30.116	0.000	0.00	0.00	0.00	0.0	0.000
30.133	0.000	0.00	0.00	0.00	0.0	0.000
30.150	0.000	0.00	0.00	0.00	0.0	0.000
30.166	0.000	0.00	0.00	0.00	0.0	0.000
30.183	0.000	0.00	0.00	0.00	0.0	0.000
30.200	0.000	0.00	0.00	0.00	0.0	0.000
30.216	0.000	0.00	0.00	0.00	0.0	0.000
30.233	0.000	0.00	0.00	0.00	0.0	0.000
30.250	0.000	0.00	0.00	0.00	0.0	0.000
30.266	0.000	0.00	0.00	0.00	0.0	0.000
30.283	0.000	0.00	0.00	0.00	0.0	0.000
30.300	0.000	0.00	0.00	0.00	0.0	0.000
30.316	0.000	0.00	0.00	0.00	0.0	0.000
30.333	0.000	0.00	0.00	0.00	0.0	0.000
30.350	0.000	0.00	0.00	0.00	0.0	0.000
30.366	0.000	0.00	0.00	0.00	0.0	0.000
30.383	0.000	0.00	0.00	0.00	0.0	0.000
30.400	0.000	0.00	0.00	0.00	0.0	0.000
30.416	0.000	0.00	0.00	0.00	0.0	0.000
30.433	0.000	0.00	0.00	0.00	0.0	0.000
30.450	0.000	0.00	0.00	0.00	0.0	0.000
30.466	0.000	0.00	0.00	0.00	0.0	0.000
30.483	0.000	0.00	0.00	0.00	0.0	0.000
30.500	0.000	0.00	0.00	0.00	0.0	0.000
30.516	0.000	0.00	0.00	0.00	0.0	0.000
30.533	0.000	0.00	0.00	0.00	0.0	0.000
30.550	0.000	0.00	0.00	0.00	0.0	0.000
30.566	0.000	0.00	0.00	0.00	0.0	0.000
30.583	0.000	0.00	0.00	0.00	0.0	0.000
30.600	0.000	0.00	0.00	0.00	0.0	0.000
30.616	0.000	0.00	0.00	0.00	0.0	0.000
30.633	0.000	0.00	0.00	0.00	0.0	0.000
30.650	0.000	0.00	0.00	0.00	0.0	0.000
30.666	0.000	0.00	0.00	0.00	0.0	0.000
30.683	0.000	0.00	0.00	0.00	0.0	0.000
30.700	0.000	0.00	0.00	0.00	0.0	0.000
30.716	0.000	0.00	0.00	0.00	0.0	0.000

30.733	0.000	0.00	0.00	0.00	0.0	0.000
30.750	0.000	0.00	0.00	0.00	0.0	0.000
30.766	0.000	0.00	0.00	0.00	0.0	0.000
30.783	0.000	0.00	0.00	0.00	0.0	0.000
30.800	0.000	0.00	0.00	0.00	0.0	0.000
30.816	0.000	0.00	0.00	0.00	0.0	0.000
30.833	0.000	0.00	0.00	0.00	0.0	0.000
30.850	0.000	0.00	0.00	0.00	0.0	0.000
30.866	0.000	0.00	0.00	0.00	0.0	0.000
30.883	0.000	0.00	0.00	0.00	0.0	0.000
30.900	0.000	0.00	0.00	0.00	0.0	0.000
30.916	0.000	0.00	0.00	0.00	0.0	0.000
30.933	0.000	0.00	0.00	0.00	0.0	0.000
30.950	0.000	0.00	0.00	0.00	0.0	0.000
30.966	0.000	0.00	0.00	0.00	0.0	0.000
30.983	0.000	0.00	0.00	0.00	0.0	0.000
31.000	0.000	0.00	0.00	0.00	0.0	0.000
31.016	0.000	0.00	0.00	0.00	0.0	0.000
31.033	0.000	0.00	0.00	0.00	0.0	0.000
31.050	0.000	0.00	0.00	0.00	0.0	0.000
31.066	0.000	0.00	0.00	0.00	0.0	0.000
31.083	0.000	0.00	0.00	0.00	0.0	0.000
31.100	0.000	0.00	0.00	0.00	0.0	0.000
31.116	0.000	0.00	0.00	0.00	0.0	0.000
31.133	0.000	0.00	0.00	0.00	0.0	0.000
31.150	0.000	0.00	0.00	0.00	0.0	0.000
31.166	0.000	0.00	0.00	0.00	0.0	0.000
31.183	0.000	0.00	0.00	0.00	0.0	0.000
31.200	0.000	0.00	0.00	0.00	0.0	0.000
31.216	0.000	0.00	0.00	0.00	0.0	0.000
31.233	0.000	0.00	0.00	0.00	0.0	0.000
31.250	0.000	0.00	0.00	0.00	0.0	0.000
31.266	0.000	0.00	0.00	0.00	0.0	0.000
31.283	0.000	0.00	0.00	0.00	0.0	0.000
31.300	0.000	0.00	0.00	0.00	0.0	0.000
31.316	0.000	0.00	0.00	0.00	0.0	0.000
31.333	0.000	0.00	0.00	0.00	0.0	0.000
31.350	0.000	0.00	0.00	0.00	0.0	0.000
31.366	0.000	0.00	0.00	0.00	0.0	0.000
31.383	0.000	0.00	0.00	0.00	0.0	0.000
31.400	0.000	0.00	0.00	0.00	0.0	0.000
31.416	0.000	0.00	0.00	0.00	0.0	0.000
31.433	0.000	0.00	0.00	0.00	0.0	0.000
31.450	0.000	0.00	0.00	0.00	0.0	0.000
31.466	0.000	0.00	0.00	0.00	0.0	0.000
31.483	0.000	0.00	0.00	0.00	0.0	0.000
31.500	0.000	0.00	0.00	0.00	0.0	0.000
31.516	0.000	0.00	0.00	0.00	0.0	0.000
31.533	0.000	0.00	0.00	0.00	0.0	0.000
31.550	0.000	0.00	0.00	0.00	0.0	0.000
31.566	0.000	0.00	0.00	0.00	0.0	0.000
31.583	0.000	0.00	0.00	0.00	0.0	0.000
31.600	0.000	0.00	0.00	0.00	0.0	0.000
31.616	0.000	0.00	0.00	0.00	0.0	0.000
31.633	0.000	0.00	0.00	0.00	0.0	0.000
31.650	0.000	0.00	0.00	0.00	0.0	0.000
31.666	0.000	0.00	0.00	0.00	0.0	0.000
31.683	0.000	0.00	0.00	0.00	0.0	0.000
31.700	0.000	0.00	0.00	0.00	0.0	0.000
31.716	0.000	0.00	0.00	0.00	0.0	0.000
31.733	0.000	0.00	0.00	0.00	0.0	0.000
31.750	0.000	0.00	0.00	0.00	0.0	0.000
31.766	0.000	0.00	0.00	0.00	0.0	0.000
31.783	0.000	0.00	0.00	0.00	0.0	0.000
31.800	0.000	0.00	0.00	0.00	0.0	0.000
31.816	0.000	0.00	0.00	0.00	0.0	0.000
31.833	0.000	0.00	0.00	0.00	0.0	0.000
31.850	0.000	0.00	0.00	0.00	0.0	0.000
31.866	0.000	0.00	0.00	0.00	0.0	0.000
31.883	0.000	0.00	0.00	0.00	0.0	0.000
31.900	0.000	0.00	0.00	0.00	0.0	0.000
31.916	0.000	0.00	0.00	0.00	0.0	0.000

31.933	0.000	0.00	0.00	0.00	0.0	0.000
31.950	0.000	0.00	0.00	0.00	0.0	0.000
31.966	0.000	0.00	0.00	0.00	0.0	0.000
31.983	0.000	0.00	0.00	0.00	0.0	0.000
32.000	0.000	0.00	0.00	0.00	0.0	0.000
32.016	0.000	0.00	0.00	0.00	0.0	0.000
32.033	0.000	0.00	0.00	0.00	0.0	0.000
32.050	0.000	0.00	0.00	0.00	0.0	0.000
32.066	0.000	0.00	0.00	0.00	0.0	0.000
32.083	0.000	0.00	0.00	0.00	0.0	0.000
32.100	0.000	0.00	0.00	0.00	0.0	0.000
32.116	0.000	0.00	0.00	0.00	0.0	0.000
32.133	0.000	0.00	0.00	0.00	0.0	0.000
32.150	0.000	0.00	0.00	0.00	0.0	0.000
32.166	0.000	0.00	0.00	0.00	0.0	0.000
32.183	0.000	0.00	0.00	0.00	0.0	0.000
32.200	0.000	0.00	0.00	0.00	0.0	0.000
32.216	0.000	0.00	0.00	0.00	0.0	0.000
32.233	0.000	0.00	0.00	0.00	0.0	0.000
32.250	0.000	0.00	0.00	0.00	0.0	0.000
32.266	0.000	0.00	0.00	0.00	0.0	0.000
32.283	0.000	0.00	0.00	0.00	0.0	0.000
32.300	0.000	0.00	0.00	0.00	0.0	0.000
32.316	0.000	0.00	0.00	0.00	0.0	0.000
32.333	0.000	0.00	0.00	0.00	0.0	0.000
32.350	0.000	0.00	0.00	0.00	0.0	0.000
32.366	0.000	0.00	0.00	0.00	0.0	0.000
32.383	0.000	0.00	0.00	0.00	0.0	0.000
32.400	0.000	0.00	0.00	0.00	0.0	0.000
32.416	0.000	0.00	0.00	0.00	0.0	0.000
32.433	0.000	0.00	0.00	0.00	0.0	0.000
32.450	0.000	0.00	0.00	0.00	0.0	0.000
32.466	0.000	0.00	0.00	0.00	0.0	0.000
32.483	0.000	0.00	0.00	0.00	0.0	0.000
32.500	0.000	0.00	0.00	0.00	0.0	0.000
32.516	0.000	0.00	0.00	0.00	0.0	0.000
32.533	0.000	0.00	0.00	0.00	0.0	0.000
32.550	0.000	0.00	0.00	0.00	0.0	0.000
32.566	0.000	0.00	0.00	0.00	0.0	0.000
32.583	0.000	0.00	0.00	0.00	0.0	0.000
32.600	0.000	0.00	0.00	0.00	0.0	0.000
32.616	0.000	0.00	0.00	0.00	0.0	0.000
32.633	0.000	0.00	0.00	0.00	0.0	0.000
32.650	0.000	0.00	0.00	0.00	0.0	0.000
32.666	0.000	0.00	0.00	0.00	0.0	0.000
32.683	0.000	0.00	0.00	0.00	0.0	0.000
32.700	0.000	0.00	0.00	0.00	0.0	0.000
32.716	0.000	0.00	0.00	0.00	0.0	0.000
32.733	0.000	0.00	0.00	0.00	0.0	0.000
32.750	0.000	0.00	0.00	0.00	0.0	0.000
32.766	0.000	0.00	0.00	0.00	0.0	0.000
32.783	0.000	0.00	0.00	0.00	0.0	0.000
32.800	0.000	0.00	0.00	0.00	0.0	0.000
32.816	0.000	0.00	0.00	0.00	0.0	0.000
32.833	0.000	0.00	0.00	0.00	0.0	0.000
32.850	0.000	0.00	0.00	0.00	0.0	0.000
32.866	0.000	0.00	0.00	0.00	0.0	0.000
32.883	0.000	0.00	0.00	0.00	0.0	0.000
32.900	0.000	0.00	0.00	0.00	0.0	0.000
32.916	0.000	0.00	0.00	0.00	0.0	0.000
32.933	0.000	0.00	0.00	0.00	0.0	0.000
32.950	0.000	0.00	0.00	0.00	0.0	0.000
32.966	0.000	0.00	0.00	0.00	0.0	0.000
32.983	0.000	0.00	0.00	0.00	0.0	0.000
33.000	0.000	0.00	0.00	0.00	0.0	0.000
33.016	0.000	0.00	0.00	0.00	0.0	0.000
33.033	0.000	0.00	0.00	0.00	0.0	0.000
33.050	0.000	0.00	0.00	0.00	0.0	0.000
33.066	0.000	0.00	0.00	0.00	0.0	0.000
33.083	0.000	0.00	0.00	0.00	0.0	0.000
33.100	0.000	0.00	0.00	0.00	0.0	0.000
33.116	0.000	0.00	0.00	0.00	0.0	0.000

33.133	0.000	0.00	0.00	0.00	0.0	0.000
33.150	0.000	0.00	0.00	0.00	0.0	0.000
33.166	0.000	0.00	0.00	0.00	0.0	0.000
33.183	0.000	0.00	0.00	0.00	0.0	0.000
33.200	0.000	0.00	0.00	0.00	0.0	0.000
33.216	0.000	0.00	0.00	0.00	0.0	0.000
33.233	0.000	0.00	0.00	0.00	0.0	0.000
33.250	0.000	0.00	0.00	0.00	0.0	0.000
33.266	0.000	0.00	0.00	0.00	0.0	0.000
33.283	0.000	0.00	0.00	0.00	0.0	0.000
33.300	0.000	0.00	0.00	0.00	0.0	0.000
33.316	0.000	0.00	0.00	0.00	0.0	0.000
33.333	0.000	0.00	0.00	0.00	0.0	0.000
33.350	0.000	0.00	0.00	0.00	0.0	0.000
33.366	0.000	0.00	0.00	0.00	0.0	0.000
33.383	0.000	0.00	0.00	0.00	0.0	0.000
33.400	0.000	0.00	0.00	0.00	0.0	0.000
33.416	0.000	0.00	0.00	0.00	0.0	0.000
33.433	0.000	0.00	0.00	0.00	0.0	0.000
33.450	0.000	0.00	0.00	0.00	0.0	0.000
33.466	0.000	0.00	0.00	0.00	0.0	0.000
33.483	0.000	0.00	0.00	0.00	0.0	0.000
33.500	0.000	0.00	0.00	0.00	0.0	0.000
33.516	0.000	0.00	0.00	0.00	0.0	0.000
33.533	0.000	0.00	0.00	0.00	0.0	0.000
33.550	0.000	0.00	0.00	0.00	0.0	0.000
33.566	0.000	0.00	0.00	0.00	0.0	0.000
33.583	0.000	0.00	0.00	0.00	0.0	0.000
33.600	0.000	0.00	0.00	0.00	0.0	0.000
33.616	0.000	0.00	0.00	0.00	0.0	0.000
33.633	0.000	0.00	0.00	0.00	0.0	0.000
33.650	0.000	0.00	0.00	0.00	0.0	0.000
33.666	0.000	0.00	0.00	0.00	0.0	0.000
33.683	0.000	0.00	0.00	0.00	0.0	0.000
33.700	0.000	0.00	0.00	0.00	0.0	0.000
33.716	0.000	0.00	0.00	0.00	0.0	0.000
33.733	0.000	0.00	0.00	0.00	0.0	0.000
33.750	0.000	0.00	0.00	0.00	0.0	0.000
33.766	0.000	0.00	0.00	0.00	0.0	0.000
33.783	0.000	0.00	0.00	0.00	0.0	0.000
33.800	0.000	0.00	0.00	0.00	0.0	0.000
33.816	0.000	0.00	0.00	0.00	0.0	0.000
33.833	0.000	0.00	0.00	0.00	0.0	0.000
33.850	0.000	0.00	0.00	0.00	0.0	0.000
33.866	0.000	0.00	0.00	0.00	0.0	0.000
33.883	0.000	0.00	0.00	0.00	0.0	0.000
33.900	0.000	0.00	0.00	0.00	0.0	0.000
33.916	0.000	0.00	0.00	0.00	0.0	0.000
33.933	0.000	0.00	0.00	0.00	0.0	0.000
33.950	0.000	0.00	0.00	0.00	0.0	0.000
33.966	0.000	0.00	0.00	0.00	0.0	0.000
33.983	0.000	0.00	0.00	0.00	0.0	0.000
34.000	0.000	0.00	0.00	0.00	0.0	0.000
34.016	0.000	0.00	0.00	0.00	0.0	0.000
34.033	0.000	0.00	0.00	0.00	0.0	0.000
34.050	0.000	0.00	0.00	0.00	0.0	0.000
34.066	0.000	0.00	0.00	0.00	0.0	0.000
34.083	0.000	0.00	0.00	0.00	0.0	0.000
34.100	0.000	0.00	0.00	0.00	0.0	0.000
34.116	0.000	0.00	0.00	0.00	0.0	0.000
34.133	0.000	0.00	0.00	0.00	0.0	0.000
34.150	0.000	0.00	0.00	0.00	0.0	0.000
34.166	0.000	0.00	0.00	0.00	0.0	0.000
34.183	0.000	0.00	0.00	0.00	0.0	0.000
34.200	0.000	0.00	0.00	0.00	0.0	0.000
34.216	0.000	0.00	0.00	0.00	0.0	0.000
34.233	0.000	0.00	0.00	0.00	0.0	0.000
34.250	0.000	0.00	0.00	0.00	0.0	0.000
34.266	0.000	0.00	0.00	0.00	0.0	0.000
34.283	0.000	0.00	0.00	0.00	0.0	0.000
34.300	0.000	0.00	0.00	0.00	0.0	0.000
34.316	0.000	0.00	0.00	0.00	0.0	0.000

34.333	0.000	0.00	0.00	0.00	0.0	0.000
34.350	0.000	0.00	0.00	0.00	0.0	0.000
34.366	0.000	0.00	0.00	0.00	0.0	0.000
34.383	0.000	0.00	0.00	0.00	0.0	0.000
34.400	0.000	0.00	0.00	0.00	0.0	0.000
34.416	0.000	0.00	0.00	0.00	0.0	0.000
34.433	0.000	0.00	0.00	0.00	0.0	0.000
34.450	0.000	0.00	0.00	0.00	0.0	0.000
34.466	0.000	0.00	0.00	0.00	0.0	0.000
34.483	0.000	0.00	0.00	0.00	0.0	0.000
34.500	0.000	0.00	0.00	0.00	0.0	0.000
34.516	0.000	0.00	0.00	0.00	0.0	0.000
34.533	0.000	0.00	0.00	0.00	0.0	0.000
34.550	0.000	0.00	0.00	0.00	0.0	0.000
34.566	0.000	0.00	0.00	0.00	0.0	0.000
34.583	0.000	0.00	0.00	0.00	0.0	0.000
34.600	0.000	0.00	0.00	0.00	0.0	0.000
34.616	0.000	0.00	0.00	0.00	0.0	0.000
34.633	0.000	0.00	0.00	0.00	0.0	0.000
34.650	0.000	0.00	0.00	0.00	0.0	0.000
34.666	0.000	0.00	0.00	0.00	0.0	0.000
34.683	0.000	0.00	0.00	0.00	0.0	0.000
34.700	0.000	0.00	0.00	0.00	0.0	0.000
34.716	0.000	0.00	0.00	0.00	0.0	0.000
34.733	0.000	0.00	0.00	0.00	0.0	0.000
34.750	0.000	0.00	0.00	0.00	0.0	0.000
34.766	0.000	0.00	0.00	0.00	0.0	0.000
34.783	0.000	0.00	0.00	0.00	0.0	0.000
34.800	0.000	0.00	0.00	0.00	0.0	0.000
34.816	0.000	0.00	0.00	0.00	0.0	0.000
34.833	0.000	0.00	0.00	0.00	0.0	0.000
34.850	0.000	0.00	0.00	0.00	0.0	0.000
34.866	0.000	0.00	0.00	0.00	0.0	0.000
34.883	0.000	0.00	0.00	0.00	0.0	0.000
34.900	0.000	0.00	0.00	0.00	0.0	0.000
34.916	0.000	0.00	0.00	0.00	0.0	0.000
34.933	0.000	0.00	0.00	0.00	0.0	0.000
34.950	0.000	0.00	0.00	0.00	0.0	0.000
34.966	0.000	0.00	0.00	0.00	0.0	0.000
34.983	0.000	0.00	0.00	0.00	0.0	0.000
35.000	0.000	0.00	0.00	0.00	0.0	0.000
35.016	0.000	0.00	0.00	0.00	0.0	0.000
35.033	0.000	0.00	0.00	0.00	0.0	0.000
35.050	0.000	0.00	0.00	0.00	0.0	0.000
35.066	0.000	0.00	0.00	0.00	0.0	0.000
35.083	0.000	0.00	0.00	0.00	0.0	0.000
35.100	0.000	0.00	0.00	0.00	0.0	0.000
35.116	0.000	0.00	0.00	0.00	0.0	0.000
35.133	0.000	0.00	0.00	0.00	0.0	0.000
35.150	0.000	0.00	0.00	0.00	0.0	0.000
35.166	0.000	0.00	0.00	0.00	0.0	0.000
35.183	0.000	0.00	0.00	0.00	0.0	0.000
35.200	0.000	0.00	0.00	0.00	0.0	0.000
35.216	0.000	0.00	0.00	0.00	0.0	0.000
35.233	0.000	0.00	0.00	0.00	0.0	0.000
35.250	0.000	0.00	0.00	0.00	0.0	0.000
35.266	0.000	0.00	0.00	0.00	0.0	0.000
35.283	0.000	0.00	0.00	0.00	0.0	0.000
35.300	0.000	0.00	0.00	0.00	0.0	0.000
35.316	0.000	0.00	0.00	0.00	0.0	0.000
35.333	0.000	0.00	0.00	0.00	0.0	0.000
35.350	0.000	0.00	0.00	0.00	0.0	0.000
35.366	0.000	0.00	0.00	0.00	0.0	0.000
35.383	0.000	0.00	0.00	0.00	0.0	0.000
35.400	0.000	0.00	0.00	0.00	0.0	0.000
35.416	0.000	0.00	0.00	0.00	0.0	0.000
35.433	0.000	0.00	0.00	0.00	0.0	0.000
35.450	0.000	0.00	0.00	0.00	0.0	0.000
35.466	0.000	0.00	0.00	0.00	0.0	0.000
35.483	0.000	0.00	0.00	0.00	0.0	0.000
35.500	0.000	0.00	0.00	0.00	0.0	0.000
35.516	0.000	0.00	0.00	0.00	0.0	0.000

35.533	0.000	0.00	0.00	0.00	0.0	0.000
35.550	0.000	0.00	0.00	0.00	0.0	0.000
35.566	0.000	0.00	0.00	0.00	0.0	0.000
35.583	0.000	0.00	0.00	0.00	0.0	0.000
35.600	0.000	0.00	0.00	0.00	0.0	0.000
35.616	0.000	0.00	0.00	0.00	0.0	0.000
35.633	0.000	0.00	0.00	0.00	0.0	0.000
35.650	0.000	0.00	0.00	0.00	0.0	0.000
35.666	0.000	0.00	0.00	0.00	0.0	0.000
35.683	0.000	0.00	0.00	0.00	0.0	0.000
35.700	0.000	0.00	0.00	0.00	0.0	0.000
35.716	0.000	0.00	0.00	0.00	0.0	0.000
35.733	0.000	0.00	0.00	0.00	0.0	0.000
35.750	0.000	0.00	0.00	0.00	0.0	0.000
35.766	0.000	0.00	0.00	0.00	0.0	0.000
35.783	0.000	0.00	0.00	0.00	0.0	0.000
35.800	0.000	0.00	0.00	0.00	0.0	0.000
35.816	0.000	0.00	0.00	0.00	0.0	0.000
35.833	0.000	0.00	0.00	0.00	0.0	0.000
35.850	0.000	0.00	0.00	0.00	0.0	0.000
35.866	0.000	0.00	0.00	0.00	0.0	0.000
35.883	0.000	0.00	0.00	0.00	0.0	0.000
35.900	0.000	0.00	0.00	0.00	0.0	0.000
35.916	0.000	0.00	0.00	0.00	0.0	0.000
35.933	0.000	0.00	0.00	0.00	0.0	0.000
35.950	0.000	0.00	0.00	0.00	0.0	0.000
35.966	0.000	0.00	0.00	0.00	0.0	0.000
35.983	0.000	0.00	0.00	0.00	0.0	0.000
36.000	0.000	0.00	0.00	0.00	0.0	0.000

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 9.148 AF
BASIN STORAGE = 0.000 AF (WITH 0.000 AF INITIALLY FILLED)
OUTFLOW VOLUME = 9.148 AF
LOSS VOLUME = 0.000 AF

==========

END OF FLOODSCx ROUTING ANALYSIS

Arrow Rt. and Juneberry Dr. - Rancho Cucamonga
Basin Rating Curve

Building 5 - Nodes 220-226 - Line D Sta. 13+14.52

Elevation (ft)	Depth (ft)	Storage (cu-ft)	Storage (ac-ft)	Type SD Orifice C 0.60 Storm Drain Diameter (in) 18 Invert (ft) 1122.07 Discharge (cfs)
1129.19	0.00	0	0.000	22.704
1129.29	0.10	43	0.001	22.863
1129.39	0.20	373	0.009	23.021
1129.49	0.30	1,262	0.029	23.178
1129.59	0.40	2,899	0.067	23.333
1129.69	0.50	5,421	0.124	23.488
1129.79	0.60	8,965	0.206	23.642
1129.89	0.70	13,542	0.311	23.794
1129.99	0.80	18,994	0.436	23.946
1130.09	0.90	25,197	0.578	24.096
1130.19	1.00	32,117	0.737	24.246
1130.29	1.10	39,732	0.912	24.395
1130.39	1.20	48,027	1.103	24.543
1130.49	1.30	56,996	1.308	24.690
1130.59	1.40	66,635	1.530	24.836

```
******************************************************************************
          NON-HOMOGENEOUS WATERSHED AREA-AVERAGED LOSS RATE (Fm)
                    AND LOW LOSS FRACTION ESTIMATIONS
==============================================================================
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                            Analysis prepared by:




******************************************************************************
------------------------------------------------------------------------------

 Problem Descriptions:
  ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA
  PROPOSED CONDITION - BUILDING 5 - NODES 220-226
  HYDROLOGIC ANALYSIS - 100-YEAR
==============================================================================
*** NON-HOMOGENEOUS WATERSHED AREA-AVERAGED LOSS RATE (Fm)
    AND LOW LOSS FRACTION ESTIMATIONS FOR AMC III:

    TOTAL 24-HOUR DURATION RAINFALL DEPTH =     8.20 (inches)

    SOIL-COVER     AREA      PERCENT OF    SCS CURVE    LOSS RATE
       TYPE      (Acres)   PERVIOUS AREA     NUMBER    Fp(in./hr.)    YIELD
         1         11.40       10.00       32.(AMC II)     0.742       0.874

    TOTAL AREA (Acres) =     11.40

    AREA-AVERAGED LOSS RATE, Fm (in./hr.) =  0.074

    AREA-AVERAGED LOW LOSS FRACTION, Y = 0.126
==============================================================================
```

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******************************************************************************

            F L O O D    R O U T I N G    A N A L Y S I S
          USING COUNTY HYDROLOGY MANUAL OF SAN BERNARDINO(1986)
         (c) Copyright 1989-2016 Advanced Engineering Software (aes)
             Ver. 23.0  Release Date: 07/01/2016  License ID 1435

                          Analysis prepared by:



 ************************** DESCRIPTION OF STUDY **************************
* ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA                           *
* PROPOSED CONDITION - BUILDING 5 - NODES 220-226                          *
* HYDROLOGIC ANALYSIS - 100-YEAR                                           *
 ****************************************************************************

  FILE NAME: 4021P2AC.FLD
  TIME/DATE OF STUDY: 16:00 05/05/2023

   The Small Area Unit Hydrograph Procedures in Section J
   of the Hydrology Manual provides estimates of runoff
   hydrograph and runoff volume for watersheds whose time of
   concentration is less than 25 minutes. The PROGRAM User
   should check the applicability of using the small area unit
   hydrograph procedures, and follow the guidelines in
   Sections J and K.5 in complex watershed modeling.


******************************************************************************
  FLOW PROCESS FROM NODE    220.00 TO NODE    226.00 IS CODE = 1.2
------------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
==============================================================================

  (SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #1)

    RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
    TOTAL CATCHMENT AREA(ACRES) =   11.40
    SOIL-LOSS RATE, Fm,(INCH/HR) =  0.074
    LOW LOSS FRACTION = 0.126
    TIME OF CONCENTRATION(MIN.) =  9.90
    SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
    USER SPECIFIED RAINFALL VALUES ARE USED:
    RETURN FREQUENCY(YEARS) = 100
       5-MINUTE POINT RAINFALL VALUE(INCHES) =  0.51
      30-MINUTE POINT RAINFALL VALUE(INCHES) =  1.05
       1-HOUR   POINT RAINFALL VALUE(INCHES) =  1.40
       3-HOUR   POINT RAINFALL VALUE(INCHES) =  2.50
       6-HOUR   POINT RAINFALL VALUE(INCHES) =  3.75
      24-HOUR   POINT RAINFALL VALUE(INCHES) =  8.20

------------------------------------------------------------------------------
    TOTAL CATCHMENT   RUNOFF  VOLUME(ACRE-FEET) =     6.18
    TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) =     1.61

------------------------------------------------------------------------------

==============================================================================

                      2 4 - H O U R    S T O R M
                  R U N O F F    H Y D R O G R A P H

==============================================================================
               HYDROGRAPH IN  ONE-MINUTE UNIT INTERVALS(CFS)
        (Notes: Time indicated is at END of Each Unit Intervals.
                Peak 5-minute rainfall intensity is modeled as
                a constant value for entire 5-minute period.)
```

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	10.3	20.5	30.8	41.0
0.017	0.0001	0.09	Q	.	.	.	.
0.033	0.0005	0.27	Q	.	.	.	.
0.050	0.0011	0.45	Q	.	.	.	.
0.067	0.0020	0.63	Q	.	.	.	.
0.083	0.0031	0.81	Q	.	.	.	.
0.100	0.0045	0.99	Q	.	.	.	.
0.117	0.0061	1.17	VQ	.	.	.	.
0.133	0.0079	1.35	VQ	.	.	.	.
0.150	0.0101	1.53	VQ	.	.	.	.
0.167	0.0124	1.70	VQ	.	.	.	.
0.183	0.0148	1.73	VQ	.	.	.	.
0.200	0.0172	1.73	VQ	.	.	.	.
0.217	0.0196	1.73	VQ	.	.	.	.
0.233	0.0219	1.73	VQ	.	.	.	.
0.250	0.0243	1.73	VQ	.	.	.	.
0.267	0.0267	1.74	VQ	.	.	.	.
0.283	0.0291	1.74	VQ	.	.	.	.
0.300	0.0315	1.74	VQ	.	.	.	.
0.317	0.0339	1.74	VQ	.	.	.	.
0.333	0.0363	1.74	VQ	.	.	.	.
0.350	0.0387	1.74	VQ	.	.	.	.
0.367	0.0411	1.74	VQ	.	.	.	.
0.383	0.0435	1.74	VQ	.	.	.	.
0.400	0.0459	1.74	VQ	.	.	.	.
0.417	0.0483	1.74	VQ	.	.	.	.
0.433	0.0507	1.74	VQ	.	.	.	.
0.450	0.0531	1.74	VQ	.	.	.	.
0.467	0.0555	1.74	VQ	.	.	.	.
0.483	0.0579	1.74	VQ	.	.	.	.
0.500	0.0603	1.74	VQ	.	.	.	.
0.517	0.0627	1.75	VQ	.	.	.	.
0.533	0.0651	1.75	VQ	.	.	.	.
0.550	0.0675	1.75	VQ	.	.	.	.
0.567	0.0699	1.75	VQ	.	.	.	.
0.583	0.0723	1.75	VQ	.	.	.	.
0.600	0.0747	1.75	VQ	.	.	.	.
0.617	0.0772	1.75	VQ	.	.	.	.
0.633	0.0796	1.75	VQ	.	.	.	.
0.650	0.0820	1.75	VQ	.	.	.	.
0.667	0.0844	1.76	VQ	.	.	.	.
0.683	0.0868	1.76	VQ	.	.	.	.
0.700	0.0892	1.76	VQ	.	.	.	.
0.717	0.0917	1.76	VQ	.	.	.	.
0.733	0.0941	1.76	VQ	.	.	.	.
0.750	0.0965	1.76	VQ	.	.	.	.
0.767	0.0989	1.76	VQ	.	.	.	.
0.783	0.1014	1.76	VQ	.	.	.	.
0.800	0.1038	1.76	VQ	.	.	.	.
0.817	0.1062	1.76	VQ	.	.	.	.
0.833	0.1086	1.76	VQ	.	.	.	.
0.850	0.1111	1.76	VQ	.	.	.	.
0.867	0.1135	1.76	VQ	.	.	.	.
0.883	0.1159	1.76	VQ	.	.	.	.
0.900	0.1184	1.77	VQ	.	.	.	.
0.917	0.1208	1.77	VQ	.	.	.	.
0.933	0.1232	1.77	VQ	.	.	.	.
0.950	0.1257	1.77	VQ	.	.	.	.
0.967	0.1281	1.77	VQ	.	.	.	.
0.983	0.1305	1.77	VQ	.	.	.	.
1.000	0.1330	1.77	VQ	.	.	.	.
1.017	0.1354	1.77	VQ	.	.	.	.
1.033	0.1379	1.77	VQ	.	.	.	.
1.050	0.1403	1.77	VQ	.	.	.	.
1.067	0.1427	1.77	VQ	.	.	.	.
1.083	0.1452	1.78	VQ	.	.	.	.
1.100	0.1476	1.78	VQ	.	.	.	.
1.117	0.1501	1.78	VQ	.	.	.	.
1.133	0.1525	1.78	VQ	.	.	.	.
1.150	0.1550	1.78	.Q	.	.	.	.

1.167	0.1574	1.78	.Q	.	.	.	.
1.183	0.1599	1.78	.Q	.	.	.	.
1.200	0.1623	1.78	.Q	.	.	.	.
1.217	0.1648	1.78	.Q	.	.	.	.
1.233	0.1672	1.78	.Q	.	.	.	.
1.250	0.1697	1.78	.Q	.	.	.	.
1.267	0.1722	1.79	.Q	.	.	.	.
1.283	0.1746	1.79	.Q	.	.	.	.
1.300	0.1771	1.79	.Q	.	.	.	.
1.317	0.1795	1.79	.Q	.	.	.	.
1.333	0.1820	1.79	.Q	.	.	.	.
1.350	0.1845	1.79	.Q	.	.	.	.
1.367	0.1869	1.79	.Q	.	.	.	.
1.383	0.1894	1.79	.Q	.	.	.	.
1.400	0.1919	1.79	.Q	.	.	.	.
1.417	0.1944	1.79	.Q	.	.	.	.
1.433	0.1968	1.79	.Q	.	.	.	.
1.450	0.1993	1.79	.Q	.	.	.	.
1.467	0.2018	1.79	.Q	.	.	.	.
1.483	0.2042	1.79	.Q	.	.	.	.
1.500	0.2067	1.80	.Q	.	.	.	.
1.517	0.2092	1.80	.Q	.	.	.	.
1.533	0.2117	1.80	.Q	.	.	.	.
1.550	0.2141	1.80	.Q	.	.	.	.
1.567	0.2166	1.80	.Q	.	.	.	.
1.583	0.2191	1.80	.Q	.	.	.	.
1.600	0.2216	1.80	.Q	.	.	.	.
1.617	0.2241	1.80	.Q	.	.	.	.
1.633	0.2266	1.81	.Q	.	.	.	.
1.650	0.2290	1.81	.Q	.	.	.	.
1.667	0.2315	1.81	.Q	.	.	.	.
1.683	0.2340	1.81	.Q	.	.	.	.
1.700	0.2365	1.81	.Q	.	.	.	.
1.717	0.2390	1.81	.Q	.	.	.	.
1.733	0.2415	1.81	.Q	.	.	.	.
1.750	0.2440	1.81	.Q	.	.	.	.
1.767	0.2465	1.81	.Q	.	.	.	.
1.783	0.2490	1.81	.Q	.	.	.	.
1.800	0.2515	1.81	.Q	.	.	.	.
1.817	0.2540	1.81	.Q	.	.	.	.
1.833	0.2565	1.81	.Q	.	.	.	.
1.850	0.2590	1.82	.Q	.	.	.	.
1.867	0.2615	1.82	.Q	.	.	.	.
1.883	0.2640	1.82	.Q	.	.	.	.
1.900	0.2665	1.82	.Q	.	.	.	.
1.917	0.2690	1.82	.Q	.	.	.	.
1.933	0.2715	1.82	.Q	.	.	.	.
1.950	0.2740	1.82	.Q	.	.	.	.
1.967	0.2765	1.82	.Q	.	.	.	.
1.983	0.2790	1.82	.Q	.	.	.	.
2.000	0.2815	1.83	.Q	.	.	.	.
2.017	0.2841	1.83	.Q	.	.	.	.
2.033	0.2866	1.83	.Q	.	.	.	.
2.050	0.2891	1.83	.Q	.	.	.	.
2.067	0.2916	1.83	.Q	.	.	.	.
2.083	0.2941	1.83	.Q	.	.	.	.
2.100	0.2967	1.83	.Q	.	.	.	.
2.117	0.2992	1.83	.Q	.	.	.	.
2.133	0.3017	1.83	.Q	.	.	.	.
2.150	0.3042	1.83	.Q	.	.	.	.
2.167	0.3067	1.83	.Q	.	.	.	.
2.183	0.3093	1.83	.QV	.	.	.	.
2.200	0.3118	1.84	.QV	.	.	.	.
2.217	0.3143	1.84	.QV	.	.	.	.
2.233	0.3169	1.84	.QV	.	.	.	.
2.250	0.3194	1.84	.QV	.	.	.	.
2.267	0.3219	1.84	.QV	.	.	.	.
2.283	0.3245	1.84	.QV	.	.	.	.
2.300	0.3270	1.84	.QV	.	.	.	.
2.317	0.3295	1.84	.QV	.	.	.	.
2.333	0.3321	1.84	.QV	.	.	.	.
2.350	0.3346	1.85	.QV	.	.	.	.

2.367	0.3372	1.85	.QV	.	.	.	.
2.383	0.3397	1.85	.QV	.	.	.	.
2.400	0.3423	1.85	.QV	.	.	.	.
2.417	0.3448	1.85	.QV	.	.	.	.
2.433	0.3474	1.85	.QV	.	.	.	.
2.450	0.3499	1.85	.QV	.	.	.	.
2.467	0.3524	1.85	.QV	.	.	.	.
2.483	0.3550	1.85	.QV	.	.	.	.
2.500	0.3575	1.85	.QV	.	.	.	.
2.517	0.3601	1.85	.QV	.	.	.	.
2.533	0.3627	1.85	.QV	.	.	.	.
2.550	0.3652	1.86	.QV	.	.	.	.
2.567	0.3678	1.86	.QV	.	.	.	.
2.583	0.3703	1.86	.QV	.	.	.	.
2.600	0.3729	1.86	.QV	.	.	.	.
2.617	0.3755	1.86	.QV	.	.	.	.
2.633	0.3780	1.86	.QV	.	.	.	.
2.650	0.3806	1.86	.QV	.	.	.	.
2.667	0.3832	1.86	.QV	.	.	.	.
2.683	0.3857	1.87	.QV	.	.	.	.
2.700	0.3883	1.87	.QV	.	.	.	.
2.717	0.3909	1.87	.QV	.	.	.	.
2.733	0.3934	1.87	.QV	.	.	.	.
2.750	0.3960	1.87	.QV	.	.	.	.
2.767	0.3986	1.87	.QV	.	.	.	.
2.783	0.4012	1.87	.QV	.	.	.	.
2.800	0.4037	1.87	.QV	.	.	.	.
2.817	0.4063	1.87	.QV	.	.	.	.
2.833	0.4089	1.87	.QV	.	.	.	.
2.850	0.4115	1.87	.QV	.	.	.	.
2.867	0.4141	1.87	.QV	.	.	.	.
2.883	0.4166	1.88	.QV	.	.	.	.
2.900	0.4192	1.88	.QV	.	.	.	.
2.917	0.4218	1.88	.QV	.	.	.	.
2.933	0.4244	1.88	.QV	.	.	.	.
2.950	0.4270	1.88	.QV	.	.	.	.
2.967	0.4296	1.88	.QV	.	.	.	.
2.983	0.4322	1.88	.QV	.	.	.	.
3.000	0.4348	1.88	.QV	.	.	.	.
3.017	0.4374	1.89	.QV	.	.	.	.
3.033	0.4400	1.89	.QV	.	.	.	.
3.050	0.4426	1.89	.QV	.	.	.	.
3.067	0.4452	1.89	.QV	.	.	.	.
3.083	0.4478	1.89	.QV	.	.	.	.
3.100	0.4504	1.89	.QV	.	.	.	.
3.117	0.4530	1.89	.QV	.	.	.	.
3.133	0.4556	1.89	.QV	.	.	.	.
3.150	0.4582	1.89	.QV	.	.	.	.
3.167	0.4608	1.89	.QV	.	.	.	.
3.183	0.4634	1.89	.QV	.	.	.	.
3.200	0.4660	1.90	.Q V	.	.	.	.
3.217	0.4686	1.90	.Q V	.	.	.	.
3.233	0.4712	1.90	.Q V	.	.	.	.
3.250	0.4739	1.90	.Q V	.	.	.	.
3.267	0.4765	1.90	.Q V	.	.	.	.
3.283	0.4791	1.90	.Q V	.	.	.	.
3.300	0.4817	1.90	.Q V	.	.	.	.
3.317	0.4843	1.91	.Q V	.	.	.	.
3.333	0.4870	1.91	.Q V	.	.	.	.
3.350	0.4896	1.91	.Q V	.	.	.	.
3.367	0.4922	1.91	.Q V	.	.	.	.
3.383	0.4949	1.91	.Q V	.	.	.	.
3.400	0.4975	1.91	.Q V	.	.	.	.
3.417	0.5001	1.91	.Q V	.	.	.	.
3.433	0.5027	1.91	.Q V	.	.	.	.
3.450	0.5054	1.91	.Q V	.	.	.	.
3.467	0.5080	1.91	.Q V	.	.	.	.
3.483	0.5106	1.91	.Q V	.	.	.	.
3.500	0.5133	1.91	.Q V	.	.	.	.
3.517	0.5159	1.92	.Q V	.	.	.	.
3.533	0.5186	1.92	.Q V	.	.	.	.
3.550	0.5212	1.92	.Q V	.	.	.	.

3.567	0.5239	1.92	.Q	V	.	.	.
3.583	0.5265	1.92	.Q	V	.	.	.
3.600	0.5292	1.92	.Q	V	.	.	.
3.617	0.5318	1.92	.Q	V	.	.	.
3.633	0.5345	1.93	.Q	V	.	.	.
3.650	0.5371	1.93	.Q	V	.	.	.
3.667	0.5398	1.93	.Q	V	.	.	.
3.683	0.5424	1.93	.Q	V	.	.	.
3.700	0.5451	1.93	.Q	V	.	.	.
3.717	0.5477	1.93	.Q	V	.	.	.
3.733	0.5504	1.93	.Q	V	.	.	.
3.750	0.5531	1.93	.Q	V	.	.	.
3.767	0.5557	1.93	.Q	V	.	.	.
3.783	0.5584	1.93	.Q	V	.	.	.
3.800	0.5610	1.93	.Q	V	.	.	.
3.817	0.5637	1.94	.Q	V	.	.	.
3.833	0.5664	1.94	.Q	V	.	.	.
3.850	0.5691	1.94	.Q	V	.	.	.
3.867	0.5717	1.94	.Q	V	.	.	.
3.883	0.5744	1.94	.Q	V	.	.	.
3.900	0.5771	1.94	.Q	V	.	.	.
3.917	0.5798	1.94	.Q	V	.	.	.
3.933	0.5824	1.95	.Q	V	.	.	.
3.950	0.5851	1.95	.Q	V	.	.	.
3.967	0.5878	1.95	.Q	V	.	.	.
3.983	0.5905	1.95	.Q	V	.	.	.
4.000	0.5932	1.95	.Q	V	.	.	.
4.017	0.5959	1.95	.Q	V	.	.	.
4.033	0.5986	1.95	.Q	V	.	.	.
4.050	0.6012	1.95	.Q	V	.	.	.
4.067	0.6039	1.95	.Q	V	.	.	.
4.083	0.6066	1.95	.Q	V	.	.	.
4.100	0.6093	1.96	.Q	V	.	.	.
4.117	0.6120	1.96	.Q	V	.	.	.
4.133	0.6147	1.96	.Q	V	.	.	.
4.150	0.6174	1.96	.Q	V	.	.	.
4.167	0.6201	1.96	.Q	V	.	.	.
4.183	0.6228	1.96	.Q	V	.	.	.
4.200	0.6255	1.96	.Q	V	.	.	.
4.217	0.6282	1.97	.Q	V	.	.	.
4.233	0.6309	1.97	.Q	V	.	.	.
4.250	0.6336	1.97	.Q	V	.	.	.
4.267	0.6364	1.97	.Q	V	.	.	.
4.283	0.6391	1.97	.Q	V	.	.	.
4.300	0.6418	1.97	.Q	V	.	.	.
4.317	0.6445	1.97	.Q	V	.	.	.
4.333	0.6472	1.97	.Q	V	.	.	.
4.350	0.6499	1.98	.Q	V	.	.	.
4.367	0.6527	1.98	.Q	V	.	.	.
4.383	0.6554	1.98	.Q	V	.	.	.
4.400	0.6581	1.98	.Q	V	.	.	.
4.417	0.6608	1.98	.Q	V	.	.	.
4.433	0.6636	1.98	.Q	V	.	.	.
4.450	0.6663	1.98	.Q	V	.	.	.
4.467	0.6690	1.98	.Q	V	.	.	.
4.483	0.6718	1.98	.Q	V	.	.	.
4.500	0.6745	1.98	.Q	V	.	.	.
4.517	0.6772	1.99	.Q	V	.	.	.
4.533	0.6800	1.99	.Q	V	.	.	.
4.550	0.6827	1.99	.Q	V	.	.	.
4.567	0.6855	1.99	.Q	V	.	.	.
4.583	0.6882	1.99	.Q	V	.	.	.
4.600	0.6909	1.99	.Q	V	.	.	.
4.617	0.6937	2.00	.Q	V	.	.	.
4.633	0.6964	2.00	.Q	V	.	.	.
4.650	0.6992	2.00	.Q	V	.	.	.
4.667	0.7020	2.00	.Q	V	.	.	.
4.683	0.7047	2.00	.Q	V	.	.	.
4.700	0.7075	2.00	.Q	V	.	.	.
4.717	0.7102	2.00	.Q	V	.	.	.
4.733	0.7130	2.00	.Q	V	.	.	.
4.750	0.7157	2.00	.Q	V	.	.	.

4.767	0.7185	2.00	.Q	V	.	.	.
4.783	0.7213	2.01	.Q	V	.	.	.
4.800	0.7240	2.01	.Q	V	.	.	.
4.817	0.7268	2.01	.Q	V	.	.	.
4.833	0.7296	2.01	.Q	V	.	.	.
4.850	0.7323	2.01	.Q	V	.	.	.
4.867	0.7351	2.01	.Q	V	.	.	.
4.883	0.7379	2.02	.Q	V	.	.	.
4.900	0.7407	2.02	.Q	V	.	.	.
4.917	0.7434	2.02	.Q	V	.	.	.
4.933	0.7462	2.02	.Q	V	.	.	.
4.950	0.7490	2.02	.Q	V	.	.	.
4.967	0.7518	2.02	.Q	V	.	.	.
4.983	0.7546	2.02	.Q	V	.	.	.
5.000	0.7574	2.03	.Q	V	.	.	.
5.017	0.7602	2.03	.Q	V	.	.	.
5.033	0.7630	2.03	.Q	V	.	.	.
5.050	0.7657	2.03	.Q	V	.	.	.
5.067	0.7685	2.03	.Q	V	.	.	.
5.083	0.7713	2.03	.Q	V	.	.	.
5.100	0.7741	2.03	.Q	V	.	.	.
5.117	0.7769	2.03	.Q	V	.	.	.
5.133	0.7797	2.03	.Q	V	.	.	.
5.150	0.7825	2.03	.Q	V	.	.	.
5.167	0.7853	2.04	.Q	V	.	.	.
5.183	0.7881	2.04	.Q	V	.	.	.
5.200	0.7910	2.04	.Q	V	.	.	.
5.217	0.7938	2.04	.Q	V	.	.	.
5.233	0.7966	2.04	.Q	V	.	.	.
5.250	0.7994	2.05	.Q	V	.	.	.
5.267	0.8022	2.05	.Q	V	.	.	.
5.283	0.8050	2.05	.Q	V	.	.	.
5.300	0.8079	2.05	.Q	V	.	.	.
5.317	0.8107	2.05	. Q	V	.	.	.
5.333	0.8135	2.05	. Q	V	.	.	.
5.350	0.8163	2.05	. Q	V	.	.	.
5.367	0.8192	2.05	. Q	V	.	.	.
5.383	0.8220	2.05	. Q	V	.	.	.
5.400	0.8248	2.06	. Q	V	.	.	.
5.417	0.8277	2.06	. Q	V	.	.	.
5.433	0.8305	2.06	. Q	V	.	.	.
5.450	0.8333	2.06	. Q	V	.	.	.
5.467	0.8362	2.06	. Q	V	.	.	.
5.483	0.8390	2.06	. Q	V	.	.	.
5.500	0.8419	2.06	. Q	V	.	.	.
5.517	0.8447	2.07	. Q	V	.	.	.
5.533	0.8476	2.07	. Q	V	.	.	.
5.550	0.8504	2.07	. Q	V	.	.	.
5.567	0.8533	2.07	. Q	V	.	.	.
5.583	0.8561	2.07	. Q	V	.	.	.
5.600	0.8590	2.08	. Q	V	.	.	.
5.617	0.8618	2.08	. Q	V	.	.	.
5.633	0.8647	2.08	. Q	V	.	.	.
5.650	0.8676	2.08	. Q	V	.	.	.
5.667	0.8704	2.08	. Q	V	.	.	.
5.683	0.8733	2.08	. Q	V	.	.	.
5.700	0.8762	2.08	. Q	V	.	.	.
5.717	0.8790	2.08	. Q	V	.	.	.
5.733	0.8819	2.08	. Q	V	.	.	.
5.750	0.8848	2.08	. Q	V	.	.	.
5.767	0.8876	2.09	. Q	V	.	.	.
5.783	0.8905	2.09	. Q	V	.	.	.
5.800	0.8934	2.09	. Q	V	.	.	.
5.817	0.8963	2.09	. Q	V	.	.	.
5.833	0.8992	2.09	. Q	V	.	.	.
5.850	0.9020	2.10	. Q	V	.	.	.
5.867	0.9049	2.10	. Q	V	.	.	.
5.883	0.9078	2.10	. Q	V	.	.	.
5.900	0.9107	2.10	. Q	V	.	.	.
5.917	0.9136	2.10	. Q	V	.	.	.
5.933	0.9165	2.10	. Q	V	.	.	.
5.950	0.9194	2.11	. Q	V	.	.	.

5.967	0.9223	2.11	.	Q	V	.	.	.	.
5.983	0.9252	2.11	.	Q	V	.	.	.	.
6.000	0.9281	2.11	.	Q	V	.	.	.	.
6.017	0.9310	2.11	.	Q	V	.	.	.	.
6.033	0.9339	2.11	.	Q	V	.	.	.	.
6.050	0.9369	2.11	.	Q	V	.	.	.	.
6.067	0.9398	2.11	.	Q	V	.	.	.	.
6.083	0.9427	2.11	.	Q	V	.	.	.	.
6.100	0.9456	2.12	.	Q	V	.	.	.	.
6.117	0.9485	2.12	.	Q	V	.	.	.	.
6.133	0.9514	2.12	.	Q	V	.	.	.	.
6.150	0.9543	2.12	.	Q	V	.	.	.	.
6.167	0.9573	2.12	.	Q	V	.	.	.	.
6.183	0.9602	2.13	.	Q	V	.	.	.	.
6.200	0.9631	2.13	.	Q	V	.	.	.	.
6.217	0.9661	2.13	.	Q	V	.	.	.	.
6.233	0.9690	2.13	.	Q	V	.	.	.	.
6.250	0.9719	2.13	.	Q	V	.	.	.	.
6.267	0.9749	2.14	.	Q	V	.	.	.	.
6.283	0.9778	2.14	.	Q	V	.	.	.	.
6.300	0.9808	2.14	.	Q	V	.	.	.	.
6.317	0.9837	2.14	.	Q	V	.	.	.	.
6.333	0.9867	2.14	.	Q	V	.	.	.	.
6.350	0.9896	2.14	.	Q	V	.	.	.	.
6.367	0.9926	2.14	.	Q	V	.	.	.	.
6.383	0.9955	2.14	.	Q	V	.	.	.	.
6.400	0.9985	2.14	.	Q	V	.	.	.	.
6.417	1.0014	2.15	.	Q	V	.	.	.	.
6.433	1.0044	2.15	.	Q	V	.	.	.	.
6.450	1.0073	2.15	.	Q	V	.	.	.	.
6.467	1.0103	2.15	.	Q	V	.	.	.	.
6.483	1.0133	2.15	.	Q	V	.	.	.	.
6.500	1.0162	2.16	.	Q	V	.	.	.	.
6.517	1.0192	2.16	.	Q	V	.	.	.	.
6.533	1.0222	2.16	.	Q	V	.	.	.	.
6.550	1.0252	2.16	.	Q	V	.	.	.	.
6.567	1.0281	2.16	.	Q	V	.	.	.	.
6.583	1.0311	2.17	.	Q	V	.	.	.	.
6.600	1.0341	2.17	.	Q	V	.	.	.	.
6.617	1.0371	2.17	.	Q	V	.	.	.	.
6.633	1.0401	2.17	.	Q	V	.	.	.	.
6.650	1.0431	2.17	.	Q	V	.	.	.	.
6.667	1.0461	2.17	.	Q	V	.	.	.	.
6.683	1.0491	2.17	.	Q	V	.	.	.	.
6.700	1.0521	2.17	.	Q	V	.	.	.	.
6.717	1.0551	2.18	.	Q	V	.	.	.	.
6.733	1.0581	2.18	.	Q	V	.	.	.	.
6.750	1.0611	2.18	.	Q	V	.	.	.	.
6.767	1.0641	2.18	.	Q	V	.	.	.	.
6.783	1.0671	2.18	.	Q	V	.	.	.	.
6.800	1.0701	2.18	.	Q	V	.	.	.	.
6.817	1.0731	2.19	.	Q	V	.	.	.	.
6.833	1.0761	2.19	.	Q	V	.	.	.	.
6.850	1.0791	2.19	.	Q	V	.	.	.	.
6.867	1.0821	2.19	.	Q	V	.	.	.	.
6.883	1.0852	2.20	.	Q	V	.	.	.	.
6.900	1.0882	2.20	.	Q	V	.	.	.	.
6.917	1.0912	2.20	.	Q	V	.	.	.	.
6.933	1.0943	2.20	.	Q	V	.	.	.	.
6.950	1.0973	2.20	.	Q	V	.	.	.	.
6.967	1.1003	2.20	.	Q	V	.	.	.	.
6.983	1.1034	2.21	.	Q	V	.	.	.	.
7.000	1.1064	2.21	.	Q	V	.	.	.	.
7.017	1.1094	2.21	.	Q	V	.	.	.	.
7.033	1.1125	2.21	.	Q	V	.	.	.	.
7.050	1.1155	2.21	.	Q	V	.	.	.	.
7.067	1.1186	2.21	.	Q	V	.	.	.	.
7.083	1.1216	2.21	.	Q	V	.	.	.	.
7.100	1.1247	2.21	.	Q	V	.	.	.	.
7.117	1.1277	2.22	.	Q	V	.	.	.	.
7.133	1.1308	2.22	.	Q	V	.	.	.	.
7.150	1.1338	2.22	.	Q	V	.	.	.	.

```
7.167      1.1369      2.22   . Q    V  .          .          .          .
7.183      1.1400      2.23   . Q    V  .          .          .          .
7.200      1.1430      2.23   . Q    V  .          .          .          .
7.217      1.1461      2.23   . Q    V  .          .          .          .
7.233      1.1492      2.23   . Q    V  .          .          .          .
7.250      1.1523      2.24   . Q    V  .          .          .          .
7.267      1.1553      2.24   . Q    V  .          .          .          .
7.283      1.1584      2.24   . Q    V  .          .          .          .
7.300      1.1615      2.24   . Q    V  .          .          .          .
7.317      1.1646      2.24   . Q    V  .          .          .          .
7.333      1.1677      2.24   . Q    V  .          .          .          .
7.350      1.1708      2.24   . Q    V  .          .          .          .
7.367      1.1739      2.25   . Q    V  .          .          .          .
7.383      1.1770      2.25   . Q    V  .          .          .          .
7.400      1.1801      2.25   . Q    V  .          .          .          .
7.417      1.1832      2.25   . Q    V  .          .          .          .
7.433      1.1863      2.25   . Q    V  .          .          .          .
7.450      1.1894      2.25   . Q    V  .          .          .          .
7.467      1.1925      2.26   . Q    V  .          .          .          .
7.483      1.1956      2.26   . Q    V  .          .          .          .
7.500      1.1987      2.26   . Q    V  .          .          .          .
7.517      1.2018      2.26   . Q    V  .          .          .          .
7.533      1.2049      2.27   . Q    V  .          .          .          .
7.550      1.2081      2.27   . Q    V  .          .          .          .
7.567      1.2112      2.27   . Q    V  .          .          .          .
7.583      1.2143      2.27   . Q    V  .          .          .          .
7.600      1.2175      2.28   . Q    V  .          .          .          .
7.617      1.2206      2.28   . Q    V  .          .          .          .
7.633      1.2237      2.28   . Q    V  .          .          .          .
7.650      1.2269      2.28   . Q    V  .          .          .          .
7.667      1.2300      2.28   . Q    V  .          .          .          .
7.683      1.2332      2.28   . Q    V  .          .          .          .
7.700      1.2363      2.28   . Q    V  .          .          .          .
7.717      1.2394      2.28   . Q     V .          .          .          .
7.733      1.2426      2.29   . Q     V .          .          .          .
7.750      1.2457      2.29   . Q     V .          .          .          .
7.767      1.2489      2.29   . Q     V .          .          .          .
7.783      1.2521      2.29   . Q     V .          .          .          .
7.800      1.2552      2.29   . Q     V .          .          .          .
7.817      1.2584      2.30   . Q     V .          .          .          .
7.833      1.2615      2.30   . Q     V .          .          .          .
7.850      1.2647      2.30   . Q     V .          .          .          .
7.867      1.2679      2.31   . Q     V .          .          .          .
7.883      1.2711      2.31   . Q     V .          .          .          .
7.900      1.2743      2.31   . Q     V .          .          .          .
7.917      1.2774      2.31   . Q     V .          .          .          .
7.933      1.2806      2.32   . Q     V .          .          .          .
7.950      1.2838      2.32   . Q     V .          .          .          .
7.967      1.2870      2.32   . Q     V .          .          .          .
7.983      1.2902      2.32   . Q     V .          .          .          .
8.000      1.2934      2.32   . Q     V .          .          .          .
8.017      1.2966      2.32   . Q     V .          .          .          .
8.033      1.2998      2.32   . Q     V .          .          .          .
8.050      1.3030      2.32   . Q     V .          .          .          .
8.067      1.3062      2.33   . Q     V .          .          .          .
8.083      1.3094      2.33   . Q     V .          .          .          .
8.100      1.3126      2.33   . Q     V .          .          .          .
8.117      1.3158      2.33   . Q     V .          .          .          .
8.133      1.3191      2.34   . Q     V .          .          .          .
8.150      1.3223      2.34   . Q     V .          .          .          .
8.167      1.3255      2.34   . Q     V .          .          .          .
8.183      1.3287      2.34   . Q     V .          .          .          .
8.200      1.3320      2.35   . Q     V .          .          .          .
8.217      1.3352      2.35   . Q     V .          .          .          .
8.233      1.3384      2.35   . Q     V .          .          .          .
8.250      1.3417      2.36   . Q     V .          .          .          .
8.267      1.3449      2.36   . Q     V .          .          .          .
8.283      1.3482      2.36   . Q     V .          .          .          .
8.300      1.3514      2.36   . Q     V .          .          .          .
8.317      1.3547      2.36   . Q     V .          .          .          .
8.333      1.3579      2.36   . Q     V .          .          .          .
8.350      1.3612      2.36   . Q     V .          .          .          .
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8.367	1.3645	2.37	.	Q	V	.	.	.
8.383	1.3677	2.37	.	Q	V	.	.	.
8.400	1.3710	2.37	.	Q	V	.	.	.
8.417	1.3742	2.37	.	Q	V	.	.	.
8.433	1.3775	2.37	.	Q	V	.	.	.
8.450	1.3808	2.38	.	Q	V	.	.	.
8.467	1.3841	2.38	.	Q	V	.	.	.
8.483	1.3873	2.38	.	Q	V	.	.	.
8.500	1.3906	2.39	.	Q	V	.	.	.
8.517	1.3939	2.39	.	Q	V.	.	.	.
8.533	1.3972	2.39	.	Q	V.	.	.	.
8.550	1.4005	2.39	.	Q	V.	.	.	.
8.567	1.4038	2.40	.	Q	V.	.	.	.
8.583	1.4071	2.40	.	Q	V.	.	.	.
8.600	1.4104	2.40	.	Q	V.	.	.	.
8.617	1.4137	2.40	.	Q	V.	.	.	.
8.633	1.4170	2.41	.	Q	V.	.	.	.
8.650	1.4204	2.41	.	Q	V.	.	.	.
8.667	1.4237	2.41	.	Q	V.	.	.	.
8.683	1.4270	2.41	.	Q	V.	.	.	.
8.700	1.4303	2.41	.	Q	V.	.	.	.
8.717	1.4336	2.41	.	Q	V.	.	.	.
8.733	1.4370	2.41	.	Q	V.	.	.	.
8.750	1.4403	2.42	.	Q	V.	.	.	.
8.767	1.4436	2.42	.	Q	V.	.	.	.
8.783	1.4470	2.42	.	Q	V.	.	.	.
8.800	1.4503	2.43	.	Q	V.	.	.	.
8.817	1.4537	2.43	.	Q	V.	.	.	.
8.833	1.4570	2.43	.	Q	V.	.	.	.
8.850	1.4604	2.44	.	Q	V.	.	.	.
8.867	1.4637	2.44	.	Q	V.	.	.	.
8.883	1.4671	2.44	.	Q	V.	.	.	.
8.900	1.4705	2.45	.	Q	V.	.	.	.
8.917	1.4738	2.45	.	Q	V.	.	.	.
8.933	1.4772	2.45	.	Q	V.	.	.	.
8.950	1.4806	2.45	.	Q	V.	.	.	.
8.967	1.4840	2.45	.	Q	V.	.	.	.
8.983	1.4873	2.45	.	Q	V.	.	.	.
9.000	1.4907	2.46	.	Q	V.	.	.	.
9.017	1.4941	2.46	.	Q	V.	.	.	.
9.033	1.4975	2.46	.	Q	V.	.	.	.
9.050	1.5009	2.46	.	Q	V.	.	.	.
9.067	1.5043	2.46	.	Q	V.	.	.	.
9.083	1.5077	2.47	.	Q	V.	.	.	.
9.100	1.5111	2.47	.	Q	V.	.	.	.
9.117	1.5145	2.47	.	Q	V.	.	.	.
9.133	1.5179	2.48	.	Q	V.	.	.	.
9.150	1.5213	2.48	.	Q	V.	.	.	.
9.167	1.5247	2.48	.	Q	V.	.	.	.
9.183	1.5281	2.49	.	Q	V.	.	.	.
9.200	1.5316	2.49	.	Q	V.	.	.	.
9.217	1.5350	2.49	.	Q	V.	.	.	.
9.233	1.5384	2.50	.	Q	V.	.	.	.
9.250	1.5419	2.50	.	Q	V.	.	.	.
9.267	1.5453	2.50	.	Q	V.	.	.	.
9.283	1.5488	2.50	.	Q	V	.	.	.
9.300	1.5522	2.50	.	Q	V	.	.	.
9.317	1.5557	2.51	.	Q	V	.	.	.
9.333	1.5591	2.51	.	Q	V	.	.	.
9.350	1.5626	2.51	.	Q	V	.	.	.
9.367	1.5660	2.51	.	Q	V	.	.	.
9.383	1.5695	2.51	.	Q	V	.	.	.
9.400	1.5730	2.52	.	Q	V	.	.	.
9.417	1.5764	2.52	.	Q	V	.	.	.
9.433	1.5799	2.52	.	Q	V	.	.	.
9.450	1.5834	2.53	.	Q	V	.	.	.
9.467	1.5869	2.53	.	Q	V	.	.	.
9.483	1.5904	2.53	.	Q	V	.	.	.
9.500	1.5939	2.54	.	Q	V	.	.	.
9.517	1.5974	2.54	.	Q	V	.	.	.
9.533	1.6009	2.54	.	Q	V	.	.	.
9.550	1.6044	2.55	.	Q	V	.	.	.

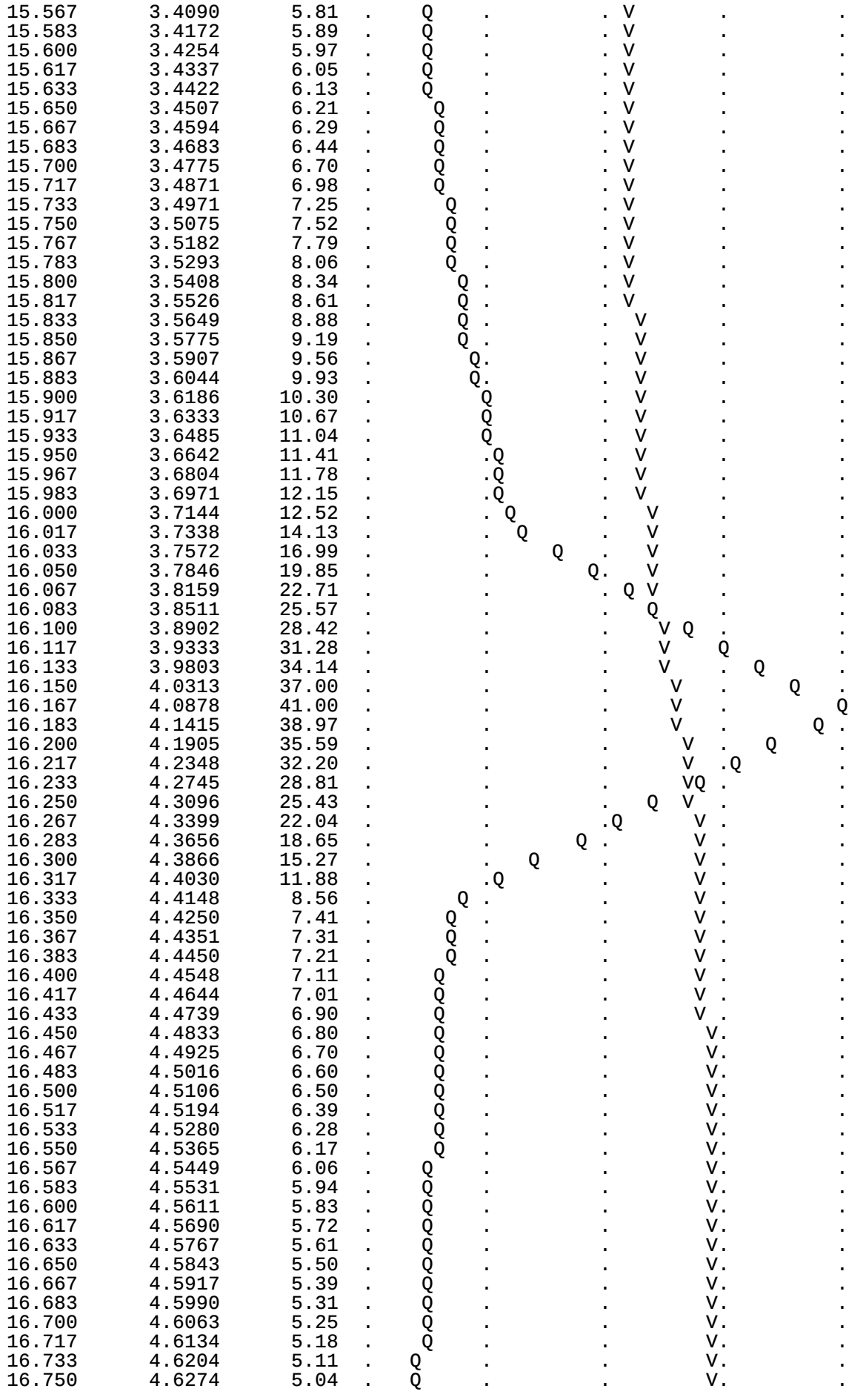
9.567	1.6079	2.55	. Q	V	.	.	.
9.583	1.6114	2.55	. Q	V	.	.	.
9.600	1.6149	2.56	. Q	V	.	.	.
9.617	1.6184	2.56	. Q	V	.	.	.
9.633	1.6220	2.56	. Q	V	.	.	.
9.650	1.6255	2.56	. Q	V	.	.	.
9.667	1.6290	2.56	. Q	V	.	.	.
9.683	1.6326	2.56	. Q	V	.	.	.
9.700	1.6361	2.57	. Q	V	.	.	.
9.717	1.6396	2.57	. Q	V	.	.	.
9.733	1.6432	2.57	. Q	V	.	.	.
9.750	1.6467	2.57	. Q	V	.	.	.
9.767	1.6503	2.58	. Q	V	.	.	.
9.783	1.6538	2.58	. Q	V	.	.	.
9.800	1.6574	2.59	. Q	V	.	.	.
9.817	1.6610	2.59	. Q	V	.	.	.
9.833	1.6645	2.59	. Q	V	.	.	.
9.850	1.6681	2.60	. Q	V	.	.	.
9.867	1.6717	2.60	. Q	V	.	.	.
9.883	1.6753	2.61	. Q	V	.	.	.
9.900	1.6789	2.61	. Q	V	.	.	.
9.917	1.6825	2.61	. Q	V	.	.	.
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9.950	1.6897	2.62	. Q	V	.	.	.
9.967	1.6933	2.62	. Q	V	.	.	.
9.983	1.6969	2.62	. Q	V	.	.	.
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10.033	1.7077	2.63	. Q	.V	.	.	.
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10.517	1.8147	2.73	. Q	.V	.	.	.
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10.600	1.8336	2.75	. Q	.V	.	.	.
10.617	1.8374	2.75	. Q	.V	.	.	.
10.633	1.8412	2.75	. Q	.V	.	.	.
10.650	1.8450	2.75	. Q	.V	.	.	.
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10.700	1.8564	2.76	. Q	. V	.	.	.
10.717	1.8602	2.76	. Q	. V	.	.	.
10.733	1.8640	2.77	. Q	. V	.	.	.
10.750	1.8678	2.77	. Q	. V	.	.	.

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10.783	1.8754	2.78	. Q	. V	.	.	.	
10.800	1.8793	2.79	. Q	. V	.	.	.	
10.817	1.8831	2.79	. Q	. V	.	.	.	
10.833	1.8870	2.80	. Q	. V	.	.	.	
10.850	1.8908	2.80	. Q	. V	.	.	.	
10.867	1.8947	2.81	. Q	. V	.	.	.	
10.883	1.8986	2.81	. Q	. V	.	.	.	
10.900	1.9025	2.82	. Q	. V	.	.	.	
10.917	1.9063	2.82	. Q	. V	.	.	.	
10.933	1.9102	2.82	. Q	. V	.	.	.	
10.950	1.9141	2.82	. Q	. V	.	.	.	
10.967	1.9180	2.83	. Q	. V	.	.	.	
10.983	1.9219	2.83	. Q	. V	.	.	.	
11.000	1.9258	2.83	. Q	. V	.	.	.	
11.017	1.9297	2.84	. Q	. V	.	.	.	
11.033	1.9336	2.84	. Q	. V	.	.	.	
11.050	1.9375	2.84	. Q	. V	.	.	.	
11.067	1.9415	2.84	. Q	. V	.	.	.	
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11.100	1.9493	2.86	. Q	. V	.	.	.	
11.117	1.9533	2.86	. Q	. V	.	.	.	
11.133	1.9572	2.87	. Q	. V	.	.	.	
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11.233	1.9811	2.90	. Q	. V	.	.	.	
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11.267	1.9891	2.90	. Q	. V	.	.	.	
11.283	1.9931	2.91	. Q	. V	.	.	.	
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11.317	2.0011	2.91	. Q	. V	.	.	.	
11.333	2.0051	2.92	. Q	. V	.	.	.	
11.350	2.0091	2.92	. Q	. V	.	.	.	
11.367	2.0131	2.92	. Q	. V	.	.	.	
11.383	2.0172	2.92	. Q	. V	.	.	.	
11.400	2.0212	2.93	. Q	. V	.	.	.	
11.417	2.0253	2.94	. Q	. V	.	.	.	
11.433	2.0293	2.94	. Q	. V	.	.	.	
11.450	2.0334	2.95	. Q	. V	.	.	.	
11.467	2.0374	2.95	. Q	. V	.	.	.	
11.483	2.0415	2.96	. Q	. V	.	.	.	
11.500	2.0456	2.97	. Q	. V	.	.	.	
11.517	2.0497	2.97	. Q	. V	.	.	.	
11.533	2.0538	2.98	. Q	. V	.	.	.	
11.550	2.0579	2.98	. Q	. V	.	.	.	
11.567	2.0620	2.99	. Q	. V	.	.	.	
11.583	2.0661	2.99	. Q	. V	.	.	.	
11.600	2.0703	3.00	. Q	. V	.	.	.	
11.617	2.0744	3.00	. Q	. V	.	.	.	
11.633	2.0785	3.00	. Q	. V	.	.	.	
11.650	2.0827	3.00	. Q	. V	.	.	.	
11.667	2.0868	3.01	. Q	. V	.	.	.	
11.683	2.0910	3.01	. Q	. V	.	.	.	
11.700	2.0951	3.01	. Q	. V	.	.	.	
11.717	2.0993	3.02	. Q	. V	.	.	.	
11.733	2.1034	3.02	. Q	. V	.	.	.	
11.750	2.1076	3.03	. Q	. V	.	.	.	
11.767	2.1118	3.04	. Q	. V	.	.	.	
11.783	2.1160	3.04	. Q	. V	.	.	.	
11.800	2.1202	3.05	. Q	. V	.	.	.	
11.817	2.1244	3.06	. Q	. V	.	.	.	
11.833	2.1286	3.06	. Q	. V	.	.	.	
11.850	2.1329	3.07	. Q	. V	.	.	.	
11.867	2.1371	3.08	. Q	. V	.	.	.	
11.883	2.1414	3.09	. Q	. V	.	.	.	
11.900	2.1456	3.09	. Q	. V	.	.	.	
11.917	2.1499	3.09	. Q	. V	.	.	.	
11.933	2.1541	3.10	. Q	. V	.	.	.	
11.950	2.1584	3.10	. Q	. V	.	.	.	

11.967	2.1627	3.10	.	Q	.	V	.	.	.	
11.983	2.1670	3.11	.	Q	.	V	.	.	.	
12.000	2.1712	3.11	.	Q	.	V	.	.	.	
12.017	2.1755	3.11	.	Q	.	V	.	.	.	
12.033	2.1798	3.12	.	Q	.	V	.	.	.	
12.050	2.1841	3.12	.	Q	.	V	.	.	.	
12.067	2.1885	3.14	.	Q	.	V	.	.	.	
12.083	2.1928	3.16	.	Q	.	V	.	.	.	
12.100	2.1972	3.18	.	Q	.	V	.	.	.	
12.117	2.2016	3.20	.	Q	.	V	.	.	.	
12.133	2.2060	3.22	.	Q	.	V	.	.	.	
12.150	2.2105	3.24	.	Q	.	V	.	.	.	
12.167	2.2150	3.26	.	Q	.	V	.	.	.	
12.183	2.2195	3.28	.	Q	.	V	.	.	.	
12.200	2.2240	3.30	.	Q	.	V	.	.	.	
12.217	2.2286	3.31	.	Q	.	V	.	.	.	
12.233	2.2332	3.32	.	Q	.	V	.	.	.	
12.250	2.2377	3.32	.	Q	.	V	.	.	.	
12.267	2.2423	3.32	.	Q	.	V	.	.	.	
12.283	2.2469	3.33	.	Q	.	V	.	.	.	
12.300	2.2515	3.33	.	Q	.	V	.	.	.	
12.317	2.2561	3.34	.	Q	.	V	.	.	.	
12.333	2.2607	3.34	.	Q	.	V	.	.	.	
12.350	2.2653	3.34	.	Q	.	V	.	.	.	
12.367	2.2699	3.35	.	Q	.	V	.	.	.	
12.383	2.2745	3.35	.	Q	.	V	.	.	.	
12.400	2.2792	3.36	.	Q	.	V	.	.	.	
12.417	2.2838	3.37	.	Q	.	V	.	.	.	
12.433	2.2884	3.38	.	Q	.	V	.	.	.	
12.450	2.2931	3.39	.	Q	.	V	.	.	.	
12.467	2.2978	3.40	.	Q	.	V	.	.	.	
12.483	2.3025	3.40	.	Q	.	V	.	.	.	
12.500	2.3072	3.41	.	Q	.	V	.	.	.	
12.517	2.3119	3.42	.	Q	.	V	.	.	.	
12.533	2.3166	3.43	.	Q	.	V	.	.	.	
12.550	2.3214	3.44	.	Q	.	V	.	.	.	
12.567	2.3261	3.44	.	Q	.	V	.	.	.	
12.583	2.3308	3.45	.	Q	.	V	.	.	.	
12.600	2.3356	3.45	.	Q	.	V	.	.	.	
12.617	2.3403	3.45	.	Q	.	V	.	.	.	
12.633	2.3451	3.46	.	Q	.	V	.	.	.	
12.650	2.3499	3.46	.	Q	.	V	.	.	.	
12.667	2.3547	3.47	.	Q	.	V	.	.	.	
12.683	2.3594	3.47	.	Q	.	V	.	.	.	
12.700	2.3642	3.48	.	Q	.	V	.	.	.	
12.717	2.3690	3.48	.	Q	.	V	.	.	.	
12.733	2.3738	3.49	.	Q	.	V	.	.	.	
12.750	2.3787	3.50	.	Q	.	V	.	.	.	
12.767	2.3835	3.51	.	Q	.	V	.	.	.	
12.783	2.3884	3.52	.	Q	.	V	.	.	.	
12.800	2.3932	3.53	.	Q	.	V	.	.	.	
12.817	2.3981	3.54	.	Q	.	V	.	.	.	
12.833	2.4030	3.55	.	Q	.	V	.	.	.	
12.850	2.4079	3.56	.	Q	.	V	.	.	.	
12.867	2.4128	3.57	.	Q	.	V	.	.	.	
12.883	2.4178	3.58	.	Q	.	V	.	.	.	
12.900	2.4227	3.58	.	Q	.	V	.	.	.	
12.917	2.4276	3.59	.	Q	.	V	.	.	.	
12.933	2.4326	3.59	.	Q	.	V	.	.	.	
12.950	2.4376	3.60	.	Q	.	V	.	.	.	
12.967	2.4425	3.61	.	Q	.	V	.	.	.	
12.983	2.4475	3.61	.	Q	.	V	.	.	.	
13.000	2.4525	3.62	.	Q	.	V	.	.	.	
13.017	2.4575	3.62	.	Q	.	V	.	.	.	
13.033	2.4625	3.63	.	Q	.	V	.	.	.	
13.050	2.4675	3.64	.	Q	.	V	.	.	.	
13.067	2.4725	3.65	.	Q	.	V	.	.	.	
13.083	2.4775	3.66	.	Q	.	V	.	.	.	
13.100	2.4826	3.67	.	Q	.	V	.	.	.	
13.117	2.4876	3.68	.	Q	.	V	.	.	.	
13.133	2.4927	3.69	.	Q	.	V	.	.	.	
13.150	2.4978	3.70	.	Q	.	V	.	.	.	

13.167	2.5029	3.71	.	Q	.	V	.	.	.	
13.183	2.5081	3.73	.	Q	.	V	.	.	.	
13.200	2.5132	3.74	.	Q	.	V	.	.	.	
13.217	2.5184	3.74	.	Q	.	V	.	.	.	
13.233	2.5235	3.75	.	Q	.	V	.	.	.	
13.250	2.5287	3.76	.	Q	.	V	.	.	.	
13.267	2.5339	3.76	.	Q	.	V	.	.	.	
13.283	2.5391	3.77	.	Q	.	V	.	.	.	
13.300	2.5443	3.77	.	Q	.	V	.	.	.	
13.317	2.5495	3.78	.	Q	.	V	.	.	.	
13.333	2.5547	3.79	.	Q	.	V	.	.	.	
13.350	2.5599	3.79	.	Q	.	V	.	.	.	
13.367	2.5652	3.80	.	Q	.	V	.	.	.	
13.383	2.5704	3.81	.	Q	.	V	.	.	.	
13.400	2.5757	3.82	.	Q	.	V	.	.	.	
13.417	2.5810	3.84	.	Q	.	V	.	.	.	
13.433	2.5863	3.85	.	Q	.	V	.	.	.	
13.450	2.5916	3.86	.	Q	.	V	.	.	.	
13.467	2.5969	3.88	.	Q	.	V	.	.	.	
13.483	2.6023	3.89	.	Q	.	V	.	.	.	
13.500	2.6077	3.90	.	Q	.	V	.	.	.	
13.517	2.6131	3.92	.	Q	.	V	.	.	.	
13.533	2.6185	3.93	.	Q	.	V	.	.	.	
13.550	2.6239	3.94	.	Q	.	V	.	.	.	
13.567	2.6293	3.94	.	Q	.	V	.	.	.	
13.583	2.6348	3.95	.	Q	.	V	.	.	.	
13.600	2.6402	3.96	.	Q	.	V	.	.	.	
13.617	2.6457	3.97	.	Q	.	V	.	.	.	
13.633	2.6512	3.97	.	Q	.	V	.	.	.	
13.650	2.6566	3.98	.	Q	.	V	.	.	.	
13.667	2.6621	3.99	.	Q	.	V	.	.	.	
13.683	2.6676	3.99	.	Q	.	V	.	.	.	
13.700	2.6732	4.00	.	Q	.	V	.	.	.	
13.717	2.6787	4.02	.	Q	.	V	.	.	.	
13.733	2.6842	4.03	.	Q	.	V	.	.	.	
13.750	2.6898	4.05	.	Q	.	V	.	.	.	
13.767	2.6954	4.07	.	Q	.	V	.	.	.	
13.783	2.7011	4.08	.	Q	.	V	.	.	.	
13.800	2.7067	4.10	.	Q	.	V	.	.	.	
13.817	2.7124	4.11	.	Q	.	V	.	.	.	
13.833	2.7181	4.13	.	Q	.	V	.	.	.	
13.850	2.7238	4.15	.	Q	.	V	.	.	.	
13.867	2.7295	4.16	.	Q	.	V	.	.	.	
13.883	2.7352	4.17	.	Q	.	V	.	.	.	
13.900	2.7410	4.18	.	Q	.	V	.	.	.	
13.917	2.7468	4.19	.	Q	.	V	.	.	.	
13.933	2.7525	4.20	.	Q	.	V	.	.	.	
13.950	2.7583	4.20	.	Q	.	V	.	.	.	
13.967	2.7641	4.21	.	Q	.	V	.	.	.	
13.983	2.7700	4.22	.	Q	.	V	.	.	.	
14.000	2.7758	4.23	.	Q	.	V	.	.	.	
14.017	2.7816	4.24	.	Q	.	V	.	.	.	
14.033	2.7875	4.24	.	Q	.	V	.	.	.	
14.050	2.7933	4.22	.	Q	.	V	.	.	.	
14.067	2.7990	4.19	.	Q	.	V	.	.	.	
14.083	2.8048	4.17	.	Q	.	V	.	.	.	
14.100	2.8105	4.15	.	Q	.	V	.	.	.	
14.117	2.8162	4.12	.	Q	.	V	.	.	.	
14.133	2.8218	4.10	.	Q	.	V	.	.	.	
14.150	2.8274	4.08	.	Q	.	V	.	.	.	
14.167	2.8330	4.05	.	Q	.	V	.	.	.	
14.183	2.8386	4.03	.	Q	.	V	.	.	.	
14.200	2.8441	4.02	.	Q	.	V	.	.	.	
14.217	2.8497	4.03	.	Q	.	V	.	.	.	
14.233	2.8552	4.04	.	Q	.	V	.	.	.	
14.250	2.8608	4.05	.	Q	.	V	.	.	.	
14.267	2.8664	4.07	.	Q	.	V	.	.	.	
14.283	2.8720	4.08	.	Q	.	V	.	.	.	
14.300	2.8777	4.09	.	Q	.	V	.	.	.	
14.317	2.8833	4.10	.	Q	.	V	.	.	.	
14.333	2.8890	4.11	.	Q	.	V	.	.	.	
14.350	2.8947	4.12	.	Q	.	V	.	.	.	

14.367	2.9004	4.14	.	Q	.	V	.	.	.	.
14.383	2.9061	4.17	.	Q	.	V	.	.	.	.
14.400	2.9119	4.19	.	Q	.	V	.	.	.	.
14.417	2.9177	4.22	.	Q	.	V	.	.	.	.
14.433	2.9236	4.25	.	Q	.	V	.	.	.	.
14.450	2.9294	4.27	.	Q	.	V	.	.	.	.
14.467	2.9354	4.30	.	Q	.	V	.	.	.	.
14.483	2.9413	4.33	.	Q	.	V.	.	.	.	.
14.500	2.9473	4.35	.	Q	.	V.	.	.	.	.
14.517	2.9534	4.38	.	Q	.	V.	.	.	.	.
14.533	2.9594	4.40	.	Q	.	V.	.	.	.	.
14.550	2.9655	4.41	.	Q	.	V.	.	.	.	.
14.567	2.9716	4.43	.	Q	.	V.	.	.	.	.
14.583	2.9777	4.44	.	Q	.	V.	.	.	.	.
14.600	2.9839	4.46	.	Q	.	V.	.	.	.	.
14.617	2.9900	4.47	.	Q	.	V.	.	.	.	.
14.633	2.9962	4.49	.	Q	.	V.	.	.	.	.
14.650	3.0024	4.50	.	Q	.	V.	.	.	.	.
14.667	3.0086	4.52	.	Q	.	V.	.	.	.	.
14.683	3.0149	4.54	.	Q	.	V.	.	.	.	.
14.700	3.0212	4.57	.	Q	.	V.	.	.	.	.
14.717	3.0275	4.60	.	Q	.	V.	.	.	.	.
14.733	3.0339	4.64	.	Q	.	V.	.	.	.	.
14.750	3.0403	4.67	.	Q	.	V.	.	.	.	.
14.767	3.0468	4.71	.	Q	.	V.	.	.	.	.
14.783	3.0534	4.75	.	Q	.	V.	.	.	.	.
14.800	3.0599	4.78	.	Q	.	V.	.	.	.	.
14.817	3.0666	4.82	.	Q	.	V.	.	.	.	.
14.833	3.0733	4.85	.	Q	.	V.	.	.	.	.
14.850	3.0800	4.89	.	Q	.	V.	.	.	.	.
14.867	3.0868	4.91	.	Q	.	V.	.	.	.	.
14.883	3.0936	4.94	.	Q	.	V	.	.	.	.
14.900	3.1004	4.96	.	Q	.	V	.	.	.	.
14.917	3.1073	4.98	.	Q	.	V	.	.	.	.
14.933	3.1141	5.00	.	Q	.	V	.	.	.	.
14.950	3.1211	5.02	.	Q	.	V	.	.	.	.
14.967	3.1280	5.05	.	Q	.	V	.	.	.	.
14.983	3.1350	5.07	.	Q	.	V	.	.	.	.
15.000	3.1420	5.09	.	Q	.	V	.	.	.	.
15.017	3.1490	5.11	.	Q	.	V	.	.	.	.
15.033	3.1562	5.17	.	Q	.	V	.	.	.	.
15.050	3.1634	5.23	.	Q	.	V	.	.	.	.
15.067	3.1706	5.29	.	Q	.	V	.	.	.	.
15.083	3.1780	5.35	.	Q	.	V	.	.	.	.
15.100	3.1855	5.41	.	Q	.	V	.	.	.	.
15.117	3.1930	5.47	.	Q	.	V	.	.	.	.
15.133	3.2006	5.53	.	Q	.	V	.	.	.	.
15.150	3.2083	5.59	.	Q	.	V	.	.	.	.
15.167	3.2161	5.65	.	Q	.	V	.	.	.	.
15.183	3.2239	5.70	.	Q	.	V	.	.	.	.
15.200	3.2318	5.74	.	Q	.	V	.	.	.	.
15.217	3.2398	5.78	.	Q	.	V	.	.	.	.
15.233	3.2478	5.82	.	Q	.	.V	.	.	.	.
15.250	3.2559	5.86	.	Q	.	.V	.	.	.	.
15.267	3.2640	5.90	.	Q	.	.V	.	.	.	.
15.283	3.2722	5.94	.	Q	.	.V	.	.	.	.
15.300	3.2805	5.98	.	Q	.	.V	.	.	.	.
15.317	3.2888	6.02	.	Q	.	.V	.	.	.	.
15.333	3.2971	6.06	.	Q	.	.V	.	.	.	.
15.350	3.3055	6.09	.	Q	.	.V	.	.	.	.
15.367	3.3138	6.04	.	Q	.	.V	.	.	.	.
15.383	3.3221	5.98	.	Q	.	.V	.	.	.	.
15.400	3.3302	5.93	.	Q	.	.V	.	.	.	.
15.417	3.3383	5.88	.	Q	.	.V	.	.	.	.
15.433	3.3463	5.82	.	Q	.	.V	.	.	.	.
15.450	3.3543	5.77	.	Q	.	.V	.	.	.	.
15.467	3.3621	5.71	.	Q	.	.V	.	.	.	.
15.483	3.3699	5.66	.	Q	.	.V	.	.	.	.
15.500	3.3777	5.60	.	Q	.	.V	.	.	.	.
15.517	3.3853	5.58	.	Q	.	.V	.	.	.	.
15.533	3.3931	5.65	.	Q	.	.V	.	.	.	.
15.550	3.4010	5.73	.	Q	.	. V	.	.	.	.


15.567 3.4090 5.81
15.583 3.4172 5.89
15.600 3.4254 5.97
15.617 3.4337 6.05
15.633 3.4422 6.13
15.650 3.4507 6.21
15.667 3.4594 6.29
15.683 3.4683 6.44
15.700 3.4775 6.70
15.717 3.4871 6.98
15.733 3.4971 7.25
15.750 3.5075 7.52
15.767 3.5182 7.79
15.783 3.5293 8.06
15.800 3.5408 8.34
15.817 3.5526 8.61
15.833 3.5649 8.88
15.850 3.5775 9.19
15.867 3.5907 9.56
15.883 3.6044 9.93
15.900 3.6186 10.30
15.917 3.6333 10.67
15.933 3.6485 11.04
15.950 3.6642 11.41
15.967 3.6804 11.78
15.983 3.6971 12.15
16.000 3.7144 12.52
16.017 3.7338 14.13
16.033 3.7572 16.99
16.050 3.7846 19.85
16.067 3.8159 22.71
16.083 3.8511 25.57
16.100 3.8902 28.42
16.117 3.9333 31.28
16.133 3.9803 34.14
16.150 4.0313 37.00
16.167 4.0878 41.00
16.183 4.1415 38.97
16.200 4.1905 35.59
16.217 4.2348 32.20
16.233 4.2745 28.81
16.250 4.3096 25.43
16.267 4.3399 22.04
16.283 4.3656 18.65
16.300 4.3866 15.27
16.317 4.4030 11.88
16.333 4.4148 8.56
16.350 4.4250 7.41
16.367 4.4351 7.31
16.383 4.4450 7.21
16.400 4.4548 7.11
16.417 4.4644 7.01
16.433 4.4739 6.90
16.450 4.4833 6.80
16.467 4.4925 6.70
16.483 4.5016 6.60
16.500 4.5106 6.50
16.517 4.5194 6.39
16.533 4.5280 6.28
16.550 4.5365 6.17
16.567 4.5449 6.06
16.583 4.5531 5.94
16.600 4.5611 5.83
16.617 4.5690 5.72
16.633 4.5767 5.61
16.650 4.5843 5.50
16.667 4.5917 5.39
16.683 4.5990 5.31
16.700 4.6063 5.25
16.717 4.6134 5.18
16.733 4.6204 5.11
16.750 4.6274 5.04

16.767	4.6342	4.98	.	Q	.	.	V.	.
16.783	4.6410	4.91	.	Q	.	.	V	.
16.800	4.6477	4.84	.	Q	.	.	V	.
16.817	4.6542	4.78	.	Q	.	.	V	.
16.833	4.6607	4.71	.	Q	.	.	V	.
16.850	4.6672	4.66	.	Q	.	.	V	.
16.867	4.6735	4.62	.	Q	.	.	V	.
16.883	4.6798	4.57	.	Q	.	.	V	.
16.900	4.6860	4.52	.	Q	.	.	V	.
16.917	4.6922	4.48	.	Q	.	.	V	.
16.933	4.6983	4.43	.	Q	.	.	V	.
16.950	4.7044	4.39	.	Q	.	.	V	.
16.967	4.7103	4.34	.	Q	.	.	V	.
16.983	4.7162	4.29	.	Q	.	.	V	.
17.000	4.7221	4.26	.	Q	.	.	V	.
17.017	4.7280	4.25	.	Q	.	.	V	.
17.033	4.7338	4.26	.	Q	.	.	V	.
17.050	4.7397	4.26	.	Q	.	.	V	.
17.067	4.7456	4.26	.	Q	.	.	V	.
17.083	4.7514	4.26	.	Q	.	.	V	.
17.100	4.7573	4.26	.	Q	.	.	V	.
17.117	4.7632	4.26	.	Q	.	.	V	.
17.133	4.7690	4.26	.	Q	.	.	V	.
17.150	4.7749	4.26	.	Q	.	.	V	.
17.167	4.7808	4.26	.	Q	.	.	V	.
17.183	4.7866	4.24	.	Q	.	.	V	.
17.200	4.7924	4.22	.	Q	.	.	.V	.
17.217	4.7982	4.20	.	Q	.	.	.V	.
17.233	4.8040	4.18	.	Q	.	.	.V	.
17.250	4.8097	4.17	.	Q	.	.	.V	.
17.267	4.8154	4.15	.	Q	.	.	.V	.
17.283	4.8211	4.13	.	Q	.	.	.V	.
17.300	4.8268	4.11	.	Q	.	.	.V	.
17.317	4.8324	4.09	.	Q	.	.	.V	.
17.333	4.8380	4.07	.	Q	.	.	.V	.
17.350	4.8436	4.05	.	Q	.	.	.V	.
17.367	4.8491	4.03	.	Q	.	.	.V	.
17.383	4.8546	4.01	.	Q	.	.	.V	.
17.400	4.8601	3.98	.	Q	.	.	.V	.
17.417	4.8656	3.96	.	Q	.	.	.V	.
17.433	4.8710	3.94	.	Q	.	.	.V	.
17.450	4.8764	3.92	.	Q	.	.	.V	.
17.467	4.8818	3.90	.	Q	.	.	.V	.
17.483	4.8871	3.88	.	Q	.	.	.V	.
17.500	4.8924	3.86	.	Q	.	.	.V	.
17.517	4.8977	3.84	.	Q	.	.	.V	.
17.533	4.9030	3.82	.	Q	.	.	.V	.
17.550	4.9082	3.80	.	Q	.	.	.V	.
17.567	4.9134	3.78	.	Q	.	.	.V	.
17.583	4.9186	3.76	.	Q	.	.	.V	.
17.600	4.9238	3.75	.	Q	.	.	.V	.
17.617	4.9289	3.73	.	Q	.	.	.V	.
17.633	4.9340	3.71	.	Q	.	.	.V	.
17.650	4.9391	3.69	.	Q	.	.	.V	.
17.667	4.9442	3.67	.	Q	.	.	.V	.
17.683	4.9492	3.66	.	Q	.	.	. V	.
17.700	4.9542	3.64	.	Q	.	.	. V	.
17.717	4.9592	3.63	.	Q	.	.	. V	.
17.733	4.9642	3.61	.	Q	.	.	. V	.
17.750	4.9691	3.60	.	Q	.	.	. V	.
17.767	4.9741	3.58	.	Q	.	.	. V	.
17.783	4.9790	3.56	.	Q	.	.	. V	.
17.800	4.9839	3.55	.	Q	.	.	. V	.
17.817	4.9887	3.53	.	Q	.	.	. V	.
17.833	4.9936	3.52	.	Q	.	.	. V	.
17.850	4.9984	3.50	.	Q	.	.	. V	.
17.867	5.0032	3.49	.	Q	.	.	. V	.
17.883	5.0080	3.48	.	Q	.	.	. V	.
17.900	5.0128	3.46	.	Q	.	.	. V	.
17.917	5.0175	3.45	.	Q	.	.	. V	.
17.933	5.0223	3.44	.	Q	.	.	. V	.
17.950	5.0270	3.42	.	Q	.	.	. V	.

17.967	5.0317	3.41	.	Q	.	.	.	V	.
17.983	5.0364	3.40	.	Q	.	.	.	V	.
18.000	5.0410	3.38	.	Q	.	.	.	V	.
18.017	5.0456	3.36	.	Q	.	.	.	V	.
18.033	5.0502	3.34	.	Q	.	.	.	V	.
18.050	5.0548	3.32	.	Q	.	.	.	V	.
18.067	5.0594	3.30	.	Q	.	.	.	V	.
18.083	5.0639	3.28	.	Q	.	.	.	V	.
18.100	5.0684	3.26	.	Q	.	.	.	V	.
18.117	5.0728	3.24	.	Q	.	.	.	V	.
18.133	5.0773	3.22	.	Q	.	.	.	V	.
18.150	5.0817	3.20	.	Q	.	.	.	V	.
18.167	5.0861	3.19	.	Q	.	.	.	V	.
18.183	5.0904	3.17	.	Q	.	.	.	V	.
18.200	5.0948	3.16	.	Q	.	.	.	V	.
18.217	5.0991	3.14	.	Q	.	.	.	V	.
18.233	5.1034	3.13	.	Q	.	.	.	V	.
18.250	5.1077	3.11	.	Q	.	.	.	V	.
18.267	5.1120	3.10	.	Q	.	.	.	V	.
18.283	5.1162	3.08	.	Q	.	.	.	V	.
18.300	5.1205	3.07	.	Q	.	.	.	V	.
18.317	5.1247	3.05	.	Q	.	.	.	V	.
18.333	5.1289	3.04	.	Q	.	.	.	V	.
18.350	5.1330	3.03	.	Q	.	.	.	V	.
18.367	5.1372	3.02	.	Q	.	.	.	V	.
18.383	5.1413	3.01	.	Q	.	.	.	V	.
18.400	5.1455	3.00	.	Q	.	.	.	V	.
18.417	5.1496	2.99	.	Q	.	.	.	V	.
18.433	5.1537	2.98	.	Q	.	.	.	V	.
18.450	5.1578	2.97	.	Q	.	.	.	V	.
18.467	5.1619	2.96	.	Q	.	.	.	V	.
18.483	5.1660	2.96	.	Q	.	.	.	V	.
18.500	5.1700	2.95	.	Q	.	.	.	V	.
18.517	5.1741	2.94	.	Q	.	.	.	V	.
18.533	5.1781	2.93	.	Q	.	.	.	V	.
18.550	5.1821	2.92	.	Q	.	.	.	V	.
18.567	5.1861	2.91	.	Q	.	.	.	V	.
18.583	5.1901	2.90	.	Q	.	.	.	V	.
18.600	5.1941	2.89	.	Q	.	.	.	V	.
18.617	5.1981	2.89	.	Q	.	.	.	V	.
18.633	5.2021	2.88	.	Q	.	.	.	V	.
18.650	5.2060	2.87	.	Q	.	.	.	V	.
18.667	5.2100	2.86	.	Q	.	.	.	V	.
18.683	5.2139	2.85	.	Q	.	.	.	V	.
18.700	5.2178	2.84	.	Q	.	.	.	V	.
18.717	5.2217	2.84	.	Q	.	.	.	V	.
18.733	5.2256	2.83	.	Q	.	.	.	V	.
18.750	5.2295	2.82	.	Q	.	.	.	V	.
18.767	5.2334	2.81	.	Q	.	.	.	V	.
18.783	5.2372	2.80	.	Q	.	.	.	V	.
18.800	5.2411	2.80	.	Q	.	.	.	V	.
18.817	5.2449	2.79	.	Q	.	.	.	V	.
18.833	5.2487	2.78	.	Q	.	.	.	V	.
18.850	5.2526	2.77	.	Q	.	.	.	V	.
18.867	5.2564	2.77	.	Q	.	.	.	V	.
18.883	5.2602	2.76	.	Q	.	.	.	V	.
18.900	5.2640	2.75	.	Q	.	.	.	V	.
18.917	5.2678	2.75	.	Q	.	.	.	V	.
18.933	5.2715	2.74	.	Q	.	.	.	V	.
18.950	5.2753	2.73	.	Q	.	.	.	V	.
18.967	5.2790	2.72	.	Q	.	.	.	V	.
18.983	5.2828	2.72	.	Q	.	.	.	V	.
19.000	5.2865	2.71	.	Q	.	.	.	V	.
19.017	5.2902	2.70	.	Q	.	.	.	V	.
19.033	5.2939	2.70	.	Q	.	.	.	V	.
19.050	5.2976	2.69	.	Q	.	.	.	V	.
19.067	5.3013	2.68	.	Q	.	.	.	V	.
19.083	5.3050	2.68	.	Q	.	.	.	V	.
19.100	5.3087	2.67	.	Q	.	.	.	V	.
19.117	5.3124	2.66	.	Q	.	.	.	V	.
19.133	5.3160	2.66	.	Q	.	.	.	V	.
19.150	5.3197	2.65	.	Q	.	.	.	V	.

19.167	5.3233	2.64	.	Q	.	.	V	.
19.183	5.3270	2.64	.	Q	.	.	V	.
19.200	5.3306	2.63	.	Q	.	.	V	.
19.217	5.3342	2.62	.	Q	.	.	V	.
19.233	5.3378	2.62	.	Q	.	.	V	.
19.250	5.3414	2.61	.	Q	.	.	V	.
19.267	5.3450	2.61	.	Q	.	.	V	.
19.283	5.3486	2.60	.	Q	.	.	V	.
19.300	5.3521	2.59	.	Q	.	.	V	.
19.317	5.3557	2.59	.	Q	.	.	V	.
19.333	5.3593	2.58	.	Q	.	.	V	.
19.350	5.3628	2.58	.	Q	.	.	V	.
19.367	5.3664	2.57	.	Q	.	.	V	.
19.383	5.3699	2.56	.	Q	.	.	V	.
19.400	5.3734	2.56	.	Q	.	.	V	.
19.417	5.3769	2.55	.	Q	.	.	V	.
19.433	5.3804	2.55	.	Q	.	.	V	.
19.450	5.3839	2.54	.	Q	.	.	V	.
19.467	5.3874	2.54	.	Q	.	.	V	.
19.483	5.3909	2.53	.	Q	.	.	V	.
19.500	5.3944	2.53	.	Q	.	.	V	.
19.517	5.3979	2.52	.	Q	.	.	V	.
19.533	5.4013	2.51	.	Q	.	.	V	.
19.550	5.4048	2.51	.	Q	.	.	V	.
19.567	5.4082	2.50	.	Q	.	.	V	.
19.583	5.4117	2.50	.	Q	.	.	V	.
19.600	5.4151	2.49	.	Q	.	.	V	.
19.617	5.4185	2.49	.	Q	.	.	V	.
19.633	5.4220	2.48	.	Q	.	.	V	.
19.650	5.4254	2.48	.	Q	.	.	V	.
19.667	5.4288	2.47	.	Q	.	.	V	.
19.683	5.4322	2.47	.	Q	.	.	V	.
19.700	5.4356	2.46	.	Q	.	.	V	.
19.717	5.4390	2.46	.	Q	.	.	V	.
19.733	5.4423	2.45	.	Q	.	.	V	.
19.750	5.4457	2.45	.	Q	.	.	V	.
19.767	5.4491	2.44	.	Q	.	.	V	.
19.783	5.4524	2.44	.	Q	.	.	V	.
19.800	5.4558	2.43	.	Q	.	.	V	.
19.817	5.4591	2.43	.	Q	.	.	V	.
19.833	5.4625	2.42	.	Q	.	.	V	.
19.850	5.4658	2.42	.	Q	.	.	V	.
19.867	5.4691	2.41	.	Q	.	.	V	.
19.883	5.4724	2.41	.	Q	.	.	V	.
19.900	5.4757	2.40	.	Q	.	.	V	.
19.917	5.4790	2.40	.	Q	.	.	V	.
19.933	5.4823	2.40	.	Q	.	.	V	.
19.950	5.4856	2.39	.	Q	.	.	V	.
19.967	5.4889	2.39	.	Q	.	.	V	.
19.983	5.4922	2.38	.	Q	.	.	V	.
20.000	5.4955	2.38	.	Q	.	.	V	.
20.017	5.4988	2.37	.	Q	.	.	V	.
20.033	5.5020	2.37	.	Q	.	.	V	.
20.050	5.5053	2.36	.	Q	.	.	V	.
20.067	5.5085	2.36	.	Q	.	.	V	.
20.083	5.5118	2.35	.	Q	.	.	V	.
20.100	5.5150	2.35	.	Q	.	.	V	.
20.117	5.5182	2.35	.	Q	.	.	V	.
20.133	5.5215	2.34	.	Q	.	.	V	.
20.150	5.5247	2.34	.	Q	.	.	V	.
20.167	5.5279	2.33	.	Q	.	.	V	.
20.183	5.5311	2.33	.	Q	.	.	V	.
20.200	5.5343	2.33	.	Q	.	.	V	.
20.217	5.5375	2.32	.	Q	.	.	V	.
20.233	5.5407	2.32	.	Q	.	.	V	.
20.250	5.5439	2.31	.	Q	.	.	V	.
20.267	5.5471	2.31	.	Q	.	.	V	.
20.283	5.5502	2.30	.	Q	.	.	V	.
20.300	5.5534	2.30	.	Q	.	.	V	.
20.317	5.5566	2.30	.	Q	.	.	V	.
20.333	5.5597	2.29	.	Q	.	.	V	.
20.350	5.5629	2.29	.	Q	.	.	V	.

20.367	5.5660	2.28	.	Q	.	.	.	V .
20.383	5.5692	2.28	.	Q	.	.	.	V .
20.400	5.5723	2.28	.	Q	.	.	.	V .
20.417	5.5754	2.27	.	Q	.	.	.	V .
20.433	5.5786	2.27	.	Q	.	.	.	V .
20.450	5.5817	2.27	.	Q	.	.	.	V .
20.467	5.5848	2.26	.	Q	.	.	.	V .
20.483	5.5879	2.26	.	Q	.	.	.	V .
20.500	5.5910	2.25	.	Q	.	.	.	V .
20.517	5.5941	2.25	.	Q	.	.	.	V .
20.533	5.5972	2.25	.	Q	.	.	.	V .
20.550	5.6003	2.24	.	Q	.	.	.	V .
20.567	5.6034	2.24	.	Q	.	.	.	V .
20.583	5.6065	2.24	.	Q	.	.	.	V .
20.600	5.6095	2.23	.	Q	.	.	.	V .
20.617	5.6126	2.23	.	Q	.	.	.	V .
20.633	5.6157	2.22	.	Q	.	.	.	V .
20.650	5.6187	2.22	.	Q	.	.	.	V .
20.667	5.6218	2.22	.	Q	.	.	.	V .
20.683	5.6248	2.21	.	Q	.	.	.	V .
20.700	5.6279	2.21	.	Q	.	.	.	V .
20.717	5.6309	2.21	.	Q	.	.	.	V .
20.733	5.6339	2.20	.	Q	.	.	.	V .
20.750	5.6370	2.20	.	Q	.	.	.	V .
20.767	5.6400	2.20	.	Q	.	.	.	V .
20.783	5.6430	2.19	.	Q	.	.	.	V .
20.800	5.6460	2.19	.	Q	.	.	.	V .
20.817	5.6490	2.19	.	Q	.	.	.	V .
20.833	5.6520	2.18	.	Q	.	.	.	V .
20.850	5.6550	2.18	.	Q	.	.	.	V .
20.867	5.6580	2.18	.	Q	.	.	.	V .
20.883	5.6610	2.17	.	Q	.	.	.	V .
20.900	5.6640	2.17	.	Q	.	.	.	V .
20.917	5.6670	2.17	.	Q	.	.	.	V .
20.933	5.6700	2.16	.	Q	.	.	.	V .
20.950	5.6730	2.16	.	Q	.	.	.	V .
20.967	5.6759	2.16	.	Q	.	.	.	V .
20.983	5.6789	2.15	.	Q	.	.	.	V .
21.000	5.6819	2.15	.	Q	.	.	.	V .
21.017	5.6848	2.15	.	Q	.	.	.	V .
21.033	5.6878	2.14	.	Q	.	.	.	V .
21.050	5.6907	2.14	.	Q	.	.	.	V .
21.067	5.6937	2.14	.	Q	.	.	.	V .
21.083	5.6966	2.13	.	Q	.	.	.	V .
21.100	5.6995	2.13	.	Q	.	.	.	V .
21.117	5.7025	2.13	.	Q	.	.	.	V .
21.133	5.7054	2.12	.	Q	.	.	.	V .
21.150	5.7083	2.12	.	Q	.	.	.	V .
21.167	5.7112	2.12	.	Q	.	.	.	V .
21.183	5.7141	2.12	.	Q	.	.	.	V .
21.200	5.7171	2.11	.	Q	.	.	.	V .
21.217	5.7200	2.11	.	Q	.	.	.	V .
21.233	5.7229	2.11	.	Q	.	.	.	V .
21.250	5.7258	2.10	.	Q	.	.	.	V .
21.267	5.7286	2.10	.	Q	.	.	.	V .
21.283	5.7315	2.10	.	Q	.	.	.	V .
21.300	5.7344	2.09	.	Q	.	.	.	V .
21.317	5.7373	2.09	.	Q	.	.	.	V .
21.333	5.7402	2.09	.	Q	.	.	.	V .
21.350	5.7431	2.09	.	Q	.	.	.	V .
21.367	5.7459	2.08	.	Q	.	.	.	V .
21.383	5.7488	2.08	.	Q	.	.	.	V .
21.400	5.7516	2.08	.	Q	.	.	.	V .
21.417	5.7545	2.07	.	Q	.	.	.	V .
21.433	5.7574	2.07	.	Q	.	.	.	V .
21.450	5.7602	2.07	.	Q	.	.	.	V .
21.467	5.7630	2.07	.	Q	.	.	.	V .
21.483	5.7659	2.06	.	Q	.	.	.	V .
21.500	5.7687	2.06	.	Q	.	.	.	V .
21.517	5.7716	2.06	.	Q	.	.	.	V .
21.533	5.7744	2.05	.	Q	.	.	.	V .
21.550	5.7772	2.05	.	Q	.	.	.	V .

21.567	5.7800	2.05	.Q	.	.	.	V .
21.583	5.7829	2.05	.Q	.	.	.	V .
21.600	5.7857	2.04	.Q	.	.	.	V .
21.617	5.7885	2.04	.Q	.	.	.	V .
21.633	5.7913	2.04	.Q	.	.	.	V .
21.650	5.7941	2.04	.Q	.	.	.	V .
21.667	5.7969	2.03	.Q	.	.	.	V .
21.683	5.7997	2.03	.Q	.	.	.	V .
21.700	5.8025	2.03	.Q	.	.	.	V .
21.717	5.8053	2.02	.Q	.	.	.	V .
21.733	5.8081	2.02	.Q	.	.	.	V .
21.750	5.8108	2.02	.Q	.	.	.	V .
21.767	5.8136	2.02	.Q	.	.	.	V .
21.783	5.8164	2.01	.Q	.	.	.	V .
21.800	5.8192	2.01	.Q	.	.	.	V .
21.817	5.8219	2.01	.Q	.	.	.	V .
21.833	5.8247	2.01	.Q	.	.	.	V .
21.850	5.8274	2.00	.Q	.	.	.	V .
21.867	5.8302	2.00	.Q	.	.	.	V .
21.883	5.8330	2.00	.Q	.	.	.	V .
21.900	5.8357	2.00	.Q	.	.	.	V .
21.917	5.8384	1.99	.Q	.	.	.	V .
21.933	5.8412	1.99	.Q	.	.	.	V .
21.950	5.8439	1.99	.Q	.	.	.	V .
21.967	5.8467	1.99	.Q	.	.	.	V .
21.983	5.8494	1.98	.Q	.	.	.	V .
22.000	5.8521	1.98	.Q	.	.	.	V .
22.017	5.8549	1.98	.Q	.	.	.	V .
22.033	5.8576	1.98	.Q	.	.	.	V .
22.050	5.8603	1.97	.Q	.	.	.	V .
22.067	5.8630	1.97	.Q	.	.	.	V .
22.083	5.8657	1.97	.Q	.	.	.	V .
22.100	5.8684	1.97	.Q	.	.	.	V .
22.117	5.8711	1.96	.Q	.	.	.	V .
22.133	5.8738	1.96	.Q	.	.	.	V .
22.150	5.8765	1.96	.Q	.	.	.	V .
22.167	5.8792	1.96	.Q	.	.	.	V .
22.183	5.8819	1.95	.Q	.	.	.	V .
22.200	5.8846	1.95	.Q	.	.	.	V .
22.217	5.8873	1.95	.Q	.	.	.	V .
22.233	5.8900	1.95	.Q	.	.	.	V .
22.250	5.8927	1.95	.Q	.	.	.	V .
22.267	5.8953	1.94	.Q	.	.	.	V .
22.283	5.8980	1.94	.Q	.	.	.	V .
22.300	5.9007	1.94	.Q	.	.	.	V .
22.317	5.9034	1.94	.Q	.	.	.	V .
22.333	5.9060	1.93	.Q	.	.	.	V .
22.350	5.9087	1.93	.Q	.	.	.	V .
22.367	5.9113	1.93	.Q	.	.	.	V .
22.383	5.9140	1.93	.Q	.	.	.	V .
22.400	5.9166	1.92	.Q	.	.	.	V .
22.417	5.9193	1.92	.Q	.	.	.	V .
22.433	5.9219	1.92	.Q	.	.	.	V .
22.450	5.9246	1.92	.Q	.	.	.	V .
22.467	5.9272	1.92	.Q	.	.	.	V .
22.483	5.9299	1.91	.Q	.	.	.	V .
22.500	5.9325	1.91	.Q	.	.	.	V .
22.517	5.9351	1.91	.Q	.	.	.	V .
22.533	5.9377	1.91	.Q	.	.	.	V .
22.550	5.9404	1.91	.Q	.	.	.	V .
22.567	5.9430	1.90	.Q	.	.	.	V .
22.583	5.9456	1.90	.Q	.	.	.	V .
22.600	5.9482	1.90	.Q	.	.	.	V .
22.617	5.9508	1.90	.Q	.	.	.	V .
22.633	5.9534	1.89	.Q	.	.	.	V .
22.650	5.9560	1.89	.Q	.	.	.	V .
22.667	5.9587	1.89	.Q	.	.	.	V .
22.683	5.9613	1.89	.Q	.	.	.	V .
22.700	5.9639	1.89	.Q	.	.	.	V .
22.717	5.9664	1.88	.Q	.	.	.	V .
22.733	5.9690	1.88	.Q	.	.	.	V .
22.750	5.9716	1.88	.Q	.	.	.	V .

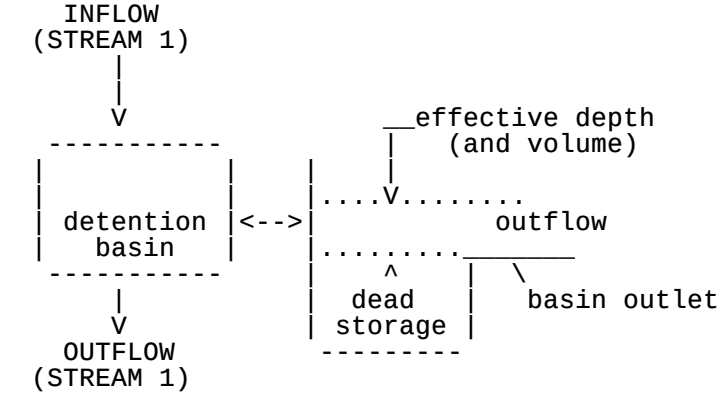
22.767	5.9742	1.88	.Q	.	.	.	V .
22.783	5.9768	1.88	.Q	.	.	.	V .
22.800	5.9794	1.87	.Q	.	.	.	V .
22.817	5.9820	1.87	.Q	.	.	.	V .
22.833	5.9845	1.87	.Q	.	.	.	V .
22.850	5.9871	1.87	.Q	.	.	.	V .
22.867	5.9897	1.87	.Q	.	.	.	V .
22.883	5.9922	1.86	.Q	.	.	.	V .
22.900	5.9948	1.86	.Q	.	.	.	V .
22.917	5.9974	1.86	.Q	.	.	.	V .
22.933	5.9999	1.86	.Q	.	.	.	V .
22.950	6.0025	1.86	.Q	.	.	.	V .
22.967	6.0050	1.85	.Q	.	.	.	V .
22.983	6.0076	1.85	.Q	.	.	.	V .
23.000	6.0101	1.85	.Q	.	.	.	V .
23.017	6.0127	1.85	.Q	.	.	.	V .
23.033	6.0152	1.85	.Q	.	.	.	V .
23.050	6.0178	1.84	.Q	.	.	.	V .
23.067	6.0203	1.84	.Q	.	.	.	V .
23.083	6.0228	1.84	.Q	.	.	.	V .
23.100	6.0254	1.84	.Q	.	.	.	V .
23.117	6.0279	1.84	.Q	.	.	.	V.
23.133	6.0304	1.83	.Q	.	.	.	V.
23.150	6.0329	1.83	.Q	.	.	.	V.
23.167	6.0355	1.83	.Q	.	.	.	V.
23.183	6.0380	1.83	.Q	.	.	.	V.
23.200	6.0405	1.83	.Q	.	.	.	V.
23.217	6.0430	1.82	.Q	.	.	.	V.
23.233	6.0455	1.82	.Q	.	.	.	V.
23.250	6.0480	1.82	.Q	.	.	.	V.
23.267	6.0505	1.82	.Q	.	.	.	V.
23.283	6.0530	1.82	.Q	.	.	.	V.
23.300	6.0555	1.82	.Q	.	.	.	V.
23.317	6.0580	1.81	.Q	.	.	.	V.
23.333	6.0605	1.81	.Q	.	.	.	V.
23.350	6.0630	1.81	.Q	.	.	.	V.
23.367	6.0655	1.81	.Q	.	.	.	V.
23.383	6.0680	1.81	.Q	.	.	.	V.
23.400	6.0705	1.80	.Q	.	.	.	V.
23.417	6.0730	1.80	.Q	.	.	.	V.
23.433	6.0754	1.80	.Q	.	.	.	V.
23.450	6.0779	1.80	.Q	.	.	.	V.
23.467	6.0804	1.80	.Q	.	.	.	V.
23.483	6.0829	1.80	.Q	.	.	.	V.
23.500	6.0853	1.79	.Q	.	.	.	V.
23.517	6.0878	1.79	.Q	.	.	.	V.
23.533	6.0903	1.79	.Q	.	.	.	V.
23.550	6.0927	1.79	.Q	.	.	.	V.
23.567	6.0952	1.79	.Q	.	.	.	V.
23.583	6.0977	1.78	.Q	.	.	.	V.
23.600	6.1001	1.78	.Q	.	.	.	V.
23.617	6.1026	1.78	.Q	.	.	.	V.
23.633	6.1050	1.78	.Q	.	.	.	V.
23.650	6.1075	1.78	.Q	.	.	.	V.
23.667	6.1099	1.78	.Q	.	.	.	V.
23.683	6.1124	1.77	.Q	.	.	.	V.
23.700	6.1148	1.77	.Q	.	.	.	V.
23.717	6.1172	1.77	.Q	.	.	.	V.
23.733	6.1197	1.77	.Q	.	.	.	V.
23.750	6.1221	1.77	.Q	.	.	.	V.
23.767	6.1246	1.77	.Q	.	.	.	V.
23.783	6.1270	1.76	.Q	.	.	.	V.
23.800	6.1294	1.76	.Q	.	.	.	V.
23.817	6.1318	1.76	.Q	.	.	.	V.
23.833	6.1343	1.76	.Q	.	.	.	V.
23.850	6.1367	1.76	.Q	.	.	.	V.
23.867	6.1391	1.76	.Q	.	.	.	V.
23.883	6.1415	1.75	.Q	.	.	.	V.
23.900	6.1439	1.75	.Q	.	.	.	V.
23.917	6.1463	1.75	.Q	.	.	.	V.
23.933	6.1488	1.75	.Q	.	.	.	V.
23.950	6.1512	1.75	.Q	.	.	.	V.

```
  23.967      6.1536      1.75  .Q        .         .         .         V.
  23.983      6.1560      1.74  .Q        .         .         .         V.
  24.000      6.1584      1.74  .Q        .         .         .         V.
  24.017      6.1608      1.74  .Q        .         .         .         V.
  24.033      6.1632      1.74  .Q        .         .         .         V.
  24.050      6.1656      1.74  .Q        .         .         .         V.
  24.067      6.1679      1.74  .Q        .         .         .         V.
  24.083      6.1703      1.74  .Q        .         .         .         V.
  24.100      6.1726      1.66  .Q        .         .         .         V.
  24.117      6.1747      1.49  .Q        .         .         .         V.
  24.133      6.1765      1.31  .Q        .         .         .         V.
  24.150      6.1781      1.14  .Q        .         .         .         V.
  24.167      6.1794      0.96  Q         .         .         .         V.
  24.183      6.1805      0.79  Q         .         .         .         V.
  24.200      6.1813      0.61  Q         .         .         .         V.
  24.217      6.1819      0.44  Q         .         .         .         V.
  24.233      6.1823      0.26  Q         .         .         .         V.
  24.250      6.1824      0.09  Q         .         .         .          V
-------------------------------------------------------------------------------
--
```

TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
(Note: 100% of Peak Flow Rate estimate assumed to have
an instantaneous time duration)

Percentile of Estimated Peak Flow Rate	Duration (minutes)
0%	1455.0
10%	995.0
20%	165.0
30%	95.0
40%	80.0
50%	65.0
60%	55.0
70%	40.0
80%	25.0
90%	15.0

```
*******************************************************************************
  FLOW PROCESS FROM NODE    226.00 TO NODE    226.00 IS CODE = 3.2
-------------------------------------------------------------------------------
  >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
===============================================================================
```




```
          ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
          THROUGH A FLOW-THROUGH DETENTION BASIN
          SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
            DEAD STORAGE(AF) =      0.000
            SPECIFIED DEAD STORAGE(AF) FILLED =      0.000
            SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =      0.000
            DETENTION BASIN CONSTANT LOSS RATE(CFS) =    0.00
```

BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

INTERVAL NUMBER	DEPTH (FT)	OUTFLOW (CFS)	STORAGE (AF)
1	0.00	0.00	0.000
2	0.10	22.86	0.001
3	0.20	23.02	0.009
4	0.30	23.18	0.029
5	0.40	23.33	0.067
6	0.50	23.49	0.124
7	0.60	23.64	0.206
8	0.70	23.79	0.311
9	0.80	23.95	0.436
10	0.90	24.10	0.578
11	1.00	24.25	0.737
12	1.10	24.40	0.912
13	1.20	24.54	1.103
14	1.30	24.69	1.308
15	1.40	24.84	1.530

==========

MODIFIED-PULS BASIN ROUTING MODEL RESULTS(1-MINUTE COMPUTATION INTERVALS):
(Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time; MEAN OUTFLOW is the average value during the unit interval.)

CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
0.017	0.000	0.09	0.00	0.00	0.1	0.000
0.033	0.000	0.27	0.00	0.00	0.3	0.000
0.050	0.000	0.45	0.00	0.00	0.4	0.000
0.067	0.000	0.63	0.00	0.00	0.6	0.000
0.083	0.000	0.81	0.00	0.00	0.8	0.000
0.100	0.000	0.99	0.00	0.00	1.0	0.000
0.117	0.000	1.17	0.00	0.01	1.2	0.000
0.133	0.000	1.35	0.00	0.01	1.3	0.000
0.150	0.000	1.53	0.00	0.01	1.5	0.000
0.167	0.000	1.70	0.00	0.01	1.7	0.000
0.183	0.000	1.73	0.00	0.01	1.7	0.000
0.200	0.000	1.73	0.00	0.01	1.7	0.000
0.217	0.000	1.73	0.00	0.01	1.7	0.000
0.233	0.000	1.73	0.00	0.01	1.7	0.000
0.250	0.000	1.73	0.00	0.01	1.7	0.000
0.267	0.000	1.74	0.00	0.01	1.7	0.000
0.283	0.000	1.74	0.00	0.01	1.7	0.000
0.300	0.000	1.74	0.00	0.01	1.7	0.000
0.317	0.000	1.74	0.00	0.01	1.7	0.000
0.333	0.000	1.74	0.00	0.01	1.7	0.000
0.350	0.000	1.74	0.00	0.01	1.7	0.000
0.367	0.000	1.74	0.00	0.01	1.7	0.000
0.383	0.000	1.74	0.00	0.01	1.7	0.000
0.400	0.000	1.74	0.00	0.01	1.7	0.000
0.417	0.000	1.74	0.00	0.01	1.7	0.000
0.433	0.000	1.74	0.00	0.01	1.7	0.000
0.450	0.000	1.74	0.00	0.01	1.7	0.000
0.467	0.000	1.74	0.00	0.01	1.7	0.000
0.483	0.000	1.74	0.00	0.01	1.7	0.000
0.500	0.000	1.74	0.00	0.01	1.7	0.000
0.517	0.000	1.75	0.00	0.01	1.7	0.000
0.533	0.000	1.75	0.00	0.01	1.7	0.000
0.550	0.000	1.75	0.00	0.01	1.7	0.000
0.567	0.000	1.75	0.00	0.01	1.7	0.000
0.583	0.000	1.75	0.00	0.01	1.8	0.000
0.600	0.000	1.75	0.00	0.01	1.8	0.000
0.617	0.000	1.75	0.00	0.01	1.8	0.000
0.633	0.000	1.75	0.00	0.01	1.8	0.000
0.650	0.000	1.75	0.00	0.01	1.8	0.000
0.667	0.000	1.76	0.00	0.01	1.8	0.000
0.683	0.000	1.76	0.00	0.01	1.8	0.000

0.700	0.000	1.76	0.00	0.01	1.8	0.000
0.717	0.000	1.76	0.00	0.01	1.8	0.000
0.733	0.000	1.76	0.00	0.01	1.8	0.000
0.750	0.000	1.76	0.00	0.01	1.8	0.000
0.767	0.000	1.76	0.00	0.01	1.8	0.000
0.783	0.000	1.76	0.00	0.01	1.8	0.000
0.800	0.000	1.76	0.00	0.01	1.8	0.000
0.817	0.000	1.76	0.00	0.01	1.8	0.000
0.833	0.000	1.76	0.00	0.01	1.8	0.000
0.850	0.000	1.76	0.00	0.01	1.8	0.000
0.867	0.000	1.76	0.00	0.01	1.8	0.000
0.883	0.000	1.76	0.00	0.01	1.8	0.000
0.900	0.000	1.77	0.00	0.01	1.8	0.000
0.917	0.000	1.77	0.00	0.01	1.8	0.000
0.933	0.000	1.77	0.00	0.01	1.8	0.000
0.950	0.000	1.77	0.00	0.01	1.8	0.000
0.967	0.000	1.77	0.00	0.01	1.8	0.000
0.983	0.000	1.77	0.00	0.01	1.8	0.000
1.000	0.000	1.77	0.00	0.01	1.8	0.000
1.017	0.000	1.77	0.00	0.01	1.8	0.000
1.033	0.000	1.77	0.00	0.01	1.8	0.000
1.050	0.000	1.77	0.00	0.01	1.8	0.000
1.067	0.000	1.77	0.00	0.01	1.8	0.000
1.083	0.000	1.78	0.00	0.01	1.8	0.000
1.100	0.000	1.78	0.00	0.01	1.8	0.000
1.117	0.000	1.78	0.00	0.01	1.8	0.000
1.133	0.000	1.78	0.00	0.01	1.8	0.000
1.150	0.000	1.78	0.00	0.01	1.8	0.000
1.167	0.000	1.78	0.00	0.01	1.8	0.000
1.183	0.000	1.78	0.00	0.01	1.8	0.000
1.200	0.000	1.78	0.00	0.01	1.8	0.000
1.217	0.000	1.78	0.00	0.01	1.8	0.000
1.233	0.000	1.78	0.00	0.01	1.8	0.000
1.250	0.000	1.78	0.00	0.01	1.8	0.000
1.267	0.000	1.79	0.00	0.01	1.8	0.000
1.283	0.000	1.79	0.00	0.01	1.8	0.000
1.300	0.000	1.79	0.00	0.01	1.8	0.000
1.317	0.000	1.79	0.00	0.01	1.8	0.000
1.333	0.000	1.79	0.00	0.01	1.8	0.000
1.350	0.000	1.79	0.00	0.01	1.8	0.000
1.367	0.000	1.79	0.00	0.01	1.8	0.000
1.383	0.000	1.79	0.00	0.01	1.8	0.000
1.400	0.000	1.79	0.00	0.01	1.8	0.000
1.417	0.000	1.79	0.00	0.01	1.8	0.000
1.433	0.000	1.79	0.00	0.01	1.8	0.000
1.450	0.000	1.79	0.00	0.01	1.8	0.000
1.467	0.000	1.79	0.00	0.01	1.8	0.000
1.483	0.000	1.79	0.00	0.01	1.8	0.000
1.500	0.000	1.80	0.00	0.01	1.8	0.000
1.517	0.000	1.80	0.00	0.01	1.8	0.000
1.533	0.000	1.80	0.00	0.01	1.8	0.000
1.550	0.000	1.80	0.00	0.01	1.8	0.000
1.567	0.000	1.80	0.00	0.01	1.8	0.000
1.583	0.000	1.80	0.00	0.01	1.8	0.000
1.600	0.000	1.80	0.00	0.01	1.8	0.000
1.617	0.000	1.80	0.00	0.01	1.8	0.000
1.633	0.000	1.81	0.00	0.01	1.8	0.000
1.650	0.000	1.81	0.00	0.01	1.8	0.000
1.667	0.000	1.81	0.00	0.01	1.8	0.000
1.683	0.000	1.81	0.00	0.01	1.8	0.000
1.700	0.000	1.81	0.00	0.01	1.8	0.000
1.717	0.000	1.81	0.00	0.01	1.8	0.000
1.733	0.000	1.81	0.00	0.01	1.8	0.000
1.750	0.000	1.81	0.00	0.01	1.8	0.000
1.767	0.000	1.81	0.00	0.01	1.8	0.000
1.783	0.000	1.81	0.00	0.01	1.8	0.000
1.800	0.000	1.81	0.00	0.01	1.8	0.000
1.817	0.000	1.81	0.00	0.01	1.8	0.000
1.833	0.000	1.81	0.00	0.01	1.8	0.000
1.850	0.000	1.82	0.00	0.01	1.8	0.000
1.867	0.000	1.82	0.00	0.01	1.8	0.000
1.883	0.000	1.82	0.00	0.01	1.8	0.000

1.900	0.000	1.82	0.00	0.01	1.8	0.000
1.917	0.000	1.82	0.00	0.01	1.8	0.000
1.933	0.000	1.82	0.00	0.01	1.8	0.000
1.950	0.000	1.82	0.00	0.01	1.8	0.000
1.967	0.000	1.82	0.00	0.01	1.8	0.000
1.983	0.000	1.82	0.00	0.01	1.8	0.000
2.000	0.000	1.83	0.00	0.01	1.8	0.000
2.017	0.000	1.83	0.00	0.01	1.8	0.000
2.033	0.000	1.83	0.00	0.01	1.8	0.000
2.050	0.000	1.83	0.00	0.01	1.8	0.000
2.067	0.000	1.83	0.00	0.01	1.8	0.000
2.083	0.000	1.83	0.00	0.01	1.8	0.000
2.100	0.000	1.83	0.00	0.01	1.8	0.000
2.117	0.000	1.83	0.00	0.01	1.8	0.000
2.133	0.000	1.83	0.00	0.01	1.8	0.000
2.150	0.000	1.83	0.00	0.01	1.8	0.000
2.167	0.000	1.83	0.00	0.01	1.8	0.000
2.183	0.000	1.83	0.00	0.01	1.8	0.000
2.200	0.000	1.84	0.00	0.01	1.8	0.000
2.217	0.000	1.84	0.00	0.01	1.8	0.000
2.233	0.000	1.84	0.00	0.01	1.8	0.000
2.250	0.000	1.84	0.00	0.01	1.8	0.000
2.267	0.000	1.84	0.00	0.01	1.8	0.000
2.283	0.000	1.84	0.00	0.01	1.8	0.000
2.300	0.000	1.84	0.00	0.01	1.8	0.000
2.317	0.000	1.84	0.00	0.01	1.8	0.000
2.333	0.000	1.84	0.00	0.01	1.8	0.000
2.350	0.000	1.85	0.00	0.01	1.8	0.000
2.367	0.000	1.85	0.00	0.01	1.8	0.000
2.383	0.000	1.85	0.00	0.01	1.8	0.000
2.400	0.000	1.85	0.00	0.01	1.8	0.000
2.417	0.000	1.85	0.00	0.01	1.8	0.000
2.433	0.000	1.85	0.00	0.01	1.8	0.000
2.450	0.000	1.85	0.00	0.01	1.8	0.000
2.467	0.000	1.85	0.00	0.01	1.8	0.000
2.483	0.000	1.85	0.00	0.01	1.9	0.000
2.500	0.000	1.85	0.00	0.01	1.9	0.000
2.517	0.000	1.85	0.00	0.01	1.9	0.000
2.533	0.000	1.85	0.00	0.01	1.9	0.000
2.550	0.000	1.86	0.00	0.01	1.9	0.000
2.567	0.000	1.86	0.00	0.01	1.9	0.000
2.583	0.000	1.86	0.00	0.01	1.9	0.000
2.600	0.000	1.86	0.00	0.01	1.9	0.000
2.617	0.000	1.86	0.00	0.01	1.9	0.000
2.633	0.000	1.86	0.00	0.01	1.9	0.000
2.650	0.000	1.86	0.00	0.01	1.9	0.000
2.667	0.000	1.86	0.00	0.01	1.9	0.000
2.683	0.000	1.87	0.00	0.01	1.9	0.000
2.700	0.000	1.87	0.00	0.01	1.9	0.000
2.717	0.000	1.87	0.00	0.01	1.9	0.000
2.733	0.000	1.87	0.00	0.01	1.9	0.000
2.750	0.000	1.87	0.00	0.01	1.9	0.000
2.767	0.000	1.87	0.00	0.01	1.9	0.000
2.783	0.000	1.87	0.00	0.01	1.9	0.000
2.800	0.000	1.87	0.00	0.01	1.9	0.000
2.817	0.000	1.87	0.00	0.01	1.9	0.000
2.833	0.000	1.87	0.00	0.01	1.9	0.000
2.850	0.000	1.87	0.00	0.01	1.9	0.000
2.867	0.000	1.87	0.00	0.01	1.9	0.000
2.883	0.000	1.88	0.00	0.01	1.9	0.000
2.900	0.000	1.88	0.00	0.01	1.9	0.000
2.917	0.000	1.88	0.00	0.01	1.9	0.000
2.933	0.000	1.88	0.00	0.01	1.9	0.000
2.950	0.000	1.88	0.00	0.01	1.9	0.000
2.967	0.000	1.88	0.00	0.01	1.9	0.000
2.983	0.000	1.88	0.00	0.01	1.9	0.000
3.000	0.000	1.88	0.00	0.01	1.9	0.000
3.017	0.000	1.89	0.00	0.01	1.9	0.000
3.033	0.000	1.89	0.00	0.01	1.9	0.000
3.050	0.000	1.89	0.00	0.01	1.9	0.000
3.067	0.000	1.89	0.00	0.01	1.9	0.000
3.083	0.000	1.89	0.00	0.01	1.9	0.000

3.100	0.000	1.89	0.00	0.01	1.9	0.000
3.117	0.000	1.89	0.00	0.01	1.9	0.000
3.133	0.000	1.89	0.00	0.01	1.9	0.000
3.150	0.000	1.89	0.00	0.01	1.9	0.000
3.167	0.000	1.89	0.00	0.01	1.9	0.000
3.183	0.000	1.89	0.00	0.01	1.9	0.000
3.200	0.000	1.90	0.00	0.01	1.9	0.000
3.217	0.000	1.90	0.00	0.01	1.9	0.000
3.233	0.000	1.90	0.00	0.01	1.9	0.000
3.250	0.000	1.90	0.00	0.01	1.9	0.000
3.267	0.000	1.90	0.00	0.01	1.9	0.000
3.283	0.000	1.90	0.00	0.01	1.9	0.000
3.300	0.000	1.90	0.00	0.01	1.9	0.000
3.317	0.000	1.91	0.00	0.01	1.9	0.000
3.333	0.000	1.91	0.00	0.01	1.9	0.000
3.350	0.000	1.91	0.00	0.01	1.9	0.000
3.367	0.000	1.91	0.00	0.01	1.9	0.000
3.383	0.000	1.91	0.00	0.01	1.9	0.000
3.400	0.000	1.91	0.00	0.01	1.9	0.000
3.417	0.000	1.91	0.00	0.01	1.9	0.000
3.433	0.000	1.91	0.00	0.01	1.9	0.000
3.450	0.000	1.91	0.00	0.01	1.9	0.000
3.467	0.000	1.91	0.00	0.01	1.9	0.000
3.483	0.000	1.91	0.00	0.01	1.9	0.000
3.500	0.000	1.91	0.00	0.01	1.9	0.000
3.517	0.000	1.92	0.00	0.01	1.9	0.000
3.533	0.000	1.92	0.00	0.01	1.9	0.000
3.550	0.000	1.92	0.00	0.01	1.9	0.000
3.567	0.000	1.92	0.00	0.01	1.9	0.000
3.583	0.000	1.92	0.00	0.01	1.9	0.000
3.600	0.000	1.92	0.00	0.01	1.9	0.000
3.617	0.000	1.92	0.00	0.01	1.9	0.000
3.633	0.000	1.93	0.00	0.01	1.9	0.000
3.650	0.000	1.93	0.00	0.01	1.9	0.000
3.667	0.000	1.93	0.00	0.01	1.9	0.000
3.683	0.000	1.93	0.00	0.01	1.9	0.000
3.700	0.000	1.93	0.00	0.01	1.9	0.000
3.717	0.000	1.93	0.00	0.01	1.9	0.000
3.733	0.000	1.93	0.00	0.01	1.9	0.000
3.750	0.000	1.93	0.00	0.01	1.9	0.000
3.767	0.000	1.93	0.00	0.01	1.9	0.000
3.783	0.000	1.93	0.00	0.01	1.9	0.000
3.800	0.000	1.93	0.00	0.01	1.9	0.000
3.817	0.000	1.94	0.00	0.01	1.9	0.000
3.833	0.000	1.94	0.00	0.01	1.9	0.000
3.850	0.000	1.94	0.00	0.01	1.9	0.000
3.867	0.000	1.94	0.00	0.01	1.9	0.000
3.883	0.000	1.94	0.00	0.01	1.9	0.000
3.900	0.000	1.94	0.00	0.01	1.9	0.000
3.917	0.000	1.94	0.00	0.01	1.9	0.000
3.933	0.000	1.95	0.00	0.01	1.9	0.000
3.950	0.000	1.95	0.00	0.01	1.9	0.000
3.967	0.000	1.95	0.00	0.01	1.9	0.000
3.983	0.000	1.95	0.00	0.01	1.9	0.000
4.000	0.000	1.95	0.00	0.01	2.0	0.000
4.017	0.000	1.95	0.00	0.01	2.0	0.000
4.033	0.000	1.95	0.00	0.01	2.0	0.000
4.050	0.000	1.95	0.00	0.01	2.0	0.000
4.067	0.000	1.95	0.00	0.01	2.0	0.000
4.083	0.000	1.95	0.00	0.01	2.0	0.000
4.100	0.000	1.96	0.00	0.01	2.0	0.000
4.117	0.000	1.96	0.00	0.01	2.0	0.000
4.133	0.000	1.96	0.00	0.01	2.0	0.000
4.150	0.000	1.96	0.00	0.01	2.0	0.000
4.167	0.000	1.96	0.00	0.01	2.0	0.000
4.183	0.000	1.96	0.00	0.01	2.0	0.000
4.200	0.000	1.96	0.00	0.01	2.0	0.000
4.217	0.000	1.97	0.00	0.01	2.0	0.000
4.233	0.000	1.97	0.00	0.01	2.0	0.000
4.250	0.000	1.97	0.00	0.01	2.0	0.000
4.267	0.000	1.97	0.00	0.01	2.0	0.000
4.283	0.000	1.97	0.00	0.01	2.0	0.000

4.300	0.000	1.97	0.00	0.01	2.0	0.000
4.317	0.000	1.97	0.00	0.01	2.0	0.000
4.333	0.000	1.97	0.00	0.01	2.0	0.000
4.350	0.000	1.98	0.00	0.01	2.0	0.000
4.367	0.000	1.98	0.00	0.01	2.0	0.000
4.383	0.000	1.98	0.00	0.01	2.0	0.000
4.400	0.000	1.98	0.00	0.01	2.0	0.000
4.417	0.000	1.98	0.00	0.01	2.0	0.000
4.433	0.000	1.98	0.00	0.01	2.0	0.000
4.450	0.000	1.98	0.00	0.01	2.0	0.000
4.467	0.000	1.98	0.00	0.01	2.0	0.000
4.483	0.000	1.98	0.00	0.01	2.0	0.000
4.500	0.000	1.98	0.00	0.01	2.0	0.000
4.517	0.000	1.99	0.00	0.01	2.0	0.000
4.533	0.000	1.99	0.00	0.01	2.0	0.000
4.550	0.000	1.99	0.00	0.01	2.0	0.000
4.567	0.000	1.99	0.00	0.01	2.0	0.000
4.583	0.000	1.99	0.00	0.01	2.0	0.000
4.600	0.000	1.99	0.00	0.01	2.0	0.000
4.617	0.000	2.00	0.00	0.01	2.0	0.000
4.633	0.000	2.00	0.00	0.01	2.0	0.000
4.650	0.000	2.00	0.00	0.01	2.0	0.000
4.667	0.000	2.00	0.00	0.01	2.0	0.000
4.683	0.000	2.00	0.00	0.01	2.0	0.000
4.700	0.000	2.00	0.00	0.01	2.0	0.000
4.717	0.000	2.00	0.00	0.01	2.0	0.000
4.733	0.000	2.00	0.00	0.01	2.0	0.000
4.750	0.000	2.00	0.00	0.01	2.0	0.000
4.767	0.000	2.00	0.00	0.01	2.0	0.000
4.783	0.000	2.01	0.00	0.01	2.0	0.000
4.800	0.000	2.01	0.00	0.01	2.0	0.000
4.817	0.000	2.01	0.00	0.01	2.0	0.000
4.833	0.000	2.01	0.00	0.01	2.0	0.000
4.850	0.000	2.01	0.00	0.01	2.0	0.000
4.867	0.000	2.01	0.00	0.01	2.0	0.000
4.883	0.000	2.02	0.00	0.01	2.0	0.000
4.900	0.000	2.02	0.00	0.01	2.0	0.000
4.917	0.000	2.02	0.00	0.01	2.0	0.000
4.933	0.000	2.02	0.00	0.01	2.0	0.000
4.950	0.000	2.02	0.00	0.01	2.0	0.000
4.967	0.000	2.02	0.00	0.01	2.0	0.000
4.983	0.000	2.02	0.00	0.01	2.0	0.000
5.000	0.000	2.03	0.00	0.01	2.0	0.000
5.017	0.000	2.03	0.00	0.01	2.0	0.000
5.033	0.000	2.03	0.00	0.01	2.0	0.000
5.050	0.000	2.03	0.00	0.01	2.0	0.000
5.067	0.000	2.03	0.00	0.01	2.0	0.000
5.083	0.000	2.03	0.00	0.01	2.0	0.000
5.100	0.000	2.03	0.00	0.01	2.0	0.000
5.117	0.000	2.03	0.00	0.01	2.0	0.000
5.133	0.000	2.03	0.00	0.01	2.0	0.000
5.150	0.000	2.03	0.00	0.01	2.0	0.000
5.167	0.000	2.04	0.00	0.01	2.0	0.000
5.183	0.000	2.04	0.00	0.01	2.0	0.000
5.200	0.000	2.04	0.00	0.01	2.0	0.000
5.217	0.000	2.04	0.00	0.01	2.0	0.000
5.233	0.000	2.04	0.00	0.01	2.0	0.000
5.250	0.000	2.05	0.00	0.01	2.0	0.000
5.267	0.000	2.05	0.00	0.01	2.0	0.000
5.283	0.000	2.05	0.00	0.01	2.0	0.000
5.300	0.000	2.05	0.00	0.01	2.1	0.000
5.317	0.000	2.05	0.00	0.01	2.1	0.000
5.333	0.000	2.05	0.00	0.01	2.1	0.000
5.350	0.000	2.05	0.00	0.01	2.1	0.000
5.367	0.000	2.05	0.00	0.01	2.1	0.000
5.383	0.000	2.05	0.00	0.01	2.1	0.000
5.400	0.000	2.06	0.00	0.01	2.1	0.000
5.417	0.000	2.06	0.00	0.01	2.1	0.000
5.433	0.000	2.06	0.00	0.01	2.1	0.000
5.450	0.000	2.06	0.00	0.01	2.1	0.000
5.467	0.000	2.06	0.00	0.01	2.1	0.000
5.483	0.000	2.06	0.00	0.01	2.1	0.000

5.500	0.000	2.06	0.00	0.01	2.1	0.000
5.517	0.000	2.07	0.00	0.01	2.1	0.000
5.533	0.000	2.07	0.00	0.01	2.1	0.000
5.550	0.000	2.07	0.00	0.01	2.1	0.000
5.567	0.000	2.07	0.00	0.01	2.1	0.000
5.583	0.000	2.07	0.00	0.01	2.1	0.000
5.600	0.000	2.08	0.00	0.01	2.1	0.000
5.617	0.000	2.08	0.00	0.01	2.1	0.000
5.633	0.000	2.08	0.00	0.01	2.1	0.000
5.650	0.000	2.08	0.00	0.01	2.1	0.000
5.667	0.000	2.08	0.00	0.01	2.1	0.000
5.683	0.000	2.08	0.00	0.01	2.1	0.000
5.700	0.000	2.08	0.00	0.01	2.1	0.000
5.717	0.000	2.08	0.00	0.01	2.1	0.000
5.733	0.000	2.08	0.00	0.01	2.1	0.000
5.750	0.000	2.08	0.00	0.01	2.1	0.000
5.767	0.000	2.09	0.00	0.01	2.1	0.000
5.783	0.000	2.09	0.00	0.01	2.1	0.000
5.800	0.000	2.09	0.00	0.01	2.1	0.000
5.817	0.000	2.09	0.00	0.01	2.1	0.000
5.833	0.000	2.09	0.00	0.01	2.1	0.000
5.850	0.000	2.10	0.00	0.01	2.1	0.000
5.867	0.000	2.10	0.00	0.01	2.1	0.000
5.883	0.000	2.10	0.00	0.01	2.1	0.000
5.900	0.000	2.10	0.00	0.01	2.1	0.000
5.917	0.000	2.10	0.00	0.01	2.1	0.000
5.933	0.000	2.10	0.00	0.01	2.1	0.000
5.950	0.000	2.11	0.00	0.01	2.1	0.000
5.967	0.000	2.11	0.00	0.01	2.1	0.000
5.983	0.000	2.11	0.00	0.01	2.1	0.000
6.000	0.000	2.11	0.00	0.01	2.1	0.000
6.017	0.000	2.11	0.00	0.01	2.1	0.000
6.033	0.000	2.11	0.00	0.01	2.1	0.000
6.050	0.000	2.11	0.00	0.01	2.1	0.000
6.067	0.000	2.11	0.00	0.01	2.1	0.000
6.083	0.000	2.11	0.00	0.01	2.1	0.000
6.100	0.000	2.12	0.00	0.01	2.1	0.000
6.117	0.000	2.12	0.00	0.01	2.1	0.000
6.133	0.000	2.12	0.00	0.01	2.1	0.000
6.150	0.000	2.12	0.00	0.01	2.1	0.000
6.167	0.000	2.12	0.00	0.01	2.1	0.000
6.183	0.000	2.13	0.00	0.01	2.1	0.000
6.200	0.000	2.13	0.00	0.01	2.1	0.000
6.217	0.000	2.13	0.00	0.01	2.1	0.000
6.233	0.000	2.13	0.00	0.01	2.1	0.000
6.250	0.000	2.13	0.00	0.01	2.1	0.000
6.267	0.000	2.14	0.00	0.01	2.1	0.000
6.283	0.000	2.14	0.00	0.01	2.1	0.000
6.300	0.000	2.14	0.00	0.01	2.1	0.000
6.317	0.000	2.14	0.00	0.01	2.1	0.000
6.333	0.000	2.14	0.00	0.01	2.1	0.000
6.350	0.000	2.14	0.00	0.01	2.1	0.000
6.367	0.000	2.14	0.00	0.01	2.1	0.000
6.383	0.000	2.14	0.00	0.01	2.1	0.000
6.400	0.000	2.14	0.00	0.01	2.1	0.000
6.417	0.000	2.15	0.00	0.01	2.1	0.000
6.433	0.000	2.15	0.00	0.01	2.1	0.000
6.450	0.000	2.15	0.00	0.01	2.1	0.000
6.467	0.000	2.15	0.00	0.01	2.2	0.000
6.483	0.000	2.15	0.00	0.01	2.2	0.000
6.500	0.000	2.16	0.00	0.01	2.2	0.000
6.517	0.000	2.16	0.00	0.01	2.2	0.000
6.533	0.000	2.16	0.00	0.01	2.2	0.000
6.550	0.000	2.16	0.00	0.01	2.2	0.000
6.567	0.000	2.16	0.00	0.01	2.2	0.000
6.583	0.000	2.17	0.00	0.01	2.2	0.000
6.600	0.000	2.17	0.00	0.01	2.2	0.000
6.617	0.000	2.17	0.00	0.01	2.2	0.000
6.633	0.000	2.17	0.00	0.01	2.2	0.000
6.650	0.000	2.17	0.00	0.01	2.2	0.000
6.667	0.000	2.17	0.00	0.01	2.2	0.000
6.683	0.000	2.17	0.00	0.01	2.2	0.000

6.700	0.000	2.17	0.00	0.01	2.2	0.000
6.717	0.000	2.18	0.00	0.01	2.2	0.000
6.733	0.000	2.18	0.00	0.01	2.2	0.000
6.750	0.000	2.18	0.00	0.01	2.2	0.000
6.767	0.000	2.18	0.00	0.01	2.2	0.000
6.783	0.000	2.18	0.00	0.01	2.2	0.000
6.800	0.000	2.18	0.00	0.01	2.2	0.000
6.817	0.000	2.19	0.00	0.01	2.2	0.000
6.833	0.000	2.19	0.00	0.01	2.2	0.000
6.850	0.000	2.19	0.00	0.01	2.2	0.000
6.867	0.000	2.19	0.00	0.01	2.2	0.000
6.883	0.000	2.20	0.00	0.01	2.2	0.000
6.900	0.000	2.20	0.00	0.01	2.2	0.000
6.917	0.000	2.20	0.00	0.01	2.2	0.000
6.933	0.000	2.20	0.00	0.01	2.2	0.000
6.950	0.000	2.20	0.00	0.01	2.2	0.000
6.967	0.000	2.20	0.00	0.01	2.2	0.000
6.983	0.000	2.21	0.00	0.01	2.2	0.000
7.000	0.000	2.21	0.00	0.01	2.2	0.000
7.017	0.000	2.21	0.00	0.01	2.2	0.000
7.033	0.000	2.21	0.00	0.01	2.2	0.000
7.050	0.000	2.21	0.00	0.01	2.2	0.000
7.067	0.000	2.21	0.00	0.01	2.2	0.000
7.083	0.000	2.21	0.00	0.01	2.2	0.000
7.100	0.000	2.21	0.00	0.01	2.2	0.000
7.117	0.000	2.22	0.00	0.01	2.2	0.000
7.133	0.000	2.22	0.00	0.01	2.2	0.000
7.150	0.000	2.22	0.00	0.01	2.2	0.000
7.167	0.000	2.22	0.00	0.01	2.2	0.000
7.183	0.000	2.23	0.00	0.01	2.2	0.000
7.200	0.000	2.23	0.00	0.01	2.2	0.000
7.217	0.000	2.23	0.00	0.01	2.2	0.000
7.233	0.000	2.23	0.00	0.01	2.2	0.000
7.250	0.000	2.24	0.00	0.01	2.2	0.000
7.267	0.000	2.24	0.00	0.01	2.2	0.000
7.283	0.000	2.24	0.00	0.01	2.2	0.000
7.300	0.000	2.24	0.00	0.01	2.2	0.000
7.317	0.000	2.24	0.00	0.01	2.2	0.000
7.333	0.000	2.24	0.00	0.01	2.2	0.000
7.350	0.000	2.24	0.00	0.01	2.2	0.000
7.367	0.000	2.25	0.00	0.01	2.2	0.000
7.383	0.000	2.25	0.00	0.01	2.2	0.000
7.400	0.000	2.25	0.00	0.01	2.2	0.000
7.417	0.000	2.25	0.00	0.01	2.2	0.000
7.433	0.000	2.25	0.00	0.01	2.3	0.000
7.450	0.000	2.25	0.00	0.01	2.3	0.000
7.467	0.000	2.26	0.00	0.01	2.3	0.000
7.483	0.000	2.26	0.00	0.01	2.3	0.000
7.500	0.000	2.26	0.00	0.01	2.3	0.000
7.517	0.000	2.26	0.00	0.01	2.3	0.000
7.533	0.000	2.27	0.00	0.01	2.3	0.000
7.550	0.000	2.27	0.00	0.01	2.3	0.000
7.567	0.000	2.27	0.00	0.01	2.3	0.000
7.583	0.000	2.27	0.00	0.01	2.3	0.000
7.600	0.000	2.28	0.00	0.01	2.3	0.000
7.617	0.000	2.28	0.00	0.01	2.3	0.000
7.633	0.000	2.28	0.00	0.01	2.3	0.000
7.650	0.000	2.28	0.00	0.01	2.3	0.000
7.667	0.000	2.28	0.00	0.01	2.3	0.000
7.683	0.000	2.28	0.00	0.01	2.3	0.000
7.700	0.000	2.28	0.00	0.01	2.3	0.000
7.717	0.000	2.28	0.00	0.01	2.3	0.000
7.733	0.000	2.29	0.00	0.01	2.3	0.000
7.750	0.000	2.29	0.00	0.01	2.3	0.000
7.767	0.000	2.29	0.00	0.01	2.3	0.000
7.783	0.000	2.29	0.00	0.01	2.3	0.000
7.800	0.000	2.29	0.00	0.01	2.3	0.000
7.817	0.000	2.30	0.00	0.01	2.3	0.000
7.833	0.000	2.30	0.00	0.01	2.3	0.000
7.850	0.000	2.30	0.00	0.01	2.3	0.000
7.867	0.000	2.31	0.00	0.01	2.3	0.000
7.883	0.000	2.31	0.00	0.01	2.3	0.000

7.900	0.000	2.31	0.00	0.01	2.3	0.000
7.917	0.000	2.31	0.00	0.01	2.3	0.000
7.933	0.000	2.32	0.00	0.01	2.3	0.000
7.950	0.000	2.32	0.00	0.01	2.3	0.000
7.967	0.000	2.32	0.00	0.01	2.3	0.000
7.983	0.000	2.32	0.00	0.01	2.3	0.000
8.000	0.000	2.32	0.00	0.01	2.3	0.000
8.017	0.000	2.32	0.00	0.01	2.3	0.000
8.033	0.000	2.32	0.00	0.01	2.3	0.000
8.050	0.000	2.32	0.00	0.01	2.3	0.000
8.067	0.000	2.33	0.00	0.01	2.3	0.000
8.083	0.000	2.33	0.00	0.01	2.3	0.000
8.100	0.000	2.33	0.00	0.01	2.3	0.000
8.117	0.000	2.33	0.00	0.01	2.3	0.000
8.133	0.000	2.34	0.00	0.01	2.3	0.000
8.150	0.000	2.34	0.00	0.01	2.3	0.000
8.167	0.000	2.34	0.00	0.01	2.3	0.000
8.183	0.000	2.34	0.00	0.01	2.3	0.000
8.200	0.000	2.35	0.00	0.01	2.3	0.000
8.217	0.000	2.35	0.00	0.01	2.3	0.000
8.233	0.000	2.35	0.00	0.01	2.4	0.000
8.250	0.000	2.36	0.00	0.01	2.4	0.000
8.267	0.000	2.36	0.00	0.01	2.4	0.000
8.283	0.000	2.36	0.00	0.01	2.4	0.000
8.300	0.000	2.36	0.00	0.01	2.4	0.000
8.317	0.000	2.36	0.00	0.01	2.4	0.000
8.333	0.000	2.36	0.00	0.01	2.4	0.000
8.350	0.000	2.36	0.00	0.01	2.4	0.000
8.367	0.000	2.37	0.00	0.01	2.4	0.000
8.383	0.000	2.37	0.00	0.01	2.4	0.000
8.400	0.000	2.37	0.00	0.01	2.4	0.000
8.417	0.000	2.37	0.00	0.01	2.4	0.000
8.433	0.000	2.37	0.00	0.01	2.4	0.000
8.450	0.000	2.38	0.00	0.01	2.4	0.000
8.467	0.000	2.38	0.00	0.01	2.4	0.000
8.483	0.000	2.38	0.00	0.01	2.4	0.000
8.500	0.000	2.39	0.00	0.01	2.4	0.000
8.517	0.000	2.39	0.00	0.01	2.4	0.000
8.533	0.000	2.39	0.00	0.01	2.4	0.000
8.550	0.000	2.39	0.00	0.01	2.4	0.000
8.567	0.000	2.40	0.00	0.01	2.4	0.000
8.583	0.000	2.40	0.00	0.01	2.4	0.000
8.600	0.000	2.40	0.00	0.01	2.4	0.000
8.617	0.000	2.40	0.00	0.01	2.4	0.000
8.633	0.000	2.41	0.00	0.01	2.4	0.000
8.650	0.000	2.41	0.00	0.01	2.4	0.000
8.667	0.000	2.41	0.00	0.01	2.4	0.000
8.683	0.000	2.41	0.00	0.01	2.4	0.000
8.700	0.000	2.41	0.00	0.01	2.4	0.000
8.717	0.000	2.41	0.00	0.01	2.4	0.000
8.733	0.000	2.41	0.00	0.01	2.4	0.000
8.750	0.000	2.42	0.00	0.01	2.4	0.000
8.767	0.000	2.42	0.00	0.01	2.4	0.000
8.783	0.000	2.42	0.00	0.01	2.4	0.000
8.800	0.000	2.43	0.00	0.01	2.4	0.000
8.817	0.000	2.43	0.00	0.01	2.4	0.000
8.833	0.000	2.43	0.00	0.01	2.4	0.000
8.850	0.000	2.44	0.00	0.01	2.4	0.000
8.867	0.000	2.44	0.00	0.01	2.4	0.000
8.883	0.000	2.44	0.00	0.01	2.4	0.000
8.900	0.000	2.45	0.00	0.01	2.4	0.000
8.917	0.000	2.45	0.00	0.01	2.4	0.000
8.933	0.000	2.45	0.00	0.01	2.4	0.000
8.950	0.000	2.45	0.00	0.01	2.5	0.000
8.967	0.000	2.45	0.00	0.01	2.5	0.000
8.983	0.000	2.45	0.00	0.01	2.5	0.000
9.000	0.000	2.46	0.00	0.01	2.5	0.000
9.017	0.000	2.46	0.00	0.01	2.5	0.000
9.033	0.000	2.46	0.00	0.01	2.5	0.000
9.050	0.000	2.46	0.00	0.01	2.5	0.000
9.067	0.000	2.46	0.00	0.01	2.5	0.000
9.083	0.000	2.47	0.00	0.01	2.5	0.000

9.100	0.000	2.47	0.00	0.01	2.5	0.000
9.117	0.000	2.47	0.00	0.01	2.5	0.000
9.133	0.000	2.48	0.00	0.01	2.5	0.000
9.150	0.000	2.48	0.00	0.01	2.5	0.000
9.167	0.000	2.48	0.00	0.01	2.5	0.000
9.183	0.000	2.49	0.00	0.01	2.5	0.000
9.200	0.000	2.49	0.00	0.01	2.5	0.000
9.217	0.000	2.49	0.00	0.01	2.5	0.000
9.233	0.000	2.50	0.00	0.01	2.5	0.000
9.250	0.000	2.50	0.00	0.01	2.5	0.000
9.267	0.000	2.50	0.00	0.01	2.5	0.000
9.283	0.000	2.50	0.00	0.01	2.5	0.000
9.300	0.000	2.50	0.00	0.01	2.5	0.000
9.317	0.000	2.51	0.00	0.01	2.5	0.000
9.333	0.000	2.51	0.00	0.01	2.5	0.000
9.350	0.000	2.51	0.00	0.01	2.5	0.000
9.367	0.000	2.51	0.00	0.01	2.5	0.000
9.383	0.000	2.51	0.00	0.01	2.5	0.000
9.400	0.000	2.52	0.00	0.01	2.5	0.000
9.417	0.000	2.52	0.00	0.01	2.5	0.000
9.433	0.000	2.52	0.00	0.01	2.5	0.000
9.450	0.000	2.53	0.00	0.01	2.5	0.000
9.467	0.000	2.53	0.00	0.01	2.5	0.000
9.483	0.000	2.53	0.00	0.01	2.5	0.000
9.500	0.000	2.54	0.00	0.01	2.5	0.000
9.517	0.000	2.54	0.00	0.01	2.5	0.000
9.533	0.000	2.54	0.00	0.01	2.5	0.000
9.550	0.000	2.55	0.00	0.01	2.5	0.000
9.567	0.000	2.55	0.00	0.01	2.6	0.000
9.583	0.000	2.55	0.00	0.01	2.6	0.000
9.600	0.000	2.56	0.00	0.01	2.6	0.000
9.617	0.000	2.56	0.00	0.01	2.6	0.000
9.633	0.000	2.56	0.00	0.01	2.6	0.000
9.650	0.000	2.56	0.00	0.01	2.6	0.000
9.667	0.000	2.56	0.00	0.01	2.6	0.000
9.683	0.000	2.56	0.00	0.01	2.6	0.000
9.700	0.000	2.57	0.00	0.01	2.6	0.000
9.717	0.000	2.57	0.00	0.01	2.6	0.000
9.733	0.000	2.57	0.00	0.01	2.6	0.000
9.750	0.000	2.57	0.00	0.01	2.6	0.000
9.767	0.000	2.58	0.00	0.01	2.6	0.000
9.783	0.000	2.58	0.00	0.01	2.6	0.000
9.800	0.000	2.59	0.00	0.01	2.6	0.000
9.817	0.000	2.59	0.00	0.01	2.6	0.000
9.833	0.000	2.59	0.00	0.01	2.6	0.000
9.850	0.000	2.60	0.00	0.01	2.6	0.000
9.867	0.000	2.60	0.00	0.01	2.6	0.000
9.883	0.000	2.61	0.00	0.01	2.6	0.000
9.900	0.000	2.61	0.00	0.01	2.6	0.000
9.917	0.000	2.61	0.00	0.01	2.6	0.000
9.933	0.000	2.61	0.00	0.01	2.6	0.000
9.950	0.000	2.62	0.00	0.01	2.6	0.000
9.967	0.000	2.62	0.00	0.01	2.6	0.000
9.983	0.000	2.62	0.00	0.01	2.6	0.000
10.000	0.000	2.62	0.00	0.01	2.6	0.000
10.017	0.000	2.62	0.00	0.01	2.6	0.000
10.033	0.000	2.63	0.00	0.01	2.6	0.000
10.050	0.000	2.63	0.00	0.01	2.6	0.000
10.067	0.000	2.63	0.00	0.01	2.6	0.000
10.083	0.000	2.63	0.00	0.01	2.6	0.000
10.100	0.000	2.64	0.00	0.01	2.6	0.000
10.117	0.000	2.64	0.00	0.01	2.6	0.000
10.133	0.000	2.65	0.00	0.01	2.6	0.000
10.150	0.000	2.65	0.00	0.01	2.7	0.000
10.167	0.000	2.66	0.00	0.01	2.7	0.000
10.183	0.000	2.66	0.00	0.01	2.7	0.000
10.200	0.000	2.66	0.00	0.01	2.7	0.000
10.217	0.000	2.67	0.00	0.01	2.7	0.000
10.233	0.000	2.67	0.00	0.01	2.7	0.000
10.250	0.000	2.68	0.00	0.01	2.7	0.000
10.267	0.000	2.68	0.00	0.01	2.7	0.000
10.283	0.000	2.68	0.00	0.01	2.7	0.000

10.300	0.000	2.68	0.00	0.01	2.7	0.000
10.317	0.000	2.68	0.00	0.01	2.7	0.000
10.333	0.000	2.69	0.00	0.01	2.7	0.000
10.350	0.000	2.69	0.00	0.01	2.7	0.000
10.367	0.000	2.69	0.00	0.01	2.7	0.000
10.383	0.000	2.69	0.00	0.01	2.7	0.000
10.400	0.000	2.70	0.00	0.01	2.7	0.000
10.417	0.000	2.70	0.00	0.01	2.7	0.000
10.433	0.000	2.71	0.00	0.01	2.7	0.000
10.450	0.000	2.71	0.00	0.01	2.7	0.000
10.467	0.000	2.71	0.00	0.01	2.7	0.000
10.483	0.000	2.72	0.00	0.01	2.7	0.000
10.500	0.000	2.72	0.00	0.01	2.7	0.000
10.517	0.000	2.73	0.00	0.01	2.7	0.000
10.533	0.000	2.73	0.00	0.01	2.7	0.000
10.550	0.000	2.74	0.00	0.01	2.7	0.000
10.567	0.000	2.74	0.00	0.01	2.7	0.000
10.583	0.000	2.74	0.00	0.01	2.7	0.000
10.600	0.000	2.75	0.00	0.01	2.7	0.000
10.617	0.000	2.75	0.00	0.01	2.7	0.000
10.633	0.000	2.75	0.00	0.01	2.8	0.000
10.650	0.000	2.75	0.00	0.01	2.8	0.000
10.667	0.000	2.76	0.00	0.01	2.8	0.000
10.683	0.000	2.76	0.00	0.01	2.8	0.000
10.700	0.000	2.76	0.00	0.01	2.8	0.000
10.717	0.000	2.76	0.00	0.01	2.8	0.000
10.733	0.000	2.77	0.00	0.01	2.8	0.000
10.750	0.000	2.77	0.00	0.01	2.8	0.000
10.767	0.000	2.78	0.00	0.01	2.8	0.000
10.783	0.000	2.78	0.00	0.01	2.8	0.000
10.800	0.000	2.79	0.00	0.01	2.8	0.000
10.817	0.000	2.79	0.00	0.01	2.8	0.000
10.833	0.000	2.80	0.00	0.01	2.8	0.000
10.850	0.000	2.80	0.00	0.01	2.8	0.000
10.867	0.000	2.81	0.00	0.01	2.8	0.000
10.883	0.000	2.81	0.00	0.01	2.8	0.000
10.900	0.000	2.82	0.00	0.01	2.8	0.000
10.917	0.000	2.82	0.00	0.01	2.8	0.000
10.933	0.000	2.82	0.00	0.01	2.8	0.000
10.950	0.000	2.82	0.00	0.01	2.8	0.000
10.967	0.000	2.83	0.00	0.01	2.8	0.000
10.983	0.000	2.83	0.00	0.01	2.8	0.000
11.000	0.000	2.83	0.00	0.01	2.8	0.000
11.017	0.000	2.84	0.00	0.01	2.8	0.000
11.033	0.000	2.84	0.00	0.01	2.8	0.000
11.050	0.000	2.84	0.00	0.01	2.8	0.000
11.067	0.000	2.84	0.00	0.01	2.8	0.000
11.083	0.000	2.85	0.00	0.01	2.8	0.000
11.100	0.000	2.86	0.00	0.01	2.9	0.000
11.117	0.000	2.86	0.00	0.01	2.9	0.000
11.133	0.000	2.87	0.00	0.01	2.9	0.000
11.150	0.000	2.87	0.00	0.01	2.9	0.000
11.167	0.000	2.88	0.00	0.01	2.9	0.000
11.183	0.000	2.88	0.00	0.01	2.9	0.000
11.200	0.000	2.89	0.00	0.01	2.9	0.000
11.217	0.000	2.89	0.00	0.01	2.9	0.000
11.233	0.000	2.90	0.00	0.01	2.9	0.000
11.250	0.000	2.90	0.00	0.01	2.9	0.000
11.267	0.000	2.90	0.00	0.01	2.9	0.000
11.283	0.000	2.91	0.00	0.01	2.9	0.000
11.300	0.000	2.91	0.00	0.01	2.9	0.000
11.317	0.000	2.91	0.00	0.01	2.9	0.000
11.333	0.000	2.92	0.00	0.01	2.9	0.000
11.350	0.000	2.92	0.00	0.01	2.9	0.000
11.367	0.000	2.92	0.00	0.01	2.9	0.000
11.383	0.000	2.92	0.00	0.01	2.9	0.000
11.400	0.000	2.93	0.00	0.01	2.9	0.000
11.417	0.000	2.94	0.00	0.01	2.9	0.000
11.433	0.000	2.94	0.00	0.01	2.9	0.000
11.450	0.000	2.95	0.00	0.01	2.9	0.000
11.467	0.000	2.95	0.00	0.01	3.0	0.000
11.483	0.000	2.96	0.00	0.01	3.0	0.000

11.500	0.000	2.97	0.00	0.01	3.0	0.000
11.517	0.000	2.97	0.00	0.01	3.0	0.000
11.533	0.000	2.98	0.00	0.01	3.0	0.000
11.550	0.000	2.98	0.00	0.01	3.0	0.000
11.567	0.000	2.99	0.00	0.01	3.0	0.000
11.583	0.000	2.99	0.00	0.01	3.0	0.000
11.600	0.000	3.00	0.00	0.01	3.0	0.000
11.617	0.000	3.00	0.00	0.01	3.0	0.000
11.633	0.000	3.00	0.00	0.01	3.0	0.000
11.650	0.000	3.00	0.00	0.01	3.0	0.000
11.667	0.000	3.01	0.00	0.01	3.0	0.000
11.683	0.000	3.01	0.00	0.01	3.0	0.000
11.700	0.000	3.01	0.00	0.01	3.0	0.000
11.717	0.000	3.02	0.00	0.01	3.0	0.000
11.733	0.000	3.02	0.00	0.01	3.0	0.000
11.750	0.000	3.03	0.00	0.01	3.0	0.000
11.767	0.000	3.04	0.00	0.01	3.0	0.000
11.783	0.000	3.04	0.00	0.01	3.0	0.000
11.800	0.000	3.05	0.00	0.01	3.1	0.000
11.817	0.000	3.06	0.00	0.01	3.1	0.000
11.833	0.000	3.06	0.00	0.01	3.1	0.000
11.850	0.000	3.07	0.00	0.01	3.1	0.000
11.867	0.000	3.08	0.00	0.01	3.1	0.000
11.883	0.000	3.09	0.00	0.01	3.1	0.000
11.900	0.000	3.09	0.00	0.01	3.1	0.000
11.917	0.000	3.09	0.00	0.01	3.1	0.000
11.933	0.000	3.10	0.00	0.01	3.1	0.000
11.950	0.000	3.10	0.00	0.01	3.1	0.000
11.967	0.000	3.10	0.00	0.01	3.1	0.000
11.983	0.000	3.11	0.00	0.01	3.1	0.000
12.000	0.000	3.11	0.00	0.01	3.1	0.000
12.017	0.000	3.11	0.00	0.01	3.1	0.000
12.033	0.000	3.12	0.00	0.01	3.1	0.000
12.050	0.000	3.12	0.00	0.01	3.1	0.000
12.067	0.000	3.14	0.00	0.01	3.1	0.000
12.083	0.000	3.16	0.00	0.01	3.2	0.000
12.100	0.000	3.18	0.00	0.01	3.2	0.000
12.117	0.000	3.20	0.00	0.01	3.2	0.000
12.133	0.000	3.22	0.00	0.01	3.2	0.000
12.150	0.000	3.24	0.00	0.01	3.2	0.000
12.167	0.000	3.26	0.00	0.01	3.3	0.000
12.183	0.000	3.28	0.00	0.01	3.3	0.000
12.200	0.000	3.30	0.00	0.01	3.3	0.000
12.217	0.000	3.31	0.00	0.01	3.3	0.000
12.233	0.000	3.32	0.00	0.01	3.3	0.000
12.250	0.000	3.32	0.00	0.01	3.3	0.000
12.267	0.000	3.32	0.00	0.01	3.3	0.000
12.283	0.000	3.33	0.00	0.01	3.3	0.000
12.300	0.000	3.33	0.00	0.01	3.3	0.000
12.317	0.000	3.34	0.00	0.01	3.3	0.000
12.333	0.000	3.34	0.00	0.01	3.3	0.000
12.350	0.000	3.34	0.00	0.01	3.3	0.000
12.367	0.000	3.35	0.00	0.01	3.3	0.000
12.383	0.000	3.35	0.00	0.01	3.4	0.000
12.400	0.000	3.36	0.00	0.01	3.4	0.000
12.417	0.000	3.37	0.00	0.01	3.4	0.000
12.433	0.000	3.38	0.00	0.01	3.4	0.000
12.450	0.000	3.39	0.00	0.01	3.4	0.000
12.467	0.000	3.40	0.00	0.01	3.4	0.000
12.483	0.000	3.40	0.00	0.01	3.4	0.000
12.500	0.000	3.41	0.00	0.01	3.4	0.000
12.517	0.000	3.42	0.00	0.01	3.4	0.000
12.533	0.000	3.43	0.00	0.02	3.4	0.000
12.550	0.000	3.44	0.00	0.02	3.4	0.000
12.567	0.000	3.44	0.00	0.02	3.4	0.000
12.583	0.000	3.45	0.00	0.02	3.4	0.000
12.600	0.000	3.45	0.00	0.02	3.5	0.000
12.617	0.000	3.45	0.00	0.02	3.5	0.000
12.633	0.000	3.46	0.00	0.02	3.5	0.000
12.650	0.000	3.46	0.00	0.02	3.5	0.000
12.667	0.000	3.47	0.00	0.02	3.5	0.000
12.683	0.000	3.47	0.00	0.02	3.5	0.000

12.700	0.000	3.48	0.00	0.02	3.5	0.000
12.717	0.000	3.48	0.00	0.02	3.5	0.000
12.733	0.000	3.49	0.00	0.02	3.5	0.000
12.750	0.000	3.50	0.00	0.02	3.5	0.000
12.767	0.000	3.51	0.00	0.02	3.5	0.000
12.783	0.000	3.52	0.00	0.02	3.5	0.000
12.800	0.000	3.53	0.00	0.02	3.5	0.000
12.817	0.000	3.54	0.00	0.02	3.5	0.000
12.833	0.000	3.55	0.00	0.02	3.6	0.000
12.850	0.000	3.56	0.00	0.02	3.6	0.000
12.867	0.000	3.57	0.00	0.02	3.6	0.000
12.883	0.000	3.58	0.00	0.02	3.6	0.000
12.900	0.000	3.58	0.00	0.02	3.6	0.000
12.917	0.000	3.59	0.00	0.02	3.6	0.000
12.933	0.000	3.59	0.00	0.02	3.6	0.000
12.950	0.000	3.60	0.00	0.02	3.6	0.000
12.967	0.000	3.61	0.00	0.02	3.6	0.000
12.983	0.000	3.61	0.00	0.02	3.6	0.000
13.000	0.000	3.62	0.00	0.02	3.6	0.000
13.017	0.000	3.62	0.00	0.02	3.6	0.000
13.033	0.000	3.63	0.00	0.02	3.6	0.000
13.050	0.000	3.64	0.00	0.02	3.6	0.000
13.067	0.000	3.65	0.00	0.02	3.6	0.000
13.083	0.000	3.66	0.00	0.02	3.7	0.000
13.100	0.000	3.67	0.00	0.02	3.7	0.000
13.117	0.000	3.68	0.00	0.02	3.7	0.000
13.133	0.000	3.69	0.00	0.02	3.7	0.000
13.150	0.000	3.70	0.00	0.02	3.7	0.000
13.167	0.000	3.71	0.00	0.02	3.7	0.000
13.183	0.000	3.73	0.00	0.02	3.7	0.000
13.200	0.000	3.74	0.00	0.02	3.7	0.000
13.217	0.000	3.74	0.00	0.02	3.7	0.000
13.233	0.000	3.75	0.00	0.02	3.7	0.000
13.250	0.000	3.76	0.00	0.02	3.8	0.000
13.267	0.000	3.76	0.00	0.02	3.8	0.000
13.283	0.000	3.77	0.00	0.02	3.8	0.000
13.300	0.000	3.77	0.00	0.02	3.8	0.000
13.317	0.000	3.78	0.00	0.02	3.8	0.000
13.333	0.000	3.79	0.00	0.02	3.8	0.000
13.350	0.000	3.79	0.00	0.02	3.8	0.000
13.367	0.000	3.80	0.00	0.02	3.8	0.000
13.383	0.000	3.81	0.00	0.02	3.8	0.000
13.400	0.000	3.82	0.00	0.02	3.8	0.000
13.417	0.000	3.84	0.00	0.02	3.8	0.000
13.433	0.000	3.85	0.00	0.02	3.9	0.000
13.450	0.000	3.86	0.00	0.02	3.9	0.000
13.467	0.000	3.88	0.00	0.02	3.9	0.000
13.483	0.000	3.89	0.00	0.02	3.9	0.000
13.500	0.000	3.90	0.00	0.02	3.9	0.000
13.517	0.000	3.92	0.00	0.02	3.9	0.000
13.533	0.000	3.93	0.00	0.02	3.9	0.000
13.550	0.000	3.94	0.00	0.02	3.9	0.000
13.567	0.000	3.94	0.00	0.02	3.9	0.000
13.583	0.000	3.95	0.00	0.02	4.0	0.000
13.600	0.000	3.96	0.00	0.02	4.0	0.000
13.617	0.000	3.97	0.00	0.02	4.0	0.000
13.633	0.000	3.97	0.00	0.02	4.0	0.000
13.650	0.000	3.98	0.00	0.02	4.0	0.000
13.667	0.000	3.99	0.00	0.02	4.0	0.000
13.683	0.000	3.99	0.00	0.02	4.0	0.000
13.700	0.000	4.00	0.00	0.02	4.0	0.000
13.717	0.000	4.02	0.00	0.02	4.0	0.000
13.733	0.000	4.03	0.00	0.02	4.0	0.000
13.750	0.000	4.05	0.00	0.02	4.1	0.000
13.767	0.000	4.07	0.00	0.02	4.1	0.000
13.783	0.000	4.08	0.00	0.02	4.1	0.000
13.800	0.000	4.10	0.00	0.02	4.1	0.000
13.817	0.000	4.11	0.00	0.02	4.1	0.000
13.833	0.000	4.13	0.00	0.02	4.1	0.000
13.850	0.000	4.15	0.00	0.02	4.1	0.000
13.867	0.000	4.16	0.00	0.02	4.2	0.000
13.883	0.000	4.17	0.00	0.02	4.2	0.000

13.900	0.000	4.18	0.00	0.02	4.2	0.000
13.917	0.000	4.19	0.00	0.02	4.2	0.000
13.933	0.000	4.20	0.00	0.02	4.2	0.000
13.950	0.000	4.20	0.00	0.02	4.2	0.000
13.967	0.000	4.21	0.00	0.02	4.2	0.000
13.983	0.000	4.22	0.00	0.02	4.2	0.000
14.000	0.000	4.23	0.00	0.02	4.2	0.000
14.017	0.000	4.24	0.00	0.02	4.2	0.000
14.033	0.000	4.24	0.00	0.02	4.2	0.000
14.050	0.000	4.22	0.00	0.02	4.2	0.000
14.067	0.000	4.19	0.00	0.02	4.2	0.000
14.083	0.000	4.17	0.00	0.02	4.2	0.000
14.100	0.000	4.15	0.00	0.02	4.1	0.000
14.117	0.000	4.12	0.00	0.02	4.1	0.000
14.133	0.000	4.10	0.00	0.02	4.1	0.000
14.150	0.000	4.08	0.00	0.02	4.1	0.000
14.167	0.000	4.05	0.00	0.02	4.1	0.000
14.183	0.000	4.03	0.00	0.02	4.0	0.000
14.200	0.000	4.02	0.00	0.02	4.0	0.000
14.217	0.000	4.03	0.00	0.02	4.0	0.000
14.233	0.000	4.04	0.00	0.02	4.0	0.000
14.250	0.000	4.05	0.00	0.02	4.1	0.000
14.267	0.000	4.07	0.00	0.02	4.1	0.000
14.283	0.000	4.08	0.00	0.02	4.1	0.000
14.300	0.000	4.09	0.00	0.02	4.1	0.000
14.317	0.000	4.10	0.00	0.02	4.1	0.000
14.333	0.000	4.11	0.00	0.02	4.1	0.000
14.350	0.000	4.12	0.00	0.02	4.1	0.000
14.367	0.000	4.14	0.00	0.02	4.1	0.000
14.383	0.000	4.17	0.00	0.02	4.2	0.000
14.400	0.000	4.19	0.00	0.02	4.2	0.000
14.417	0.000	4.22	0.00	0.02	4.2	0.000
14.433	0.000	4.25	0.00	0.02	4.2	0.000
14.450	0.000	4.27	0.00	0.02	4.3	0.000
14.467	0.000	4.30	0.00	0.02	4.3	0.000
14.483	0.000	4.33	0.00	0.02	4.3	0.000
14.500	0.000	4.35	0.00	0.02	4.4	0.000
14.517	0.000	4.38	0.00	0.02	4.4	0.000
14.533	0.000	4.40	0.00	0.02	4.4	0.000
14.550	0.000	4.41	0.00	0.02	4.4	0.000
14.567	0.000	4.43	0.00	0.02	4.4	0.000
14.583	0.000	4.44	0.00	0.02	4.4	0.000
14.600	0.000	4.46	0.00	0.02	4.5	0.000
14.617	0.000	4.47	0.00	0.02	4.5	0.000
14.633	0.000	4.49	0.00	0.02	4.5	0.000
14.650	0.000	4.50	0.00	0.02	4.5	0.000
14.667	0.000	4.52	0.00	0.02	4.5	0.000
14.683	0.000	4.54	0.00	0.02	4.5	0.000
14.700	0.000	4.57	0.00	0.02	4.6	0.000
14.717	0.000	4.60	0.00	0.02	4.6	0.000
14.733	0.000	4.64	0.00	0.02	4.6	0.000
14.750	0.000	4.67	0.00	0.02	4.7	0.000
14.767	0.000	4.71	0.00	0.02	4.7	0.000
14.783	0.000	4.75	0.00	0.02	4.7	0.000
14.800	0.000	4.78	0.00	0.02	4.8	0.000
14.817	0.000	4.82	0.00	0.02	4.8	0.000
14.833	0.000	4.85	0.00	0.02	4.9	0.000
14.850	0.000	4.89	0.00	0.02	4.9	0.000
14.867	0.000	4.91	0.00	0.02	4.9	0.000
14.883	0.000	4.94	0.00	0.02	4.9	0.000
14.900	0.000	4.96	0.00	0.02	5.0	0.000
14.917	0.000	4.98	0.00	0.02	5.0	0.000
14.933	0.000	5.00	0.00	0.02	5.0	0.000
14.950	0.000	5.02	0.00	0.02	5.0	0.000
14.967	0.000	5.05	0.00	0.02	5.0	0.000
14.983	0.000	5.07	0.00	0.02	5.1	0.000
15.000	0.000	5.09	0.00	0.02	5.1	0.000
15.017	0.000	5.11	0.00	0.02	5.1	0.000
15.033	0.000	5.17	0.00	0.02	5.2	0.000
15.050	0.000	5.23	0.00	0.02	5.2	0.000
15.067	0.000	5.29	0.00	0.02	5.3	0.000
15.083	0.000	5.35	0.00	0.02	5.3	0.000

15.100	0.000	5.41	0.00	0.02	5.4	0.000
15.117	0.000	5.47	0.00	0.02	5.5	0.000
15.133	0.000	5.53	0.00	0.02	5.5	0.000
15.150	0.000	5.59	0.00	0.02	5.6	0.000
15.167	0.000	5.65	0.00	0.02	5.6	0.000
15.183	0.000	5.70	0.00	0.03	5.7	0.000
15.200	0.000	5.74	0.00	0.03	5.7	0.000
15.217	0.000	5.78	0.00	0.03	5.8	0.000
15.233	0.000	5.82	0.00	0.03	5.8	0.000
15.250	0.000	5.86	0.00	0.03	5.9	0.000
15.267	0.000	5.90	0.00	0.03	5.9	0.000
15.283	0.000	5.94	0.00	0.03	5.9	0.000
15.300	0.000	5.98	0.00	0.03	6.0	0.000
15.317	0.000	6.02	0.00	0.03	6.0	0.000
15.333	0.000	6.06	0.00	0.03	6.1	0.000
15.350	0.000	6.09	0.00	0.03	6.1	0.000
15.367	0.000	6.04	0.00	0.03	6.0	0.000
15.383	0.000	5.98	0.00	0.03	6.0	0.000
15.400	0.000	5.93	0.00	0.03	5.9	0.000
15.417	0.000	5.88	0.00	0.03	5.9	0.000
15.433	0.000	5.82	0.00	0.03	5.8	0.000
15.450	0.000	5.77	0.00	0.03	5.8	0.000
15.467	0.000	5.71	0.00	0.02	5.7	0.000
15.483	0.000	5.66	0.00	0.02	5.7	0.000
15.500	0.000	5.60	0.00	0.02	5.6	0.000
15.517	0.000	5.58	0.00	0.02	5.6	0.000
15.533	0.000	5.65	0.00	0.02	5.7	0.000
15.550	0.000	5.73	0.00	0.03	5.7	0.000
15.567	0.000	5.81	0.00	0.03	5.8	0.000
15.583	0.000	5.89	0.00	0.03	5.9	0.000
15.600	0.000	5.97	0.00	0.03	6.0	0.000
15.617	0.000	6.05	0.00	0.03	6.1	0.000
15.633	0.000	6.13	0.00	0.03	6.1	0.000
15.650	0.000	6.21	0.00	0.03	6.2	0.000
15.667	0.000	6.29	0.00	0.03	6.3	0.000
15.683	0.000	6.44	0.00	0.03	6.4	0.000
15.700	0.000	6.70	0.00	0.03	6.7	0.000
15.717	0.000	6.98	0.00	0.03	7.0	0.000
15.733	0.000	7.25	0.00	0.03	7.2	0.000
15.750	0.000	7.52	0.00	0.03	7.5	0.000
15.767	0.000	7.79	0.00	0.03	7.8	0.000
15.783	0.000	8.06	0.00	0.04	8.1	0.000
15.800	0.000	8.34	0.00	0.04	8.3	0.000
15.817	0.000	8.61	0.00	0.04	8.6	0.000
15.833	0.000	8.88	0.00	0.04	8.9	0.000
15.850	0.000	9.19	0.00	0.04	9.2	0.000
15.867	0.000	9.56	0.00	0.04	9.5	0.000
15.883	0.000	9.93	0.00	0.04	9.9	0.000
15.900	0.000	10.30	0.00	0.05	10.3	0.001
15.917	0.000	10.67	0.00	0.05	10.7	0.001
15.933	0.000	11.04	0.00	0.05	11.0	0.001
15.950	0.000	11.41	0.00	0.05	11.4	0.001
15.967	0.000	11.78	0.00	0.05	11.8	0.001
15.983	0.000	12.15	0.00	0.05	12.1	0.001
16.000	0.000	12.52	0.00	0.06	12.5	0.001
16.017	0.000	14.13	0.00	0.07	14.0	0.001
16.033	0.000	16.99	0.00	0.08	16.9	0.001
16.050	0.000	19.85	0.00	0.09	19.8	0.001
16.067	0.000	22.71	0.00	0.11	22.0	0.002
16.083	0.000	25.57	0.00	0.16	22.9	0.006
16.100	0.000	28.42	0.00	0.22	23.0	0.013
16.117	0.000	31.28	0.00	0.28	23.1	0.024
16.133	0.000	34.14	0.00	0.33	23.2	0.039
16.150	0.000	37.00	0.00	0.38	23.3	0.058
16.167	0.000	41.00	0.00	0.43	23.3	0.083
16.183	0.000	38.97	0.00	0.47	23.4	0.104
16.200	0.000	35.59	0.00	0.49	23.5	0.121
16.217	0.000	32.20	0.00	0.51	23.5	0.133
16.233	0.000	28.81	0.00	0.52	23.5	0.140
16.250	0.000	25.43	0.00	0.52	23.5	0.143
16.267	0.000	22.04	0.00	0.52	23.5	0.141
16.283	0.000	18.65	0.00	0.51	23.5	0.134

16.300	0.000	15.27	0.00	0.50	23.5	0.123
16.317	0.000	11.88	0.00	0.47	23.5	0.107
16.333	0.000	8.56	0.00	0.43	23.4	0.086
16.350	0.000	7.41	0.00	0.39	23.4	0.064
16.367	0.000	7.31	0.00	0.34	23.3	0.042
16.383	0.000	7.21	0.00	0.26	23.2	0.020
16.400	0.000	7.11	0.00	0.08	21.2	0.001
16.417	0.000	7.01	0.00	0.00	9.7	0.000
16.433	0.000	6.90	0.00	0.06	6.5	0.001
16.450	0.000	6.80	0.00	0.01	7.2	0.000
16.467	0.000	6.70	0.00	0.05	6.4	0.001
16.483	0.000	6.60	0.00	0.01	6.9	0.000
16.500	0.000	6.50	0.00	0.04	6.2	0.000
16.517	0.000	6.39	0.00	0.01	6.6	0.000
16.533	0.000	6.28	0.00	0.04	6.1	0.000
16.550	0.000	6.17	0.00	0.02	6.3	0.000
16.567	0.000	6.06	0.00	0.03	5.9	0.000
16.583	0.000	5.94	0.00	0.02	6.1	0.000
16.600	0.000	5.83	0.00	0.03	5.7	0.000
16.617	0.000	5.72	0.00	0.02	5.8	0.000
16.633	0.000	5.61	0.00	0.03	5.5	0.000
16.650	0.000	5.50	0.00	0.02	5.6	0.000
16.667	0.000	5.39	0.00	0.03	5.3	0.000
16.683	0.000	5.31	0.00	0.02	5.4	0.000
16.700	0.000	5.25	0.00	0.03	5.2	0.000
16.717	0.000	5.18	0.00	0.02	5.2	0.000
16.733	0.000	5.11	0.00	0.02	5.1	0.000
16.750	0.000	5.04	0.00	0.02	5.1	0.000
16.767	0.000	4.98	0.00	0.02	5.0	0.000
16.783	0.000	4.91	0.00	0.02	4.9	0.000
16.800	0.000	4.84	0.00	0.02	4.8	0.000
16.817	0.000	4.78	0.00	0.02	4.8	0.000
16.833	0.000	4.71	0.00	0.02	4.7	0.000
16.850	0.000	4.66	0.00	0.02	4.7	0.000
16.867	0.000	4.62	0.00	0.02	4.6	0.000
16.883	0.000	4.57	0.00	0.02	4.6	0.000
16.900	0.000	4.52	0.00	0.02	4.5	0.000
16.917	0.000	4.48	0.00	0.02	4.5	0.000
16.933	0.000	4.43	0.00	0.02	4.4	0.000
16.950	0.000	4.39	0.00	0.02	4.4	0.000
16.967	0.000	4.34	0.00	0.02	4.3	0.000
16.983	0.000	4.29	0.00	0.02	4.3	0.000
17.000	0.000	4.26	0.00	0.02	4.3	0.000
17.017	0.000	4.25	0.00	0.02	4.3	0.000
17.033	0.000	4.26	0.00	0.02	4.3	0.000
17.050	0.000	4.26	0.00	0.02	4.3	0.000
17.067	0.000	4.26	0.00	0.02	4.3	0.000
17.083	0.000	4.26	0.00	0.02	4.3	0.000
17.100	0.000	4.26	0.00	0.02	4.3	0.000
17.117	0.000	4.26	0.00	0.02	4.3	0.000
17.133	0.000	4.26	0.00	0.02	4.3	0.000
17.150	0.000	4.26	0.00	0.02	4.3	0.000
17.167	0.000	4.26	0.00	0.02	4.3	0.000
17.183	0.000	4.24	0.00	0.02	4.2	0.000
17.200	0.000	4.22	0.00	0.02	4.2	0.000
17.217	0.000	4.20	0.00	0.02	4.2	0.000
17.233	0.000	4.18	0.00	0.02	4.2	0.000
17.250	0.000	4.17	0.00	0.02	4.2	0.000
17.267	0.000	4.15	0.00	0.02	4.1	0.000
17.283	0.000	4.13	0.00	0.02	4.1	0.000
17.300	0.000	4.11	0.00	0.02	4.1	0.000
17.317	0.000	4.09	0.00	0.02	4.1	0.000
17.333	0.000	4.07	0.00	0.02	4.1	0.000
17.350	0.000	4.05	0.00	0.02	4.1	0.000
17.367	0.000	4.03	0.00	0.02	4.0	0.000
17.383	0.000	4.01	0.00	0.02	4.0	0.000
17.400	0.000	3.98	0.00	0.02	4.0	0.000
17.417	0.000	3.96	0.00	0.02	4.0	0.000
17.433	0.000	3.94	0.00	0.02	3.9	0.000
17.450	0.000	3.92	0.00	0.02	3.9	0.000
17.467	0.000	3.90	0.00	0.02	3.9	0.000
17.483	0.000	3.88	0.00	0.02	3.9	0.000

17.500	0.000	3.86	0.00	0.02	3.9	0.000
17.517	0.000	3.84	0.00	0.02	3.8	0.000
17.533	0.000	3.82	0.00	0.02	3.8	0.000
17.550	0.000	3.80	0.00	0.02	3.8	0.000
17.567	0.000	3.78	0.00	0.02	3.8	0.000
17.583	0.000	3.76	0.00	0.02	3.8	0.000
17.600	0.000	3.75	0.00	0.02	3.7	0.000
17.617	0.000	3.73	0.00	0.02	3.7	0.000
17.633	0.000	3.71	0.00	0.02	3.7	0.000
17.650	0.000	3.69	0.00	0.02	3.7	0.000
17.667	0.000	3.67	0.00	0.02	3.7	0.000
17.683	0.000	3.66	0.00	0.02	3.7	0.000
17.700	0.000	3.64	0.00	0.02	3.6	0.000
17.717	0.000	3.63	0.00	0.02	3.6	0.000
17.733	0.000	3.61	0.00	0.02	3.6	0.000
17.750	0.000	3.60	0.00	0.02	3.6	0.000
17.767	0.000	3.58	0.00	0.02	3.6	0.000
17.783	0.000	3.56	0.00	0.02	3.6	0.000
17.800	0.000	3.55	0.00	0.02	3.5	0.000
17.817	0.000	3.53	0.00	0.02	3.5	0.000
17.833	0.000	3.52	0.00	0.02	3.5	0.000
17.850	0.000	3.50	0.00	0.02	3.5	0.000
17.867	0.000	3.49	0.00	0.02	3.5	0.000
17.883	0.000	3.48	0.00	0.02	3.5	0.000
17.900	0.000	3.46	0.00	0.02	3.5	0.000
17.917	0.000	3.45	0.00	0.02	3.5	0.000
17.933	0.000	3.44	0.00	0.02	3.4	0.000
17.950	0.000	3.42	0.00	0.01	3.4	0.000
17.967	0.000	3.41	0.00	0.01	3.4	0.000
17.983	0.000	3.40	0.00	0.01	3.4	0.000
18.000	0.000	3.38	0.00	0.01	3.4	0.000
18.017	0.000	3.36	0.00	0.01	3.4	0.000
18.033	0.000	3.34	0.00	0.01	3.3	0.000
18.050	0.000	3.32	0.00	0.01	3.3	0.000
18.067	0.000	3.30	0.00	0.01	3.3	0.000
18.083	0.000	3.28	0.00	0.01	3.3	0.000
18.100	0.000	3.26	0.00	0.01	3.3	0.000
18.117	0.000	3.24	0.00	0.01	3.2	0.000
18.133	0.000	3.22	0.00	0.01	3.2	0.000
18.150	0.000	3.20	0.00	0.01	3.2	0.000
18.167	0.000	3.19	0.00	0.01	3.2	0.000
18.183	0.000	3.17	0.00	0.01	3.2	0.000
18.200	0.000	3.16	0.00	0.01	3.2	0.000
18.217	0.000	3.14	0.00	0.01	3.1	0.000
18.233	0.000	3.13	0.00	0.01	3.1	0.000
18.250	0.000	3.11	0.00	0.01	3.1	0.000
18.267	0.000	3.10	0.00	0.01	3.1	0.000
18.283	0.000	3.08	0.00	0.01	3.1	0.000
18.300	0.000	3.07	0.00	0.01	3.1	0.000
18.317	0.000	3.05	0.00	0.01	3.1	0.000
18.333	0.000	3.04	0.00	0.01	3.0	0.000
18.350	0.000	3.03	0.00	0.01	3.0	0.000
18.367	0.000	3.02	0.00	0.01	3.0	0.000
18.383	0.000	3.01	0.00	0.01	3.0	0.000
18.400	0.000	3.00	0.00	0.01	3.0	0.000
18.417	0.000	2.99	0.00	0.01	3.0	0.000
18.433	0.000	2.98	0.00	0.01	3.0	0.000
18.450	0.000	2.97	0.00	0.01	3.0	0.000
18.467	0.000	2.96	0.00	0.01	3.0	0.000
18.483	0.000	2.96	0.00	0.01	3.0	0.000
18.500	0.000	2.95	0.00	0.01	2.9	0.000
18.517	0.000	2.94	0.00	0.01	2.9	0.000
18.533	0.000	2.93	0.00	0.01	2.9	0.000
18.550	0.000	2.92	0.00	0.01	2.9	0.000
18.567	0.000	2.91	0.00	0.01	2.9	0.000
18.583	0.000	2.90	0.00	0.01	2.9	0.000
18.600	0.000	2.89	0.00	0.01	2.9	0.000
18.617	0.000	2.89	0.00	0.01	2.9	0.000
18.633	0.000	2.88	0.00	0.01	2.9	0.000
18.650	0.000	2.87	0.00	0.01	2.9	0.000
18.667	0.000	2.86	0.00	0.01	2.9	0.000
18.683	0.000	2.85	0.00	0.01	2.9	0.000

18.700	0.000	2.84	0.00	0.01	2.8	0.000
18.717	0.000	2.84	0.00	0.01	2.8	0.000
18.733	0.000	2.83	0.00	0.01	2.8	0.000
18.750	0.000	2.82	0.00	0.01	2.8	0.000
18.767	0.000	2.81	0.00	0.01	2.8	0.000
18.783	0.000	2.80	0.00	0.01	2.8	0.000
18.800	0.000	2.80	0.00	0.01	2.8	0.000
18.817	0.000	2.79	0.00	0.01	2.8	0.000
18.833	0.000	2.78	0.00	0.01	2.8	0.000
18.850	0.000	2.77	0.00	0.01	2.8	0.000
18.867	0.000	2.77	0.00	0.01	2.8	0.000
18.883	0.000	2.76	0.00	0.01	2.8	0.000
18.900	0.000	2.75	0.00	0.01	2.8	0.000
18.917	0.000	2.75	0.00	0.01	2.7	0.000
18.933	0.000	2.74	0.00	0.01	2.7	0.000
18.950	0.000	2.73	0.00	0.01	2.7	0.000
18.967	0.000	2.72	0.00	0.01	2.7	0.000
18.983	0.000	2.72	0.00	0.01	2.7	0.000
19.000	0.000	2.71	0.00	0.01	2.7	0.000
19.017	0.000	2.70	0.00	0.01	2.7	0.000
19.033	0.000	2.70	0.00	0.01	2.7	0.000
19.050	0.000	2.69	0.00	0.01	2.7	0.000
19.067	0.000	2.68	0.00	0.01	2.7	0.000
19.083	0.000	2.68	0.00	0.01	2.7	0.000
19.100	0.000	2.67	0.00	0.01	2.7	0.000
19.117	0.000	2.66	0.00	0.01	2.7	0.000
19.133	0.000	2.66	0.00	0.01	2.7	0.000
19.150	0.000	2.65	0.00	0.01	2.6	0.000
19.167	0.000	2.64	0.00	0.01	2.6	0.000
19.183	0.000	2.64	0.00	0.01	2.6	0.000
19.200	0.000	2.63	0.00	0.01	2.6	0.000
19.217	0.000	2.62	0.00	0.01	2.6	0.000
19.233	0.000	2.62	0.00	0.01	2.6	0.000
19.250	0.000	2.61	0.00	0.01	2.6	0.000
19.267	0.000	2.61	0.00	0.01	2.6	0.000
19.283	0.000	2.60	0.00	0.01	2.6	0.000
19.300	0.000	2.59	0.00	0.01	2.6	0.000
19.317	0.000	2.59	0.00	0.01	2.6	0.000
19.333	0.000	2.58	0.00	0.01	2.6	0.000
19.350	0.000	2.58	0.00	0.01	2.6	0.000
19.367	0.000	2.57	0.00	0.01	2.6	0.000
19.383	0.000	2.56	0.00	0.01	2.6	0.000
19.400	0.000	2.56	0.00	0.01	2.6	0.000
19.417	0.000	2.55	0.00	0.01	2.6	0.000
19.433	0.000	2.55	0.00	0.01	2.5	0.000
19.450	0.000	2.54	0.00	0.01	2.5	0.000
19.467	0.000	2.54	0.00	0.01	2.5	0.000
19.483	0.000	2.53	0.00	0.01	2.5	0.000
19.500	0.000	2.53	0.00	0.01	2.5	0.000
19.517	0.000	2.52	0.00	0.01	2.5	0.000
19.533	0.000	2.51	0.00	0.01	2.5	0.000
19.550	0.000	2.51	0.00	0.01	2.5	0.000
19.567	0.000	2.50	0.00	0.01	2.5	0.000
19.583	0.000	2.50	0.00	0.01	2.5	0.000
19.600	0.000	2.49	0.00	0.01	2.5	0.000
19.617	0.000	2.49	0.00	0.01	2.5	0.000
19.633	0.000	2.48	0.00	0.01	2.5	0.000
19.650	0.000	2.48	0.00	0.01	2.5	0.000
19.667	0.000	2.47	0.00	0.01	2.5	0.000
19.683	0.000	2.47	0.00	0.01	2.5	0.000
19.700	0.000	2.46	0.00	0.01	2.5	0.000
19.717	0.000	2.46	0.00	0.01	2.5	0.000
19.733	0.000	2.45	0.00	0.01	2.5	0.000
19.750	0.000	2.45	0.00	0.01	2.4	0.000
19.767	0.000	2.44	0.00	0.01	2.4	0.000
19.783	0.000	2.44	0.00	0.01	2.4	0.000
19.800	0.000	2.43	0.00	0.01	2.4	0.000
19.817	0.000	2.43	0.00	0.01	2.4	0.000
19.833	0.000	2.42	0.00	0.01	2.4	0.000
19.850	0.000	2.42	0.00	0.01	2.4	0.000
19.867	0.000	2.41	0.00	0.01	2.4	0.000
19.883	0.000	2.41	0.00	0.01	2.4	0.000

19.900	0.000	2.40	0.00	0.01	2.4	0.000
19.917	0.000	2.40	0.00	0.01	2.4	0.000
19.933	0.000	2.40	0.00	0.01	2.4	0.000
19.950	0.000	2.39	0.00	0.01	2.4	0.000
19.967	0.000	2.39	0.00	0.01	2.4	0.000
19.983	0.000	2.38	0.00	0.01	2.4	0.000
20.000	0.000	2.38	0.00	0.01	2.4	0.000
20.017	0.000	2.37	0.00	0.01	2.4	0.000
20.033	0.000	2.37	0.00	0.01	2.4	0.000
20.050	0.000	2.36	0.00	0.01	2.4	0.000
20.067	0.000	2.36	0.00	0.01	2.4	0.000
20.083	0.000	2.35	0.00	0.01	2.4	0.000
20.100	0.000	2.35	0.00	0.01	2.4	0.000
20.117	0.000	2.35	0.00	0.01	2.3	0.000
20.133	0.000	2.34	0.00	0.01	2.3	0.000
20.150	0.000	2.34	0.00	0.01	2.3	0.000
20.167	0.000	2.33	0.00	0.01	2.3	0.000
20.183	0.000	2.33	0.00	0.01	2.3	0.000
20.200	0.000	2.33	0.00	0.01	2.3	0.000
20.217	0.000	2.32	0.00	0.01	2.3	0.000
20.233	0.000	2.32	0.00	0.01	2.3	0.000
20.250	0.000	2.31	0.00	0.01	2.3	0.000
20.267	0.000	2.31	0.00	0.01	2.3	0.000
20.283	0.000	2.30	0.00	0.01	2.3	0.000
20.300	0.000	2.30	0.00	0.01	2.3	0.000
20.317	0.000	2.30	0.00	0.01	2.3	0.000
20.333	0.000	2.29	0.00	0.01	2.3	0.000
20.350	0.000	2.29	0.00	0.01	2.3	0.000
20.367	0.000	2.28	0.00	0.01	2.3	0.000
20.383	0.000	2.28	0.00	0.01	2.3	0.000
20.400	0.000	2.28	0.00	0.01	2.3	0.000
20.417	0.000	2.27	0.00	0.01	2.3	0.000
20.433	0.000	2.27	0.00	0.01	2.3	0.000
20.450	0.000	2.27	0.00	0.01	2.3	0.000
20.467	0.000	2.26	0.00	0.01	2.3	0.000
20.483	0.000	2.26	0.00	0.01	2.3	0.000
20.500	0.000	2.25	0.00	0.01	2.3	0.000
20.517	0.000	2.25	0.00	0.01	2.3	0.000
20.533	0.000	2.25	0.00	0.01	2.2	0.000
20.550	0.000	2.24	0.00	0.01	2.2	0.000
20.567	0.000	2.24	0.00	0.01	2.2	0.000
20.583	0.000	2.24	0.00	0.01	2.2	0.000
20.600	0.000	2.23	0.00	0.01	2.2	0.000
20.617	0.000	2.23	0.00	0.01	2.2	0.000
20.633	0.000	2.22	0.00	0.01	2.2	0.000
20.650	0.000	2.22	0.00	0.01	2.2	0.000
20.667	0.000	2.22	0.00	0.01	2.2	0.000
20.683	0.000	2.21	0.00	0.01	2.2	0.000
20.700	0.000	2.21	0.00	0.01	2.2	0.000
20.717	0.000	2.21	0.00	0.01	2.2	0.000
20.733	0.000	2.20	0.00	0.01	2.2	0.000
20.750	0.000	2.20	0.00	0.01	2.2	0.000
20.767	0.000	2.20	0.00	0.01	2.2	0.000
20.783	0.000	2.19	0.00	0.01	2.2	0.000
20.800	0.000	2.19	0.00	0.01	2.2	0.000
20.817	0.000	2.19	0.00	0.01	2.2	0.000
20.833	0.000	2.18	0.00	0.01	2.2	0.000
20.850	0.000	2.18	0.00	0.01	2.2	0.000
20.867	0.000	2.18	0.00	0.01	2.2	0.000
20.883	0.000	2.17	0.00	0.01	2.2	0.000
20.900	0.000	2.17	0.00	0.01	2.2	0.000
20.917	0.000	2.17	0.00	0.01	2.2	0.000
20.933	0.000	2.16	0.00	0.01	2.2	0.000
20.950	0.000	2.16	0.00	0.01	2.2	0.000
20.967	0.000	2.16	0.00	0.01	2.2	0.000
20.983	0.000	2.15	0.00	0.01	2.2	0.000
21.000	0.000	2.15	0.00	0.01	2.1	0.000
21.017	0.000	2.15	0.00	0.01	2.1	0.000
21.033	0.000	2.14	0.00	0.01	2.1	0.000
21.050	0.000	2.14	0.00	0.01	2.1	0.000
21.067	0.000	2.14	0.00	0.01	2.1	0.000
21.083	0.000	2.13	0.00	0.01	2.1	0.000

21.100	0.000	2.13	0.00	0.01	2.1	0.000
21.117	0.000	2.13	0.00	0.01	2.1	0.000
21.133	0.000	2.12	0.00	0.01	2.1	0.000
21.150	0.000	2.12	0.00	0.01	2.1	0.000
21.167	0.000	2.12	0.00	0.01	2.1	0.000
21.183	0.000	2.12	0.00	0.01	2.1	0.000
21.200	0.000	2.11	0.00	0.01	2.1	0.000
21.217	0.000	2.11	0.00	0.01	2.1	0.000
21.233	0.000	2.11	0.00	0.01	2.1	0.000
21.250	0.000	2.10	0.00	0.01	2.1	0.000
21.267	0.000	2.10	0.00	0.01	2.1	0.000
21.283	0.000	2.10	0.00	0.01	2.1	0.000
21.300	0.000	2.09	0.00	0.01	2.1	0.000
21.317	0.000	2.09	0.00	0.01	2.1	0.000
21.333	0.000	2.09	0.00	0.01	2.1	0.000
21.350	0.000	2.09	0.00	0.01	2.1	0.000
21.367	0.000	2.08	0.00	0.01	2.1	0.000
21.383	0.000	2.08	0.00	0.01	2.1	0.000
21.400	0.000	2.08	0.00	0.01	2.1	0.000
21.417	0.000	2.07	0.00	0.01	2.1	0.000
21.433	0.000	2.07	0.00	0.01	2.1	0.000
21.450	0.000	2.07	0.00	0.01	2.1	0.000
21.467	0.000	2.07	0.00	0.01	2.1	0.000
21.483	0.000	2.06	0.00	0.01	2.1	0.000
21.500	0.000	2.06	0.00	0.01	2.1	0.000
21.517	0.000	2.06	0.00	0.01	2.1	0.000
21.533	0.000	2.05	0.00	0.01	2.1	0.000
21.550	0.000	2.05	0.00	0.01	2.1	0.000
21.567	0.000	2.05	0.00	0.01	2.0	0.000
21.583	0.000	2.05	0.00	0.01	2.0	0.000
21.600	0.000	2.04	0.00	0.01	2.0	0.000
21.617	0.000	2.04	0.00	0.01	2.0	0.000
21.633	0.000	2.04	0.00	0.01	2.0	0.000
21.650	0.000	2.04	0.00	0.01	2.0	0.000
21.667	0.000	2.03	0.00	0.01	2.0	0.000
21.683	0.000	2.03	0.00	0.01	2.0	0.000
21.700	0.000	2.03	0.00	0.01	2.0	0.000
21.717	0.000	2.02	0.00	0.01	2.0	0.000
21.733	0.000	2.02	0.00	0.01	2.0	0.000
21.750	0.000	2.02	0.00	0.01	2.0	0.000
21.767	0.000	2.02	0.00	0.01	2.0	0.000
21.783	0.000	2.01	0.00	0.01	2.0	0.000
21.800	0.000	2.01	0.00	0.01	2.0	0.000
21.817	0.000	2.01	0.00	0.01	2.0	0.000
21.833	0.000	2.01	0.00	0.01	2.0	0.000
21.850	0.000	2.00	0.00	0.01	2.0	0.000
21.867	0.000	2.00	0.00	0.01	2.0	0.000
21.883	0.000	2.00	0.00	0.01	2.0	0.000
21.900	0.000	2.00	0.00	0.01	2.0	0.000
21.917	0.000	1.99	0.00	0.01	2.0	0.000
21.933	0.000	1.99	0.00	0.01	2.0	0.000
21.950	0.000	1.99	0.00	0.01	2.0	0.000
21.967	0.000	1.99	0.00	0.01	2.0	0.000
21.983	0.000	1.98	0.00	0.01	2.0	0.000
22.000	0.000	1.98	0.00	0.01	2.0	0.000
22.017	0.000	1.98	0.00	0.01	2.0	0.000
22.033	0.000	1.98	0.00	0.01	2.0	0.000
22.050	0.000	1.97	0.00	0.01	2.0	0.000
22.067	0.000	1.97	0.00	0.01	2.0	0.000
22.083	0.000	1.97	0.00	0.01	2.0	0.000
22.100	0.000	1.97	0.00	0.01	2.0	0.000
22.117	0.000	1.96	0.00	0.01	2.0	0.000
22.133	0.000	1.96	0.00	0.01	2.0	0.000
22.150	0.000	1.96	0.00	0.01	2.0	0.000
22.167	0.000	1.96	0.00	0.01	2.0	0.000
22.183	0.000	1.95	0.00	0.01	2.0	0.000
22.200	0.000	1.95	0.00	0.01	2.0	0.000
22.216	0.000	1.95	0.00	0.01	2.0	0.000
22.233	0.000	1.95	0.00	0.01	1.9	0.000
22.250	0.000	1.95	0.00	0.01	1.9	0.000
22.266	0.000	1.94	0.00	0.01	1.9	0.000
22.283	0.000	1.94	0.00	0.01	1.9	0.000

22.300	0.000	1.94	0.00	0.01	1.9	0.000
22.316	0.000	1.94	0.00	0.01	1.9	0.000
22.333	0.000	1.93	0.00	0.01	1.9	0.000
22.350	0.000	1.93	0.00	0.01	1.9	0.000
22.366	0.000	1.93	0.00	0.01	1.9	0.000
22.383	0.000	1.93	0.00	0.01	1.9	0.000
22.400	0.000	1.92	0.00	0.01	1.9	0.000
22.416	0.000	1.92	0.00	0.01	1.9	0.000
22.433	0.000	1.92	0.00	0.01	1.9	0.000
22.450	0.000	1.92	0.00	0.01	1.9	0.000
22.466	0.000	1.92	0.00	0.01	1.9	0.000
22.483	0.000	1.91	0.00	0.01	1.9	0.000
22.500	0.000	1.91	0.00	0.01	1.9	0.000
22.516	0.000	1.91	0.00	0.01	1.9	0.000
22.533	0.000	1.91	0.00	0.01	1.9	0.000
22.550	0.000	1.91	0.00	0.01	1.9	0.000
22.566	0.000	1.90	0.00	0.01	1.9	0.000
22.583	0.000	1.90	0.00	0.01	1.9	0.000
22.600	0.000	1.90	0.00	0.01	1.9	0.000
22.616	0.000	1.90	0.00	0.01	1.9	0.000
22.633	0.000	1.89	0.00	0.01	1.9	0.000
22.650	0.000	1.89	0.00	0.01	1.9	0.000
22.666	0.000	1.89	0.00	0.01	1.9	0.000
22.683	0.000	1.89	0.00	0.01	1.9	0.000
22.700	0.000	1.89	0.00	0.01	1.9	0.000
22.716	0.000	1.88	0.00	0.01	1.9	0.000
22.733	0.000	1.88	0.00	0.01	1.9	0.000
22.750	0.000	1.88	0.00	0.01	1.9	0.000
22.766	0.000	1.88	0.00	0.01	1.9	0.000
22.783	0.000	1.88	0.00	0.01	1.9	0.000
22.800	0.000	1.87	0.00	0.01	1.9	0.000
22.816	0.000	1.87	0.00	0.01	1.9	0.000
22.833	0.000	1.87	0.00	0.01	1.9	0.000
22.850	0.000	1.87	0.00	0.01	1.9	0.000
22.866	0.000	1.87	0.00	0.01	1.9	0.000
22.883	0.000	1.86	0.00	0.01	1.9	0.000
22.900	0.000	1.86	0.00	0.01	1.9	0.000
22.916	0.000	1.86	0.00	0.01	1.9	0.000
22.933	0.000	1.86	0.00	0.01	1.9	0.000
22.950	0.000	1.86	0.00	0.01	1.9	0.000
22.966	0.000	1.85	0.00	0.01	1.9	0.000
22.983	0.000	1.85	0.00	0.01	1.9	0.000
23.000	0.000	1.85	0.00	0.01	1.8	0.000
23.016	0.000	1.85	0.00	0.01	1.8	0.000
23.033	0.000	1.85	0.00	0.01	1.8	0.000
23.050	0.000	1.84	0.00	0.01	1.8	0.000
23.066	0.000	1.84	0.00	0.01	1.8	0.000
23.083	0.000	1.84	0.00	0.01	1.8	0.000
23.100	0.000	1.84	0.00	0.01	1.8	0.000
23.116	0.000	1.84	0.00	0.01	1.8	0.000
23.133	0.000	1.83	0.00	0.01	1.8	0.000
23.150	0.000	1.83	0.00	0.01	1.8	0.000
23.166	0.000	1.83	0.00	0.01	1.8	0.000
23.183	0.000	1.83	0.00	0.01	1.8	0.000
23.200	0.000	1.83	0.00	0.01	1.8	0.000
23.216	0.000	1.82	0.00	0.01	1.8	0.000
23.233	0.000	1.82	0.00	0.01	1.8	0.000
23.250	0.000	1.82	0.00	0.01	1.8	0.000
23.266	0.000	1.82	0.00	0.01	1.8	0.000
23.283	0.000	1.82	0.00	0.01	1.8	0.000
23.300	0.000	1.82	0.00	0.01	1.8	0.000
23.316	0.000	1.81	0.00	0.01	1.8	0.000
23.333	0.000	1.81	0.00	0.01	1.8	0.000
23.350	0.000	1.81	0.00	0.01	1.8	0.000
23.366	0.000	1.81	0.00	0.01	1.8	0.000
23.383	0.000	1.81	0.00	0.01	1.8	0.000
23.400	0.000	1.80	0.00	0.01	1.8	0.000
23.416	0.000	1.80	0.00	0.01	1.8	0.000
23.433	0.000	1.80	0.00	0.01	1.8	0.000
23.450	0.000	1.80	0.00	0.01	1.8	0.000
23.466	0.000	1.80	0.00	0.01	1.8	0.000
23.483	0.000	1.80	0.00	0.01	1.8	0.000

23.500	0.000	1.79	0.00	0.01	1.8	0.000
23.516	0.000	1.79	0.00	0.01	1.8	0.000
23.533	0.000	1.79	0.00	0.01	1.8	0.000
23.550	0.000	1.79	0.00	0.01	1.8	0.000
23.566	0.000	1.79	0.00	0.01	1.8	0.000
23.583	0.000	1.78	0.00	0.01	1.8	0.000
23.600	0.000	1.78	0.00	0.01	1.8	0.000
23.616	0.000	1.78	0.00	0.01	1.8	0.000
23.633	0.000	1.78	0.00	0.01	1.8	0.000
23.650	0.000	1.78	0.00	0.01	1.8	0.000
23.666	0.000	1.78	0.00	0.01	1.8	0.000
23.683	0.000	1.77	0.00	0.01	1.8	0.000
23.700	0.000	1.77	0.00	0.01	1.8	0.000
23.716	0.000	1.77	0.00	0.01	1.8	0.000
23.733	0.000	1.77	0.00	0.01	1.8	0.000
23.750	0.000	1.77	0.00	0.01	1.8	0.000
23.766	0.000	1.77	0.00	0.01	1.8	0.000
23.783	0.000	1.76	0.00	0.01	1.8	0.000
23.800	0.000	1.76	0.00	0.01	1.8	0.000
23.816	0.000	1.76	0.00	0.01	1.8	0.000
23.833	0.000	1.76	0.00	0.01	1.8	0.000
23.850	0.000	1.76	0.00	0.01	1.8	0.000
23.866	0.000	1.76	0.00	0.01	1.8	0.000
23.883	0.000	1.75	0.00	0.01	1.8	0.000
23.900	0.000	1.75	0.00	0.01	1.8	0.000
23.916	0.000	1.75	0.00	0.01	1.8	0.000
23.933	0.000	1.75	0.00	0.01	1.7	0.000
23.950	0.000	1.75	0.00	0.01	1.7	0.000
23.966	0.000	1.75	0.00	0.01	1.7	0.000
23.983	0.000	1.74	0.00	0.01	1.7	0.000
24.000	0.000	1.74	0.00	0.01	1.7	0.000
24.016	0.000	1.74	0.00	0.01	1.7	0.000
24.033	0.000	1.74	0.00	0.01	1.7	0.000
24.050	0.000	1.74	0.00	0.01	1.7	0.000
24.066	0.000	1.74	0.00	0.01	1.7	0.000
24.083	0.000	1.74	0.00	0.01	1.7	0.000
24.100	0.000	1.66	0.00	0.01	1.7	0.000
24.116	0.000	1.49	0.00	0.01	1.5	0.000
24.133	0.000	1.31	0.00	0.01	1.3	0.000
24.150	0.000	1.14	0.00	0.00	1.1	0.000
24.166	0.000	0.96	0.00	0.00	1.0	0.000
24.183	0.000	0.79	0.00	0.00	0.8	0.000
24.200	0.000	0.61	0.00	0.00	0.6	0.000
24.216	0.000	0.44	0.00	0.00	0.4	0.000
24.233	0.000	0.26	0.00	0.00	0.3	0.000
24.250	0.000	0.09	0.00	0.00	0.1	0.000
24.266	0.000	0.00	0.00	0.00	0.0	0.000
24.283	0.000	0.00	0.00	0.00	0.0	0.000
24.300	0.000	0.00	0.00	0.00	0.0	0.000
24.316	0.000	0.00	0.00	0.00	0.0	0.000
24.333	0.000	0.00	0.00	0.00	0.0	0.000
24.350	0.000	0.00	0.00	0.00	0.0	0.000
24.366	0.000	0.00	0.00	0.00	0.0	0.000
24.383	0.000	0.00	0.00	0.00	0.0	0.000
24.400	0.000	0.00	0.00	0.00	0.0	0.000
24.416	0.000	0.00	0.00	0.00	0.0	0.000
24.433	0.000	0.00	0.00	0.00	0.0	0.000
24.450	0.000	0.00	0.00	0.00	0.0	0.000
24.466	0.000	0.00	0.00	0.00	0.0	0.000
24.483	0.000	0.00	0.00	0.00	0.0	0.000
24.500	0.000	0.00	0.00	0.00	0.0	0.000
24.516	0.000	0.00	0.00	0.00	0.0	0.000
24.533	0.000	0.00	0.00	0.00	0.0	0.000
24.550	0.000	0.00	0.00	0.00	0.0	0.000
24.566	0.000	0.00	0.00	0.00	0.0	0.000
24.583	0.000	0.00	0.00	0.00	0.0	0.000
24.600	0.000	0.00	0.00	0.00	0.0	0.000
24.616	0.000	0.00	0.00	0.00	0.0	0.000
24.633	0.000	0.00	0.00	0.00	0.0	0.000
24.650	0.000	0.00	0.00	0.00	0.0	0.000
24.666	0.000	0.00	0.00	0.00	0.0	0.000
24.683	0.000	0.00	0.00	0.00	0.0	0.000

24.700	0.000	0.00	0.00	0.00	0.0	0.000
24.716	0.000	0.00	0.00	0.00	0.0	0.000
24.733	0.000	0.00	0.00	0.00	0.0	0.000
24.750	0.000	0.00	0.00	0.00	0.0	0.000
24.766	0.000	0.00	0.00	0.00	0.0	0.000
24.783	0.000	0.00	0.00	0.00	0.0	0.000
24.800	0.000	0.00	0.00	0.00	0.0	0.000
24.816	0.000	0.00	0.00	0.00	0.0	0.000
24.833	0.000	0.00	0.00	0.00	0.0	0.000
24.850	0.000	0.00	0.00	0.00	0.0	0.000
24.866	0.000	0.00	0.00	0.00	0.0	0.000
24.883	0.000	0.00	0.00	0.00	0.0	0.000
24.900	0.000	0.00	0.00	0.00	0.0	0.000
24.916	0.000	0.00	0.00	0.00	0.0	0.000
24.933	0.000	0.00	0.00	0.00	0.0	0.000
24.950	0.000	0.00	0.00	0.00	0.0	0.000
24.966	0.000	0.00	0.00	0.00	0.0	0.000
24.983	0.000	0.00	0.00	0.00	0.0	0.000
25.000	0.000	0.00	0.00	0.00	0.0	0.000
25.016	0.000	0.00	0.00	0.00	0.0	0.000
25.033	0.000	0.00	0.00	0.00	0.0	0.000
25.050	0.000	0.00	0.00	0.00	0.0	0.000
25.066	0.000	0.00	0.00	0.00	0.0	0.000
25.083	0.000	0.00	0.00	0.00	0.0	0.000
25.100	0.000	0.00	0.00	0.00	0.0	0.000
25.116	0.000	0.00	0.00	0.00	0.0	0.000
25.133	0.000	0.00	0.00	0.00	0.0	0.000
25.150	0.000	0.00	0.00	0.00	0.0	0.000
25.166	0.000	0.00	0.00	0.00	0.0	0.000
25.183	0.000	0.00	0.00	0.00	0.0	0.000
25.200	0.000	0.00	0.00	0.00	0.0	0.000
25.216	0.000	0.00	0.00	0.00	0.0	0.000
25.233	0.000	0.00	0.00	0.00	0.0	0.000
25.250	0.000	0.00	0.00	0.00	0.0	0.000
25.266	0.000	0.00	0.00	0.00	0.0	0.000
25.283	0.000	0.00	0.00	0.00	0.0	0.000
25.300	0.000	0.00	0.00	0.00	0.0	0.000
25.316	0.000	0.00	0.00	0.00	0.0	0.000
25.333	0.000	0.00	0.00	0.00	0.0	0.000
25.350	0.000	0.00	0.00	0.00	0.0	0.000
25.366	0.000	0.00	0.00	0.00	0.0	0.000
25.383	0.000	0.00	0.00	0.00	0.0	0.000
25.400	0.000	0.00	0.00	0.00	0.0	0.000
25.416	0.000	0.00	0.00	0.00	0.0	0.000
25.433	0.000	0.00	0.00	0.00	0.0	0.000
25.450	0.000	0.00	0.00	0.00	0.0	0.000
25.466	0.000	0.00	0.00	0.00	0.0	0.000
25.483	0.000	0.00	0.00	0.00	0.0	0.000
25.500	0.000	0.00	0.00	0.00	0.0	0.000
25.516	0.000	0.00	0.00	0.00	0.0	0.000
25.533	0.000	0.00	0.00	0.00	0.0	0.000
25.550	0.000	0.00	0.00	0.00	0.0	0.000
25.566	0.000	0.00	0.00	0.00	0.0	0.000
25.583	0.000	0.00	0.00	0.00	0.0	0.000
25.600	0.000	0.00	0.00	0.00	0.0	0.000
25.616	0.000	0.00	0.00	0.00	0.0	0.000
25.633	0.000	0.00	0.00	0.00	0.0	0.000
25.650	0.000	0.00	0.00	0.00	0.0	0.000
25.666	0.000	0.00	0.00	0.00	0.0	0.000
25.683	0.000	0.00	0.00	0.00	0.0	0.000
25.700	0.000	0.00	0.00	0.00	0.0	0.000
25.716	0.000	0.00	0.00	0.00	0.0	0.000
25.733	0.000	0.00	0.00	0.00	0.0	0.000
25.750	0.000	0.00	0.00	0.00	0.0	0.000
25.766	0.000	0.00	0.00	0.00	0.0	0.000
25.783	0.000	0.00	0.00	0.00	0.0	0.000
25.800	0.000	0.00	0.00	0.00	0.0	0.000
25.816	0.000	0.00	0.00	0.00	0.0	0.000
25.833	0.000	0.00	0.00	0.00	0.0	0.000
25.850	0.000	0.00	0.00	0.00	0.0	0.000
25.866	0.000	0.00	0.00	0.00	0.0	0.000
25.883	0.000	0.00	0.00	0.00	0.0	0.000

25.900	0.000	0.00	0.00	0.00	0.0	0.000
25.916	0.000	0.00	0.00	0.00	0.0	0.000
25.933	0.000	0.00	0.00	0.00	0.0	0.000
25.950	0.000	0.00	0.00	0.00	0.0	0.000
25.966	0.000	0.00	0.00	0.00	0.0	0.000
25.983	0.000	0.00	0.00	0.00	0.0	0.000
26.000	0.000	0.00	0.00	0.00	0.0	0.000
26.016	0.000	0.00	0.00	0.00	0.0	0.000
26.033	0.000	0.00	0.00	0.00	0.0	0.000
26.050	0.000	0.00	0.00	0.00	0.0	0.000
26.066	0.000	0.00	0.00	0.00	0.0	0.000
26.083	0.000	0.00	0.00	0.00	0.0	0.000
26.100	0.000	0.00	0.00	0.00	0.0	0.000
26.116	0.000	0.00	0.00	0.00	0.0	0.000
26.133	0.000	0.00	0.00	0.00	0.0	0.000
26.150	0.000	0.00	0.00	0.00	0.0	0.000
26.166	0.000	0.00	0.00	0.00	0.0	0.000
26.183	0.000	0.00	0.00	0.00	0.0	0.000
26.200	0.000	0.00	0.00	0.00	0.0	0.000
26.216	0.000	0.00	0.00	0.00	0.0	0.000
26.233	0.000	0.00	0.00	0.00	0.0	0.000
26.250	0.000	0.00	0.00	0.00	0.0	0.000
26.266	0.000	0.00	0.00	0.00	0.0	0.000
26.283	0.000	0.00	0.00	0.00	0.0	0.000
26.300	0.000	0.00	0.00	0.00	0.0	0.000
26.316	0.000	0.00	0.00	0.00	0.0	0.000
26.333	0.000	0.00	0.00	0.00	0.0	0.000
26.350	0.000	0.00	0.00	0.00	0.0	0.000
26.366	0.000	0.00	0.00	0.00	0.0	0.000
26.383	0.000	0.00	0.00	0.00	0.0	0.000
26.400	0.000	0.00	0.00	0.00	0.0	0.000
26.416	0.000	0.00	0.00	0.00	0.0	0.000
26.433	0.000	0.00	0.00	0.00	0.0	0.000
26.450	0.000	0.00	0.00	0.00	0.0	0.000
26.466	0.000	0.00	0.00	0.00	0.0	0.000
26.483	0.000	0.00	0.00	0.00	0.0	0.000
26.500	0.000	0.00	0.00	0.00	0.0	0.000
26.516	0.000	0.00	0.00	0.00	0.0	0.000
26.533	0.000	0.00	0.00	0.00	0.0	0.000
26.550	0.000	0.00	0.00	0.00	0.0	0.000
26.566	0.000	0.00	0.00	0.00	0.0	0.000
26.583	0.000	0.00	0.00	0.00	0.0	0.000
26.600	0.000	0.00	0.00	0.00	0.0	0.000
26.616	0.000	0.00	0.00	0.00	0.0	0.000
26.633	0.000	0.00	0.00	0.00	0.0	0.000
26.650	0.000	0.00	0.00	0.00	0.0	0.000
26.666	0.000	0.00	0.00	0.00	0.0	0.000
26.683	0.000	0.00	0.00	0.00	0.0	0.000
26.700	0.000	0.00	0.00	0.00	0.0	0.000
26.716	0.000	0.00	0.00	0.00	0.0	0.000
26.733	0.000	0.00	0.00	0.00	0.0	0.000
26.750	0.000	0.00	0.00	0.00	0.0	0.000
26.766	0.000	0.00	0.00	0.00	0.0	0.000
26.783	0.000	0.00	0.00	0.00	0.0	0.000
26.800	0.000	0.00	0.00	0.00	0.0	0.000
26.816	0.000	0.00	0.00	0.00	0.0	0.000
26.833	0.000	0.00	0.00	0.00	0.0	0.000
26.850	0.000	0.00	0.00	0.00	0.0	0.000
26.866	0.000	0.00	0.00	0.00	0.0	0.000
26.883	0.000	0.00	0.00	0.00	0.0	0.000
26.900	0.000	0.00	0.00	0.00	0.0	0.000
26.916	0.000	0.00	0.00	0.00	0.0	0.000
26.933	0.000	0.00	0.00	0.00	0.0	0.000
26.950	0.000	0.00	0.00	0.00	0.0	0.000
26.966	0.000	0.00	0.00	0.00	0.0	0.000
26.983	0.000	0.00	0.00	0.00	0.0	0.000
27.000	0.000	0.00	0.00	0.00	0.0	0.000
27.016	0.000	0.00	0.00	0.00	0.0	0.000
27.033	0.000	0.00	0.00	0.00	0.0	0.000
27.050	0.000	0.00	0.00	0.00	0.0	0.000
27.066	0.000	0.00	0.00	0.00	0.0	0.000
27.083	0.000	0.00	0.00	0.00	0.0	0.000

27.100	0.000	0.00	0.00	0.00	0.0	0.000
27.116	0.000	0.00	0.00	0.00	0.0	0.000
27.133	0.000	0.00	0.00	0.00	0.0	0.000
27.150	0.000	0.00	0.00	0.00	0.0	0.000
27.166	0.000	0.00	0.00	0.00	0.0	0.000
27.183	0.000	0.00	0.00	0.00	0.0	0.000
27.200	0.000	0.00	0.00	0.00	0.0	0.000
27.216	0.000	0.00	0.00	0.00	0.0	0.000
27.233	0.000	0.00	0.00	0.00	0.0	0.000
27.250	0.000	0.00	0.00	0.00	0.0	0.000
27.266	0.000	0.00	0.00	0.00	0.0	0.000
27.283	0.000	0.00	0.00	0.00	0.0	0.000
27.300	0.000	0.00	0.00	0.00	0.0	0.000
27.316	0.000	0.00	0.00	0.00	0.0	0.000
27.333	0.000	0.00	0.00	0.00	0.0	0.000
27.350	0.000	0.00	0.00	0.00	0.0	0.000
27.366	0.000	0.00	0.00	0.00	0.0	0.000
27.383	0.000	0.00	0.00	0.00	0.0	0.000
27.400	0.000	0.00	0.00	0.00	0.0	0.000
27.416	0.000	0.00	0.00	0.00	0.0	0.000
27.433	0.000	0.00	0.00	0.00	0.0	0.000
27.450	0.000	0.00	0.00	0.00	0.0	0.000
27.466	0.000	0.00	0.00	0.00	0.0	0.000
27.483	0.000	0.00	0.00	0.00	0.0	0.000
27.500	0.000	0.00	0.00	0.00	0.0	0.000
27.516	0.000	0.00	0.00	0.00	0.0	0.000
27.533	0.000	0.00	0.00	0.00	0.0	0.000
27.550	0.000	0.00	0.00	0.00	0.0	0.000
27.566	0.000	0.00	0.00	0.00	0.0	0.000
27.583	0.000	0.00	0.00	0.00	0.0	0.000
27.600	0.000	0.00	0.00	0.00	0.0	0.000
27.616	0.000	0.00	0.00	0.00	0.0	0.000
27.633	0.000	0.00	0.00	0.00	0.0	0.000
27.650	0.000	0.00	0.00	0.00	0.0	0.000
27.666	0.000	0.00	0.00	0.00	0.0	0.000
27.683	0.000	0.00	0.00	0.00	0.0	0.000
27.700	0.000	0.00	0.00	0.00	0.0	0.000
27.716	0.000	0.00	0.00	0.00	0.0	0.000
27.733	0.000	0.00	0.00	0.00	0.0	0.000
27.750	0.000	0.00	0.00	0.00	0.0	0.000
27.766	0.000	0.00	0.00	0.00	0.0	0.000
27.783	0.000	0.00	0.00	0.00	0.0	0.000
27.800	0.000	0.00	0.00	0.00	0.0	0.000
27.816	0.000	0.00	0.00	0.00	0.0	0.000
27.833	0.000	0.00	0.00	0.00	0.0	0.000
27.850	0.000	0.00	0.00	0.00	0.0	0.000
27.866	0.000	0.00	0.00	0.00	0.0	0.000
27.883	0.000	0.00	0.00	0.00	0.0	0.000
27.900	0.000	0.00	0.00	0.00	0.0	0.000
27.916	0.000	0.00	0.00	0.00	0.0	0.000
27.933	0.000	0.00	0.00	0.00	0.0	0.000
27.950	0.000	0.00	0.00	0.00	0.0	0.000
27.966	0.000	0.00	0.00	0.00	0.0	0.000
27.983	0.000	0.00	0.00	0.00	0.0	0.000
28.000	0.000	0.00	0.00	0.00	0.0	0.000
28.016	0.000	0.00	0.00	0.00	0.0	0.000
28.033	0.000	0.00	0.00	0.00	0.0	0.000
28.050	0.000	0.00	0.00	0.00	0.0	0.000
28.066	0.000	0.00	0.00	0.00	0.0	0.000
28.083	0.000	0.00	0.00	0.00	0.0	0.000
28.100	0.000	0.00	0.00	0.00	0.0	0.000
28.116	0.000	0.00	0.00	0.00	0.0	0.000
28.133	0.000	0.00	0.00	0.00	0.0	0.000
28.150	0.000	0.00	0.00	0.00	0.0	0.000
28.166	0.000	0.00	0.00	0.00	0.0	0.000
28.183	0.000	0.00	0.00	0.00	0.0	0.000
28.200	0.000	0.00	0.00	0.00	0.0	0.000
28.216	0.000	0.00	0.00	0.00	0.0	0.000
28.233	0.000	0.00	0.00	0.00	0.0	0.000
28.250	0.000	0.00	0.00	0.00	0.0	0.000
28.266	0.000	0.00	0.00	0.00	0.0	0.000
28.283	0.000	0.00	0.00	0.00	0.0	0.000

28.300	0.000	0.00	0.00	0.00	0.0	0.000
28.316	0.000	0.00	0.00	0.00	0.0	0.000
28.333	0.000	0.00	0.00	0.00	0.0	0.000
28.350	0.000	0.00	0.00	0.00	0.0	0.000
28.366	0.000	0.00	0.00	0.00	0.0	0.000
28.383	0.000	0.00	0.00	0.00	0.0	0.000
28.400	0.000	0.00	0.00	0.00	0.0	0.000
28.416	0.000	0.00	0.00	0.00	0.0	0.000
28.433	0.000	0.00	0.00	0.00	0.0	0.000
28.450	0.000	0.00	0.00	0.00	0.0	0.000
28.466	0.000	0.00	0.00	0.00	0.0	0.000
28.483	0.000	0.00	0.00	0.00	0.0	0.000
28.500	0.000	0.00	0.00	0.00	0.0	0.000
28.516	0.000	0.00	0.00	0.00	0.0	0.000
28.533	0.000	0.00	0.00	0.00	0.0	0.000
28.550	0.000	0.00	0.00	0.00	0.0	0.000
28.566	0.000	0.00	0.00	0.00	0.0	0.000
28.583	0.000	0.00	0.00	0.00	0.0	0.000
28.600	0.000	0.00	0.00	0.00	0.0	0.000
28.616	0.000	0.00	0.00	0.00	0.0	0.000
28.633	0.000	0.00	0.00	0.00	0.0	0.000
28.650	0.000	0.00	0.00	0.00	0.0	0.000
28.666	0.000	0.00	0.00	0.00	0.0	0.000
28.683	0.000	0.00	0.00	0.00	0.0	0.000
28.700	0.000	0.00	0.00	0.00	0.0	0.000
28.716	0.000	0.00	0.00	0.00	0.0	0.000
28.733	0.000	0.00	0.00	0.00	0.0	0.000
28.750	0.000	0.00	0.00	0.00	0.0	0.000
28.766	0.000	0.00	0.00	0.00	0.0	0.000
28.783	0.000	0.00	0.00	0.00	0.0	0.000
28.800	0.000	0.00	0.00	0.00	0.0	0.000
28.816	0.000	0.00	0.00	0.00	0.0	0.000
28.833	0.000	0.00	0.00	0.00	0.0	0.000
28.850	0.000	0.00	0.00	0.00	0.0	0.000
28.866	0.000	0.00	0.00	0.00	0.0	0.000
28.883	0.000	0.00	0.00	0.00	0.0	0.000
28.900	0.000	0.00	0.00	0.00	0.0	0.000
28.916	0.000	0.00	0.00	0.00	0.0	0.000
28.933	0.000	0.00	0.00	0.00	0.0	0.000
28.950	0.000	0.00	0.00	0.00	0.0	0.000
28.966	0.000	0.00	0.00	0.00	0.0	0.000
28.983	0.000	0.00	0.00	0.00	0.0	0.000
29.000	0.000	0.00	0.00	0.00	0.0	0.000
29.016	0.000	0.00	0.00	0.00	0.0	0.000
29.033	0.000	0.00	0.00	0.00	0.0	0.000
29.050	0.000	0.00	0.00	0.00	0.0	0.000
29.066	0.000	0.00	0.00	0.00	0.0	0.000
29.083	0.000	0.00	0.00	0.00	0.0	0.000
29.100	0.000	0.00	0.00	0.00	0.0	0.000
29.116	0.000	0.00	0.00	0.00	0.0	0.000
29.133	0.000	0.00	0.00	0.00	0.0	0.000
29.150	0.000	0.00	0.00	0.00	0.0	0.000
29.166	0.000	0.00	0.00	0.00	0.0	0.000
29.183	0.000	0.00	0.00	0.00	0.0	0.000
29.200	0.000	0.00	0.00	0.00	0.0	0.000
29.216	0.000	0.00	0.00	0.00	0.0	0.000
29.233	0.000	0.00	0.00	0.00	0.0	0.000
29.250	0.000	0.00	0.00	0.00	0.0	0.000
29.266	0.000	0.00	0.00	0.00	0.0	0.000
29.283	0.000	0.00	0.00	0.00	0.0	0.000
29.300	0.000	0.00	0.00	0.00	0.0	0.000
29.316	0.000	0.00	0.00	0.00	0.0	0.000
29.333	0.000	0.00	0.00	0.00	0.0	0.000
29.350	0.000	0.00	0.00	0.00	0.0	0.000
29.366	0.000	0.00	0.00	0.00	0.0	0.000
29.383	0.000	0.00	0.00	0.00	0.0	0.000
29.400	0.000	0.00	0.00	0.00	0.0	0.000
29.416	0.000	0.00	0.00	0.00	0.0	0.000
29.433	0.000	0.00	0.00	0.00	0.0	0.000
29.450	0.000	0.00	0.00	0.00	0.0	0.000
29.466	0.000	0.00	0.00	0.00	0.0	0.000
29.483	0.000	0.00	0.00	0.00	0.0	0.000

29.500	0.000	0.00	0.00	0.00	0.0	0.000
29.516	0.000	0.00	0.00	0.00	0.0	0.000
29.533	0.000	0.00	0.00	0.00	0.0	0.000
29.550	0.000	0.00	0.00	0.00	0.0	0.000
29.566	0.000	0.00	0.00	0.00	0.0	0.000
29.583	0.000	0.00	0.00	0.00	0.0	0.000
29.600	0.000	0.00	0.00	0.00	0.0	0.000
29.616	0.000	0.00	0.00	0.00	0.0	0.000
29.633	0.000	0.00	0.00	0.00	0.0	0.000
29.650	0.000	0.00	0.00	0.00	0.0	0.000
29.666	0.000	0.00	0.00	0.00	0.0	0.000
29.683	0.000	0.00	0.00	0.00	0.0	0.000
29.700	0.000	0.00	0.00	0.00	0.0	0.000
29.716	0.000	0.00	0.00	0.00	0.0	0.000
29.733	0.000	0.00	0.00	0.00	0.0	0.000
29.750	0.000	0.00	0.00	0.00	0.0	0.000
29.766	0.000	0.00	0.00	0.00	0.0	0.000
29.783	0.000	0.00	0.00	0.00	0.0	0.000
29.800	0.000	0.00	0.00	0.00	0.0	0.000
29.816	0.000	0.00	0.00	0.00	0.0	0.000
29.833	0.000	0.00	0.00	0.00	0.0	0.000
29.850	0.000	0.00	0.00	0.00	0.0	0.000
29.866	0.000	0.00	0.00	0.00	0.0	0.000
29.883	0.000	0.00	0.00	0.00	0.0	0.000
29.900	0.000	0.00	0.00	0.00	0.0	0.000
29.916	0.000	0.00	0.00	0.00	0.0	0.000
29.933	0.000	0.00	0.00	0.00	0.0	0.000
29.950	0.000	0.00	0.00	0.00	0.0	0.000
29.966	0.000	0.00	0.00	0.00	0.0	0.000
29.983	0.000	0.00	0.00	0.00	0.0	0.000
30.000	0.000	0.00	0.00	0.00	0.0	0.000
30.016	0.000	0.00	0.00	0.00	0.0	0.000
30.033	0.000	0.00	0.00	0.00	0.0	0.000
30.050	0.000	0.00	0.00	0.00	0.0	0.000
30.066	0.000	0.00	0.00	0.00	0.0	0.000
30.083	0.000	0.00	0.00	0.00	0.0	0.000
30.100	0.000	0.00	0.00	0.00	0.0	0.000
30.116	0.000	0.00	0.00	0.00	0.0	0.000
30.133	0.000	0.00	0.00	0.00	0.0	0.000
30.150	0.000	0.00	0.00	0.00	0.0	0.000
30.166	0.000	0.00	0.00	0.00	0.0	0.000
30.183	0.000	0.00	0.00	0.00	0.0	0.000
30.200	0.000	0.00	0.00	0.00	0.0	0.000
30.216	0.000	0.00	0.00	0.00	0.0	0.000
30.233	0.000	0.00	0.00	0.00	0.0	0.000
30.250	0.000	0.00	0.00	0.00	0.0	0.000
30.266	0.000	0.00	0.00	0.00	0.0	0.000
30.283	0.000	0.00	0.00	0.00	0.0	0.000
30.300	0.000	0.00	0.00	0.00	0.0	0.000
30.316	0.000	0.00	0.00	0.00	0.0	0.000
30.333	0.000	0.00	0.00	0.00	0.0	0.000
30.350	0.000	0.00	0.00	0.00	0.0	0.000
30.366	0.000	0.00	0.00	0.00	0.0	0.000
30.383	0.000	0.00	0.00	0.00	0.0	0.000
30.400	0.000	0.00	0.00	0.00	0.0	0.000
30.416	0.000	0.00	0.00	0.00	0.0	0.000
30.433	0.000	0.00	0.00	0.00	0.0	0.000
30.450	0.000	0.00	0.00	0.00	0.0	0.000
30.466	0.000	0.00	0.00	0.00	0.0	0.000
30.483	0.000	0.00	0.00	0.00	0.0	0.000
30.500	0.000	0.00	0.00	0.00	0.0	0.000
30.516	0.000	0.00	0.00	0.00	0.0	0.000
30.533	0.000	0.00	0.00	0.00	0.0	0.000
30.550	0.000	0.00	0.00	0.00	0.0	0.000
30.566	0.000	0.00	0.00	0.00	0.0	0.000
30.583	0.000	0.00	0.00	0.00	0.0	0.000
30.600	0.000	0.00	0.00	0.00	0.0	0.000
30.616	0.000	0.00	0.00	0.00	0.0	0.000
30.633	0.000	0.00	0.00	0.00	0.0	0.000
30.650	0.000	0.00	0.00	0.00	0.0	0.000
30.666	0.000	0.00	0.00	0.00	0.0	0.000
30.683	0.000	0.00	0.00	0.00	0.0	0.000

30.700	0.000	0.00	0.00	0.00	0.0	0.000
30.716	0.000	0.00	0.00	0.00	0.0	0.000
30.733	0.000	0.00	0.00	0.00	0.0	0.000
30.750	0.000	0.00	0.00	0.00	0.0	0.000
30.766	0.000	0.00	0.00	0.00	0.0	0.000
30.783	0.000	0.00	0.00	0.00	0.0	0.000
30.800	0.000	0.00	0.00	0.00	0.0	0.000
30.816	0.000	0.00	0.00	0.00	0.0	0.000
30.833	0.000	0.00	0.00	0.00	0.0	0.000
30.850	0.000	0.00	0.00	0.00	0.0	0.000
30.866	0.000	0.00	0.00	0.00	0.0	0.000
30.883	0.000	0.00	0.00	0.00	0.0	0.000
30.900	0.000	0.00	0.00	0.00	0.0	0.000
30.916	0.000	0.00	0.00	0.00	0.0	0.000
30.933	0.000	0.00	0.00	0.00	0.0	0.000
30.950	0.000	0.00	0.00	0.00	0.0	0.000
30.966	0.000	0.00	0.00	0.00	0.0	0.000
30.983	0.000	0.00	0.00	0.00	0.0	0.000
31.000	0.000	0.00	0.00	0.00	0.0	0.000
31.016	0.000	0.00	0.00	0.00	0.0	0.000
31.033	0.000	0.00	0.00	0.00	0.0	0.000
31.050	0.000	0.00	0.00	0.00	0.0	0.000
31.066	0.000	0.00	0.00	0.00	0.0	0.000
31.083	0.000	0.00	0.00	0.00	0.0	0.000
31.100	0.000	0.00	0.00	0.00	0.0	0.000
31.116	0.000	0.00	0.00	0.00	0.0	0.000
31.133	0.000	0.00	0.00	0.00	0.0	0.000
31.150	0.000	0.00	0.00	0.00	0.0	0.000
31.166	0.000	0.00	0.00	0.00	0.0	0.000
31.183	0.000	0.00	0.00	0.00	0.0	0.000
31.200	0.000	0.00	0.00	0.00	0.0	0.000
31.216	0.000	0.00	0.00	0.00	0.0	0.000
31.233	0.000	0.00	0.00	0.00	0.0	0.000
31.250	0.000	0.00	0.00	0.00	0.0	0.000
31.266	0.000	0.00	0.00	0.00	0.0	0.000
31.283	0.000	0.00	0.00	0.00	0.0	0.000
31.300	0.000	0.00	0.00	0.00	0.0	0.000
31.316	0.000	0.00	0.00	0.00	0.0	0.000
31.333	0.000	0.00	0.00	0.00	0.0	0.000
31.350	0.000	0.00	0.00	0.00	0.0	0.000
31.366	0.000	0.00	0.00	0.00	0.0	0.000
31.383	0.000	0.00	0.00	0.00	0.0	0.000
31.400	0.000	0.00	0.00	0.00	0.0	0.000
31.416	0.000	0.00	0.00	0.00	0.0	0.000
31.433	0.000	0.00	0.00	0.00	0.0	0.000
31.450	0.000	0.00	0.00	0.00	0.0	0.000
31.466	0.000	0.00	0.00	0.00	0.0	0.000
31.483	0.000	0.00	0.00	0.00	0.0	0.000
31.500	0.000	0.00	0.00	0.00	0.0	0.000
31.516	0.000	0.00	0.00	0.00	0.0	0.000
31.533	0.000	0.00	0.00	0.00	0.0	0.000
31.550	0.000	0.00	0.00	0.00	0.0	0.000
31.566	0.000	0.00	0.00	0.00	0.0	0.000
31.583	0.000	0.00	0.00	0.00	0.0	0.000
31.600	0.000	0.00	0.00	0.00	0.0	0.000
31.616	0.000	0.00	0.00	0.00	0.0	0.000
31.633	0.000	0.00	0.00	0.00	0.0	0.000
31.650	0.000	0.00	0.00	0.00	0.0	0.000
31.666	0.000	0.00	0.00	0.00	0.0	0.000
31.683	0.000	0.00	0.00	0.00	0.0	0.000
31.700	0.000	0.00	0.00	0.00	0.0	0.000
31.716	0.000	0.00	0.00	0.00	0.0	0.000
31.733	0.000	0.00	0.00	0.00	0.0	0.000
31.750	0.000	0.00	0.00	0.00	0.0	0.000
31.766	0.000	0.00	0.00	0.00	0.0	0.000
31.783	0.000	0.00	0.00	0.00	0.0	0.000
31.800	0.000	0.00	0.00	0.00	0.0	0.000
31.816	0.000	0.00	0.00	0.00	0.0	0.000
31.833	0.000	0.00	0.00	0.00	0.0	0.000
31.850	0.000	0.00	0.00	0.00	0.0	0.000
31.866	0.000	0.00	0.00	0.00	0.0	0.000
31.883	0.000	0.00	0.00	0.00	0.0	0.000

31.900	0.000	0.00	0.00	0.00	0.0	0.000
31.916	0.000	0.00	0.00	0.00	0.0	0.000
31.933	0.000	0.00	0.00	0.00	0.0	0.000
31.950	0.000	0.00	0.00	0.00	0.0	0.000
31.966	0.000	0.00	0.00	0.00	0.0	0.000
31.983	0.000	0.00	0.00	0.00	0.0	0.000
32.000	0.000	0.00	0.00	0.00	0.0	0.000
32.016	0.000	0.00	0.00	0.00	0.0	0.000
32.033	0.000	0.00	0.00	0.00	0.0	0.000
32.050	0.000	0.00	0.00	0.00	0.0	0.000
32.066	0.000	0.00	0.00	0.00	0.0	0.000
32.083	0.000	0.00	0.00	0.00	0.0	0.000
32.100	0.000	0.00	0.00	0.00	0.0	0.000
32.116	0.000	0.00	0.00	0.00	0.0	0.000
32.133	0.000	0.00	0.00	0.00	0.0	0.000
32.150	0.000	0.00	0.00	0.00	0.0	0.000
32.166	0.000	0.00	0.00	0.00	0.0	0.000
32.183	0.000	0.00	0.00	0.00	0.0	0.000
32.200	0.000	0.00	0.00	0.00	0.0	0.000
32.216	0.000	0.00	0.00	0.00	0.0	0.000
32.233	0.000	0.00	0.00	0.00	0.0	0.000
32.250	0.000	0.00	0.00	0.00	0.0	0.000
32.266	0.000	0.00	0.00	0.00	0.0	0.000
32.283	0.000	0.00	0.00	0.00	0.0	0.000
32.300	0.000	0.00	0.00	0.00	0.0	0.000
32.316	0.000	0.00	0.00	0.00	0.0	0.000
32.333	0.000	0.00	0.00	0.00	0.0	0.000
32.350	0.000	0.00	0.00	0.00	0.0	0.000
32.366	0.000	0.00	0.00	0.00	0.0	0.000
32.383	0.000	0.00	0.00	0.00	0.0	0.000
32.400	0.000	0.00	0.00	0.00	0.0	0.000
32.416	0.000	0.00	0.00	0.00	0.0	0.000
32.433	0.000	0.00	0.00	0.00	0.0	0.000
32.450	0.000	0.00	0.00	0.00	0.0	0.000
32.466	0.000	0.00	0.00	0.00	0.0	0.000
32.483	0.000	0.00	0.00	0.00	0.0	0.000
32.500	0.000	0.00	0.00	0.00	0.0	0.000
32.516	0.000	0.00	0.00	0.00	0.0	0.000
32.533	0.000	0.00	0.00	0.00	0.0	0.000
32.550	0.000	0.00	0.00	0.00	0.0	0.000
32.566	0.000	0.00	0.00	0.00	0.0	0.000
32.583	0.000	0.00	0.00	0.00	0.0	0.000
32.600	0.000	0.00	0.00	0.00	0.0	0.000
32.616	0.000	0.00	0.00	0.00	0.0	0.000
32.633	0.000	0.00	0.00	0.00	0.0	0.000
32.650	0.000	0.00	0.00	0.00	0.0	0.000
32.666	0.000	0.00	0.00	0.00	0.0	0.000
32.683	0.000	0.00	0.00	0.00	0.0	0.000
32.700	0.000	0.00	0.00	0.00	0.0	0.000
32.716	0.000	0.00	0.00	0.00	0.0	0.000
32.733	0.000	0.00	0.00	0.00	0.0	0.000
32.750	0.000	0.00	0.00	0.00	0.0	0.000
32.766	0.000	0.00	0.00	0.00	0.0	0.000
32.783	0.000	0.00	0.00	0.00	0.0	0.000
32.800	0.000	0.00	0.00	0.00	0.0	0.000
32.816	0.000	0.00	0.00	0.00	0.0	0.000
32.833	0.000	0.00	0.00	0.00	0.0	0.000
32.850	0.000	0.00	0.00	0.00	0.0	0.000
32.866	0.000	0.00	0.00	0.00	0.0	0.000
32.883	0.000	0.00	0.00	0.00	0.0	0.000
32.900	0.000	0.00	0.00	0.00	0.0	0.000
32.916	0.000	0.00	0.00	0.00	0.0	0.000
32.933	0.000	0.00	0.00	0.00	0.0	0.000
32.950	0.000	0.00	0.00	0.00	0.0	0.000
32.966	0.000	0.00	0.00	0.00	0.0	0.000
32.983	0.000	0.00	0.00	0.00	0.0	0.000
33.000	0.000	0.00	0.00	0.00	0.0	0.000
33.016	0.000	0.00	0.00	0.00	0.0	0.000
33.033	0.000	0.00	0.00	0.00	0.0	0.000
33.050	0.000	0.00	0.00	0.00	0.0	0.000
33.066	0.000	0.00	0.00	0.00	0.0	0.000
33.083	0.000	0.00	0.00	0.00	0.0	0.000

33.100	0.000	0.00	0.00	0.00	0.0	0.000
33.116	0.000	0.00	0.00	0.00	0.0	0.000
33.133	0.000	0.00	0.00	0.00	0.0	0.000
33.150	0.000	0.00	0.00	0.00	0.0	0.000
33.166	0.000	0.00	0.00	0.00	0.0	0.000
33.183	0.000	0.00	0.00	0.00	0.0	0.000
33.200	0.000	0.00	0.00	0.00	0.0	0.000
33.216	0.000	0.00	0.00	0.00	0.0	0.000
33.233	0.000	0.00	0.00	0.00	0.0	0.000
33.250	0.000	0.00	0.00	0.00	0.0	0.000
33.266	0.000	0.00	0.00	0.00	0.0	0.000
33.283	0.000	0.00	0.00	0.00	0.0	0.000
33.300	0.000	0.00	0.00	0.00	0.0	0.000
33.316	0.000	0.00	0.00	0.00	0.0	0.000
33.333	0.000	0.00	0.00	0.00	0.0	0.000
33.350	0.000	0.00	0.00	0.00	0.0	0.000
33.366	0.000	0.00	0.00	0.00	0.0	0.000
33.383	0.000	0.00	0.00	0.00	0.0	0.000
33.400	0.000	0.00	0.00	0.00	0.0	0.000
33.416	0.000	0.00	0.00	0.00	0.0	0.000
33.433	0.000	0.00	0.00	0.00	0.0	0.000
33.450	0.000	0.00	0.00	0.00	0.0	0.000
33.466	0.000	0.00	0.00	0.00	0.0	0.000
33.483	0.000	0.00	0.00	0.00	0.0	0.000
33.500	0.000	0.00	0.00	0.00	0.0	0.000
33.516	0.000	0.00	0.00	0.00	0.0	0.000
33.533	0.000	0.00	0.00	0.00	0.0	0.000
33.550	0.000	0.00	0.00	0.00	0.0	0.000
33.566	0.000	0.00	0.00	0.00	0.0	0.000
33.583	0.000	0.00	0.00	0.00	0.0	0.000
33.600	0.000	0.00	0.00	0.00	0.0	0.000
33.616	0.000	0.00	0.00	0.00	0.0	0.000
33.633	0.000	0.00	0.00	0.00	0.0	0.000
33.650	0.000	0.00	0.00	0.00	0.0	0.000
33.666	0.000	0.00	0.00	0.00	0.0	0.000
33.683	0.000	0.00	0.00	0.00	0.0	0.000
33.700	0.000	0.00	0.00	0.00	0.0	0.000
33.716	0.000	0.00	0.00	0.00	0.0	0.000
33.733	0.000	0.00	0.00	0.00	0.0	0.000
33.750	0.000	0.00	0.00	0.00	0.0	0.000
33.766	0.000	0.00	0.00	0.00	0.0	0.000
33.783	0.000	0.00	0.00	0.00	0.0	0.000
33.800	0.000	0.00	0.00	0.00	0.0	0.000
33.816	0.000	0.00	0.00	0.00	0.0	0.000
33.833	0.000	0.00	0.00	0.00	0.0	0.000
33.850	0.000	0.00	0.00	0.00	0.0	0.000
33.866	0.000	0.00	0.00	0.00	0.0	0.000
33.883	0.000	0.00	0.00	0.00	0.0	0.000
33.900	0.000	0.00	0.00	0.00	0.0	0.000
33.916	0.000	0.00	0.00	0.00	0.0	0.000
33.933	0.000	0.00	0.00	0.00	0.0	0.000
33.950	0.000	0.00	0.00	0.00	0.0	0.000
33.966	0.000	0.00	0.00	0.00	0.0	0.000
33.983	0.000	0.00	0.00	0.00	0.0	0.000
34.000	0.000	0.00	0.00	0.00	0.0	0.000
34.016	0.000	0.00	0.00	0.00	0.0	0.000
34.033	0.000	0.00	0.00	0.00	0.0	0.000
34.050	0.000	0.00	0.00	0.00	0.0	0.000
34.066	0.000	0.00	0.00	0.00	0.0	0.000
34.083	0.000	0.00	0.00	0.00	0.0	0.000
34.100	0.000	0.00	0.00	0.00	0.0	0.000
34.116	0.000	0.00	0.00	0.00	0.0	0.000
34.133	0.000	0.00	0.00	0.00	0.0	0.000
34.150	0.000	0.00	0.00	0.00	0.0	0.000
34.166	0.000	0.00	0.00	0.00	0.0	0.000
34.183	0.000	0.00	0.00	0.00	0.0	0.000
34.200	0.000	0.00	0.00	0.00	0.0	0.000
34.216	0.000	0.00	0.00	0.00	0.0	0.000
34.233	0.000	0.00	0.00	0.00	0.0	0.000
34.250	0.000	0.00	0.00	0.00	0.0	0.000
34.266	0.000	0.00	0.00	0.00	0.0	0.000
34.283	0.000	0.00	0.00	0.00	0.0	0.000

34.300	0.000	0.00	0.00	0.00	0.0	0.000
34.316	0.000	0.00	0.00	0.00	0.0	0.000
34.333	0.000	0.00	0.00	0.00	0.0	0.000
34.350	0.000	0.00	0.00	0.00	0.0	0.000
34.366	0.000	0.00	0.00	0.00	0.0	0.000
34.383	0.000	0.00	0.00	0.00	0.0	0.000
34.400	0.000	0.00	0.00	0.00	0.0	0.000
34.416	0.000	0.00	0.00	0.00	0.0	0.000
34.433	0.000	0.00	0.00	0.00	0.0	0.000
34.450	0.000	0.00	0.00	0.00	0.0	0.000
34.466	0.000	0.00	0.00	0.00	0.0	0.000
34.483	0.000	0.00	0.00	0.00	0.0	0.000
34.500	0.000	0.00	0.00	0.00	0.0	0.000
34.516	0.000	0.00	0.00	0.00	0.0	0.000
34.533	0.000	0.00	0.00	0.00	0.0	0.000
34.550	0.000	0.00	0.00	0.00	0.0	0.000
34.566	0.000	0.00	0.00	0.00	0.0	0.000
34.583	0.000	0.00	0.00	0.00	0.0	0.000
34.600	0.000	0.00	0.00	0.00	0.0	0.000
34.616	0.000	0.00	0.00	0.00	0.0	0.000
34.633	0.000	0.00	0.00	0.00	0.0	0.000
34.650	0.000	0.00	0.00	0.00	0.0	0.000
34.666	0.000	0.00	0.00	0.00	0.0	0.000
34.683	0.000	0.00	0.00	0.00	0.0	0.000
34.700	0.000	0.00	0.00	0.00	0.0	0.000
34.716	0.000	0.00	0.00	0.00	0.0	0.000
34.733	0.000	0.00	0.00	0.00	0.0	0.000
34.750	0.000	0.00	0.00	0.00	0.0	0.000
34.766	0.000	0.00	0.00	0.00	0.0	0.000
34.783	0.000	0.00	0.00	0.00	0.0	0.000
34.800	0.000	0.00	0.00	0.00	0.0	0.000
34.816	0.000	0.00	0.00	0.00	0.0	0.000
34.833	0.000	0.00	0.00	0.00	0.0	0.000
34.850	0.000	0.00	0.00	0.00	0.0	0.000
34.866	0.000	0.00	0.00	0.00	0.0	0.000
34.883	0.000	0.00	0.00	0.00	0.0	0.000
34.900	0.000	0.00	0.00	0.00	0.0	0.000
34.916	0.000	0.00	0.00	0.00	0.0	0.000
34.933	0.000	0.00	0.00	0.00	0.0	0.000
34.950	0.000	0.00	0.00	0.00	0.0	0.000
34.966	0.000	0.00	0.00	0.00	0.0	0.000
34.983	0.000	0.00	0.00	0.00	0.0	0.000
35.000	0.000	0.00	0.00	0.00	0.0	0.000
35.016	0.000	0.00	0.00	0.00	0.0	0.000
35.033	0.000	0.00	0.00	0.00	0.0	0.000
35.050	0.000	0.00	0.00	0.00	0.0	0.000
35.066	0.000	0.00	0.00	0.00	0.0	0.000
35.083	0.000	0.00	0.00	0.00	0.0	0.000
35.100	0.000	0.00	0.00	0.00	0.0	0.000
35.116	0.000	0.00	0.00	0.00	0.0	0.000
35.133	0.000	0.00	0.00	0.00	0.0	0.000
35.150	0.000	0.00	0.00	0.00	0.0	0.000
35.166	0.000	0.00	0.00	0.00	0.0	0.000
35.183	0.000	0.00	0.00	0.00	0.0	0.000
35.200	0.000	0.00	0.00	0.00	0.0	0.000
35.216	0.000	0.00	0.00	0.00	0.0	0.000
35.233	0.000	0.00	0.00	0.00	0.0	0.000
35.250	0.000	0.00	0.00	0.00	0.0	0.000
35.266	0.000	0.00	0.00	0.00	0.0	0.000
35.283	0.000	0.00	0.00	0.00	0.0	0.000
35.300	0.000	0.00	0.00	0.00	0.0	0.000
35.316	0.000	0.00	0.00	0.00	0.0	0.000
35.333	0.000	0.00	0.00	0.00	0.0	0.000
35.350	0.000	0.00	0.00	0.00	0.0	0.000
35.366	0.000	0.00	0.00	0.00	0.0	0.000
35.383	0.000	0.00	0.00	0.00	0.0	0.000
35.400	0.000	0.00	0.00	0.00	0.0	0.000
35.416	0.000	0.00	0.00	0.00	0.0	0.000
35.433	0.000	0.00	0.00	0.00	0.0	0.000
35.450	0.000	0.00	0.00	0.00	0.0	0.000
35.466	0.000	0.00	0.00	0.00	0.0	0.000
35.483	0.000	0.00	0.00	0.00	0.0	0.000

35.500	0.000	0.00	0.00	0.00	0.0	0.000
35.516	0.000	0.00	0.00	0.00	0.0	0.000
35.533	0.000	0.00	0.00	0.00	0.0	0.000
35.550	0.000	0.00	0.00	0.00	0.0	0.000
35.566	0.000	0.00	0.00	0.00	0.0	0.000
35.583	0.000	0.00	0.00	0.00	0.0	0.000
35.600	0.000	0.00	0.00	0.00	0.0	0.000
35.616	0.000	0.00	0.00	0.00	0.0	0.000
35.633	0.000	0.00	0.00	0.00	0.0	0.000
35.650	0.000	0.00	0.00	0.00	0.0	0.000
35.666	0.000	0.00	0.00	0.00	0.0	0.000
35.683	0.000	0.00	0.00	0.00	0.0	0.000
35.700	0.000	0.00	0.00	0.00	0.0	0.000
35.716	0.000	0.00	0.00	0.00	0.0	0.000
35.733	0.000	0.00	0.00	0.00	0.0	0.000
35.750	0.000	0.00	0.00	0.00	0.0	0.000
35.766	0.000	0.00	0.00	0.00	0.0	0.000
35.783	0.000	0.00	0.00	0.00	0.0	0.000
35.800	0.000	0.00	0.00	0.00	0.0	0.000
35.816	0.000	0.00	0.00	0.00	0.0	0.000
35.833	0.000	0.00	0.00	0.00	0.0	0.000
35.850	0.000	0.00	0.00	0.00	0.0	0.000
35.866	0.000	0.00	0.00	0.00	0.0	0.000
35.883	0.000	0.00	0.00	0.00	0.0	0.000
35.900	0.000	0.00	0.00	0.00	0.0	0.000
35.916	0.000	0.00	0.00	0.00	0.0	0.000
35.933	0.000	0.00	0.00	0.00	0.0	0.000
35.950	0.000	0.00	0.00	0.00	0.0	0.000
35.966	0.000	0.00	0.00	0.00	0.0	0.000
35.983	0.000	0.00	0.00	0.00	0.0	0.000
36.000	0.000	0.00	0.00	0.00	0.0	0.000

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 6.182 AF
BASIN STORAGE = 0.000 AF (WITH 0.000 AF INITIALLY FILLED)
OUTFLOW VOLUME = 6.185 AF
LOSS VOLUME = 0.000 AF

==========

END OF FLOODSCx ROUTING ANALYSIS

Arrow Rt. and Juneberry Dr. - Rancho Cucamonga
Basin Rating Curve

Building 5 - Nodes 230-238 - Line E Sta. 17+65.17

Elevation (ft)	Depth (ft)	Storage (cu-ft)	Storage (ac-ft)	Type SD Orifice C 0.60 Storm Drain Diameter (in) 18 Invert (ft) 1122.55 Discharge (cfs)
1130.11	0.00	0	0.000	23.395
1130.21	0.10	101	0.002	23.549
1130.31	0.20	768	0.018	23.703
1130.41	0.30	2,445	0.056	23.855
1130.51	0.40	5,494	0.126	24.006
1130.61	0.50	9,833	0.226	24.157
1130.71	0.60	15,315	0.352	24.306
1130.81	0.70	21,818	0.501	24.454
1130.91	0.80	29,212	0.671	24.602

```
******************************************************************************
          NON-HOMOGENEOUS WATERSHED AREA-AVERAGED LOSS RATE (Fm)
                    AND LOW LOSS FRACTION ESTIMATIONS
==============================================================================
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                            Analysis prepared by:




******************************************************************************
------------------------------------------------------------------------------

 Problem Descriptions:
  ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA
  PROPOSED CONDITION - BUILDING 5 - NODES 230-238
  HYDROLOGIC ANALYSIS - 100-YEAR
==============================================================================
*** NON-HOMOGENEOUS WATERSHED AREA-AVERAGED LOSS RATE (Fm)
    AND LOW LOSS FRACTION ESTIMATIONS FOR AMC III:

    TOTAL 24-HOUR DURATION RAINFALL DEPTH =     8.20 (inches)

    SOIL-COVER     AREA      PERCENT OF    SCS CURVE    LOSS RATE
       TYPE      (Acres)   PERVIOUS AREA     NUMBER    Fp(in./hr.)    YIELD
         1         10.00       10.00       32.(AMC II)     0.742       0.874

    TOTAL AREA (Acres) =     10.00

    AREA-AVERAGED LOSS RATE, Fm (in./hr.) =  0.074

    AREA-AVERAGED LOW LOSS FRACTION, Y = 0.126
==============================================================================
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**************************************************************************

            F L O O D    R O U T I N G    A N A L Y S I S
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             Ver. 23.0  Release Date: 07/01/2016  License ID 1435

                          Analysis prepared by:



 ************************* DESCRIPTION OF STUDY *************************
* ARROW RT. AND JUNEBERRY DR. - RANCHO CUCAMONGA                         *
* PROPOSED CONDITION - BUILDING 5 - NODES 230-238                        *
* HYDROLOGIC ANALYSIS - 100-YEAR                                         *
 ************************************************************************

  FILE NAME: 4021P2BC.FLD
  TIME/DATE OF STUDY: 16:00 05/05/2023

   The Small Area Unit Hydrograph Procedures in Section J
   of the Hydrology Manual provides estimates of runoff
   hydrograph and runoff volume for watersheds whose time of
   concentration is less than 25 minutes. The PROGRAM User
   should check the applicability of using the small area unit
   hydrograph procedures, and follow the guidelines in
   Sections J and K.5 in complex watershed modeling.


**************************************************************************
  FLOW PROCESS FROM NODE    230.00 TO NODE    238.00 IS CODE = 1.2
--------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (SMALL AREA UNIT-HYDROGRAPH ANALYSIS) <<<<<
==========================================================================

  (SMALL AREA UNIT-HYDROGRAPH ADDED TO STREAM #1)

    RATIONAL METHOD CALIBRATION COEFFICIENT = 0.90
    TOTAL CATCHMENT AREA(ACRES) =   10.00
    SOIL-LOSS RATE, Fm,(INCH/HR) =  0.074
    LOW LOSS FRACTION = 0.126
    TIME OF CONCENTRATION(MIN.) =  7.50
    SMALL AREA PEAK Q COMPUTED USING PEAK FLOW RATE FORMULA
    USER SPECIFIED RAINFALL VALUES ARE USED:
    RETURN FREQUENCY(YEARS) = 100
       5-MINUTE POINT RAINFALL VALUE(INCHES) =  0.51
      30-MINUTE POINT RAINFALL VALUE(INCHES) =  1.05
       1-HOUR   POINT RAINFALL VALUE(INCHES) =  1.40
       3-HOUR   POINT RAINFALL VALUE(INCHES) =  2.50
       6-HOUR   POINT RAINFALL VALUE(INCHES) =  3.75
      24-HOUR   POINT RAINFALL VALUE(INCHES) =  8.20

--------------------------------------------------------------------------
    TOTAL CATCHMENT   RUNOFF  VOLUME(ACRE-FEET) =     5.41
    TOTAL CATCHMENT SOIL-LOSS VOLUME(ACRE-FEET) =     1.42

--------------------------------------------------------------------------

==========================================================================

                      2 4 - H O U R    S T O R M
                  R U N O F F    H Y D R O G R A P H

==========================================================================
               HYDROGRAPH IN  ONE-MINUTE UNIT INTERVALS(CFS)
        (Notes: Time indicated is at END of Each Unit Intervals.
                Peak 5-minute rainfall intensity is modeled as
                a constant value for entire 5-minute period.)
```

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	10.6	21.3	31.9	42.6
0.017	0.0001	0.10	Q	.	.	.	.
0.033	0.0006	0.30	Q	.	.	.	.
0.050	0.0013	0.51	Q	.	.	.	.
0.067	0.0022	0.71	Q	.	.	.	.
0.083	0.0035	0.91	Q	.	.	.	.
0.100	0.0050	1.11	VQ	.	.	.	.
0.117	0.0068	1.32	VQ	.	.	.	.
0.133	0.0089	1.49	VQ	.	.	.	.
0.150	0.0110	1.52	VQ	.	.	.	.
0.167	0.0131	1.52	VQ	.	.	.	.
0.183	0.0152	1.52	VQ	.	.	.	.
0.200	0.0173	1.52	VQ	.	.	.	.
0.217	0.0194	1.52	VQ	.	.	.	.
0.233	0.0215	1.52	VQ	.	.	.	.
0.250	0.0235	1.52	VQ	.	.	.	.
0.267	0.0256	1.52	VQ	.	.	.	.
0.283	0.0277	1.52	VQ	.	.	.	.
0.300	0.0298	1.52	VQ	.	.	.	.
0.317	0.0319	1.53	VQ	.	.	.	.
0.333	0.0340	1.53	VQ	.	.	.	.
0.350	0.0361	1.53	VQ	.	.	.	.
0.367	0.0383	1.53	VQ	.	.	.	.
0.383	0.0404	1.53	VQ	.	.	.	.
0.400	0.0425	1.53	VQ	.	.	.	.
0.417	0.0446	1.53	VQ	.	.	.	.
0.433	0.0467	1.53	VQ	.	.	.	.
0.450	0.0488	1.53	VQ	.	.	.	.
0.467	0.0509	1.53	VQ	.	.	.	.
0.483	0.0530	1.53	VQ	.	.	.	.
0.500	0.0551	1.53	VQ	.	.	.	.
0.517	0.0572	1.53	VQ	.	.	.	.
0.533	0.0593	1.53	VQ	.	.	.	.
0.550	0.0615	1.53	VQ	.	.	.	.
0.567	0.0636	1.54	VQ	.	.	.	.
0.583	0.0657	1.54	VQ	.	.	.	.
0.600	0.0678	1.54	VQ	.	.	.	.
0.617	0.0699	1.54	VQ	.	.	.	.
0.633	0.0720	1.54	VQ	.	.	.	.
0.650	0.0742	1.54	VQ	.	.	.	.
0.667	0.0763	1.54	VQ	.	.	.	.
0.683	0.0784	1.54	VQ	.	.	.	.
0.700	0.0805	1.54	VQ	.	.	.	.
0.717	0.0827	1.54	VQ	.	.	.	.
0.733	0.0848	1.54	VQ	.	.	.	.
0.750	0.0869	1.54	VQ	.	.	.	.
0.767	0.0890	1.54	VQ	.	.	.	.
0.783	0.0912	1.54	VQ	.	.	.	.
0.800	0.0933	1.55	VQ	.	.	.	.
0.817	0.0954	1.55	VQ	.	.	.	.
0.833	0.0976	1.55	VQ	.	.	.	.
0.850	0.0997	1.55	VQ	.	.	.	.
0.867	0.1018	1.55	VQ	.	.	.	.
0.883	0.1040	1.55	VQ	.	.	.	.
0.900	0.1061	1.55	VQ	.	.	.	.
0.917	0.1082	1.55	VQ	.	.	.	.
0.933	0.1104	1.55	VQ	.	.	.	.
0.950	0.1125	1.55	VQ	.	.	.	.
0.967	0.1147	1.55	VQ	.	.	.	.
0.983	0.1168	1.55	VQ	.	.	.	.
1.000	0.1189	1.55	VQ	.	.	.	.
1.017	0.1211	1.55	VQ	.	.	.	.
1.033	0.1232	1.56	VQ	.	.	.	.
1.050	0.1254	1.56	VQ	.	.	.	.
1.067	0.1275	1.56	VQ	.	.	.	.
1.083	0.1297	1.56	VQ	.	.	.	.
1.100	0.1318	1.56	VQ	.	.	.	.
1.117	0.1340	1.56	VQ	.	.	.	.
1.133	0.1361	1.56	.Q	.	.	.	.
1.150	0.1383	1.56	.Q	.	.	.	.

1.167	0.1404	1.56	.Q	.	.	.	.
1.183	0.1426	1.56	.Q	.	.	.	.
1.200	0.1447	1.56	.Q	.	.	.	.
1.217	0.1469	1.56	.Q	.	.	.	.
1.233	0.1490	1.56	.Q	.	.	.	.
1.250	0.1512	1.57	.Q	.	.	.	.
1.267	0.1533	1.57	.Q	.	.	.	.
1.283	0.1555	1.57	.Q	.	.	.	.
1.300	0.1577	1.57	.Q	.	.	.	.
1.317	0.1598	1.57	.Q	.	.	.	.
1.333	0.1620	1.57	.Q	.	.	.	.
1.350	0.1642	1.57	.Q	.	.	.	.
1.367	0.1663	1.57	.Q	.	.	.	.
1.383	0.1685	1.57	.Q	.	.	.	.
1.400	0.1707	1.57	.Q	.	.	.	.
1.417	0.1728	1.57	.Q	.	.	.	.
1.433	0.1750	1.58	.Q	.	.	.	.
1.450	0.1772	1.58	.Q	.	.	.	.
1.467	0.1793	1.58	.Q	.	.	.	.
1.483	0.1815	1.58	.Q	.	.	.	.
1.500	0.1837	1.58	.Q	.	.	.	.
1.517	0.1858	1.58	.Q	.	.	.	.
1.533	0.1880	1.58	.Q	.	.	.	.
1.550	0.1902	1.58	.Q	.	.	.	.
1.567	0.1924	1.58	.Q	.	.	.	.
1.583	0.1946	1.58	.Q	.	.	.	.
1.600	0.1967	1.58	.Q	.	.	.	.
1.617	0.1989	1.58	.Q	.	.	.	.
1.633	0.2011	1.59	.Q	.	.	.	.
1.650	0.2033	1.59	.Q	.	.	.	.
1.667	0.2055	1.59	.Q	.	.	.	.
1.683	0.2077	1.59	.Q	.	.	.	.
1.700	0.2098	1.59	.Q	.	.	.	.
1.717	0.2120	1.59	.Q	.	.	.	.
1.733	0.2142	1.59	.Q	.	.	.	.
1.750	0.2164	1.59	.Q	.	.	.	.
1.767	0.2186	1.59	.Q	.	.	.	.
1.783	0.2208	1.59	.Q	.	.	.	.
1.800	0.2230	1.59	.Q	.	.	.	.
1.817	0.2252	1.59	.Q	.	.	.	.
1.833	0.2274	1.59	.Q	.	.	.	.
1.850	0.2296	1.60	.Q	.	.	.	.
1.867	0.2318	1.60	.Q	.	.	.	.
1.883	0.2340	1.60	.Q	.	.	.	.
1.900	0.2362	1.60	.Q	.	.	.	.
1.917	0.2384	1.60	.Q	.	.	.	.
1.933	0.2406	1.60	.Q	.	.	.	.
1.950	0.2428	1.60	.Q	.	.	.	.
1.967	0.2450	1.60	.Q	.	.	.	.
1.983	0.2472	1.60	.Q	.	.	.	.
2.000	0.2494	1.60	.Q	.	.	.	.
2.017	0.2516	1.60	.Q	.	.	.	.
2.033	0.2538	1.60	.Q	.	.	.	.
2.050	0.2560	1.60	.Q	.	.	.	.
2.067	0.2582	1.61	.Q	.	.	.	.
2.083	0.2604	1.61	.Q	.	.	.	.
2.100	0.2627	1.61	.Q	.	.	.	.
2.117	0.2649	1.61	.Q	.	.	.	.
2.133	0.2671	1.61	.Q	.	.	.	.
2.150	0.2693	1.61	.Q	.	.	.	.
2.167	0.2715	1.61	.QV	.	.	.	.
2.183	0.2737	1.61	.QV	.	.	.	.
2.200	0.2760	1.61	.QV	.	.	.	.
2.217	0.2782	1.61	.QV	.	.	.	.
2.233	0.2804	1.61	.QV	.	.	.	.
2.250	0.2826	1.61	.QV	.	.	.	.
2.267	0.2849	1.61	.QV	.	.	.	.
2.283	0.2871	1.62	.QV	.	.	.	.
2.300	0.2893	1.62	.QV	.	.	.	.
2.317	0.2915	1.62	.QV	.	.	.	.
2.333	0.2938	1.62	.QV	.	.	.	.
2.350	0.2960	1.62	.QV	.	.	.	.

2.367	0.2982	1.62	.QV	.	.	.	.
2.383	0.3005	1.62	.QV	.	.	.	.
2.400	0.3027	1.62	.QV	.	.	.	.
2.417	0.3049	1.62	.QV	.	.	.	.
2.433	0.3072	1.62	.QV	.	.	.	.
2.450	0.3094	1.62	.QV	.	.	.	.
2.467	0.3116	1.63	.QV	.	.	.	.
2.483	0.3139	1.63	.QV	.	.	.	.
2.500	0.3161	1.63	.QV	.	.	.	.
2.517	0.3184	1.63	.QV	.	.	.	.
2.533	0.3206	1.63	.QV	.	.	.	.
2.550	0.3229	1.63	.QV	.	.	.	.
2.567	0.3251	1.63	.QV	.	.	.	.
2.583	0.3274	1.63	.QV	.	.	.	.
2.600	0.3296	1.63	.QV	.	.	.	.
2.617	0.3319	1.63	.QV	.	.	.	.
2.633	0.3341	1.64	.QV	.	.	.	.
2.650	0.3364	1.64	.QV	.	.	.	.
2.667	0.3386	1.64	.QV	.	.	.	.
2.683	0.3409	1.64	.QV	.	.	.	.
2.700	0.3431	1.64	.QV	.	.	.	.
2.717	0.3454	1.64	.QV	.	.	.	.
2.733	0.3476	1.64	.QV	.	.	.	.
2.750	0.3499	1.64	.QV	.	.	.	.
2.767	0.3522	1.64	.QV	.	.	.	.
2.783	0.3544	1.64	.QV	.	.	.	.
2.800	0.3567	1.64	.QV	.	.	.	.
2.817	0.3589	1.64	.QV	.	.	.	.
2.833	0.3612	1.65	.QV	.	.	.	.
2.850	0.3635	1.65	.QV	.	.	.	.
2.867	0.3657	1.65	.QV	.	.	.	.
2.883	0.3680	1.65	.QV	.	.	.	.
2.900	0.3703	1.65	.QV	.	.	.	.
2.917	0.3726	1.65	.QV	.	.	.	.
2.933	0.3748	1.65	.QV	.	.	.	.
2.950	0.3771	1.65	.QV	.	.	.	.
2.967	0.3794	1.65	.QV	.	.	.	.
2.983	0.3817	1.65	.QV	.	.	.	.
3.000	0.3839	1.65	.QV	.	.	.	.
3.017	0.3862	1.65	.QV	.	.	.	.
3.033	0.3885	1.66	.QV	.	.	.	.
3.050	0.3908	1.66	.QV	.	.	.	.
3.067	0.3931	1.66	.QV	.	.	.	.
3.083	0.3954	1.66	.QV	.	.	.	.
3.100	0.3976	1.66	.QV	.	.	.	.
3.117	0.3999	1.66	.QV	.	.	.	.
3.133	0.4022	1.66	.QV	.	.	.	.
3.150	0.4045	1.66	.QV	.	.	.	.
3.167	0.4068	1.66	.Q V	.	.	.	.
3.183	0.4091	1.66	.Q V	.	.	.	.
3.200	0.4114	1.67	.Q V	.	.	.	.
3.217	0.4137	1.67	.Q V	.	.	.	.
3.233	0.4160	1.67	.Q V	.	.	.	.
3.250	0.4183	1.67	.Q V	.	.	.	.
3.267	0.4206	1.67	.Q V	.	.	.	.
3.283	0.4229	1.67	.Q V	.	.	.	.
3.300	0.4252	1.67	.Q V	.	.	.	.
3.317	0.4275	1.67	.Q V	.	.	.	.
3.333	0.4298	1.67	.Q V	.	.	.	.
3.350	0.4321	1.67	.Q V	.	.	.	.
3.367	0.4344	1.68	.Q V	.	.	.	.
3.383	0.4367	1.68	.Q V	.	.	.	.
3.400	0.4390	1.68	.Q V	.	.	.	.
3.417	0.4413	1.68	.Q V	.	.	.	.
3.433	0.4436	1.68	.Q V	.	.	.	.
3.450	0.4459	1.68	.Q V	.	.	.	.
3.467	0.4483	1.68	.Q V	.	.	.	.
3.483	0.4506	1.68	.Q V	.	.	.	.
3.500	0.4529	1.68	.Q V	.	.	.	.
3.517	0.4552	1.68	.Q V	.	.	.	.
3.533	0.4575	1.68	.Q V	.	.	.	.
3.550	0.4599	1.68	.Q V	.	.	.	.

3.567	0.4622	1.69	.Q	V	.	.	.
3.583	0.4645	1.69	.Q	V	.	.	.
3.600	0.4668	1.69	.Q	V	.	.	.
3.617	0.4692	1.69	.Q	V	.	.	.
3.633	0.4715	1.69	.Q	V	.	.	.
3.650	0.4738	1.69	.Q	V	.	.	.
3.667	0.4761	1.69	.Q	V	.	.	.
3.683	0.4785	1.69	.Q	V	.	.	.
3.700	0.4808	1.69	.Q	V	.	.	.
3.717	0.4831	1.69	.Q	V	.	.	.
3.733	0.4855	1.70	.Q	V	.	.	.
3.750	0.4878	1.70	.Q	V	.	.	.
3.767	0.4902	1.70	.Q	V	.	.	.
3.783	0.4925	1.70	.Q	V	.	.	.
3.800	0.4948	1.70	.Q	V	.	.	.
3.817	0.4972	1.70	.Q	V	.	.	.
3.833	0.4995	1.70	.Q	V	.	.	.
3.850	0.5019	1.70	.Q	V	.	.	.
3.867	0.5042	1.71	.Q	V	.	.	.
3.883	0.5066	1.71	.Q	V	.	.	.
3.900	0.5089	1.71	.Q	V	.	.	.
3.917	0.5113	1.71	.Q	V	.	.	.
3.933	0.5136	1.71	.Q	V	.	.	.
3.950	0.5160	1.71	.Q	V	.	.	.
3.967	0.5183	1.71	.Q	V	.	.	.
3.983	0.5207	1.71	.Q	V	.	.	.
4.000	0.5230	1.71	.Q	V	.	.	.
4.017	0.5254	1.71	.Q	V	.	.	.
4.033	0.5278	1.71	.Q	V	.	.	.
4.050	0.5301	1.71	.Q	V	.	.	.
4.067	0.5325	1.72	.Q	V	.	.	.
4.083	0.5349	1.72	.Q	V	.	.	.
4.100	0.5372	1.72	.Q	V	.	.	.
4.117	0.5396	1.72	.Q	V	.	.	.
4.133	0.5420	1.72	.Q	V	.	.	.
4.150	0.5443	1.72	.Q	V	.	.	.
4.167	0.5467	1.72	.Q	V	.	.	.
4.183	0.5491	1.72	.Q	V	.	.	.
4.200	0.5515	1.72	.Q	V	.	.	.
4.217	0.5538	1.73	.Q	V	.	.	.
4.233	0.5562	1.73	.Q	V	.	.	.
4.250	0.5586	1.73	.Q	V	.	.	.
4.267	0.5610	1.73	.Q	V	.	.	.
4.283	0.5634	1.73	.Q	V	.	.	.
4.300	0.5657	1.73	.Q	V	.	.	.
4.317	0.5681	1.73	.Q	V	.	.	.
4.333	0.5705	1.73	.Q	V	.	.	.
4.350	0.5729	1.73	.Q	V	.	.	.
4.367	0.5753	1.74	.Q	V	.	.	.
4.383	0.5777	1.74	.Q	V	.	.	.
4.400	0.5801	1.74	.Q	V	.	.	.
4.417	0.5825	1.74	.Q	V	.	.	.
4.433	0.5849	1.74	.Q	V	.	.	.
4.450	0.5873	1.74	.Q	V	.	.	.
4.467	0.5897	1.74	.Q	V	.	.	.
4.483	0.5921	1.74	.Q	V	.	.	.
4.500	0.5945	1.74	.Q	V	.	.	.
4.517	0.5969	1.74	.Q	V	.	.	.
4.533	0.5993	1.75	.Q	V	.	.	.
4.550	0.6017	1.75	.Q	V	.	.	.
4.567	0.6041	1.75	.Q	V	.	.	.
4.583	0.6065	1.75	.Q	V	.	.	.
4.600	0.6089	1.75	.Q	V	.	.	.
4.617	0.6113	1.75	.Q	V	.	.	.
4.633	0.6137	1.75	.Q	V	.	.	.
4.650	0.6162	1.75	.Q	V	.	.	.
4.667	0.6186	1.76	.Q	V	.	.	.
4.683	0.6210	1.76	.Q	V	.	.	.
4.700	0.6234	1.76	.Q	V	.	.	.
4.717	0.6258	1.76	.Q	V	.	.	.
4.733	0.6283	1.76	.Q	V	.	.	.
4.750	0.6307	1.76	.Q	V	.	.	.

4.767	0.6331	1.76	.Q	V	.	.	.	.
4.783	0.6355	1.76	.Q	V	.	.	.	.
4.800	0.6380	1.76	.Q	V	.	.	.	.
4.817	0.6404	1.77	.Q	V	.	.	.	.
4.833	0.6428	1.77	.Q	V	.	.	.	.
4.850	0.6453	1.77	.Q	V	.	.	.	.
4.867	0.6477	1.77	.Q	V	.	.	.	.
4.883	0.6502	1.77	.Q	V	.	.	.	.
4.900	0.6526	1.77	.Q	V	.	.	.	.
4.917	0.6550	1.77	.Q	V	.	.	.	.
4.933	0.6575	1.77	.Q	V	.	.	.	.
4.950	0.6599	1.77	.Q	V	.	.	.	.
4.967	0.6624	1.78	.Q	V	.	.	.	.
4.983	0.6648	1.78	.Q	V	.	.	.	.
5.000	0.6673	1.78	.Q	V	.	.	.	.
5.017	0.6697	1.78	.Q	V	.	.	.	.
5.033	0.6722	1.78	.Q	V	.	.	.	.
5.050	0.6746	1.78	.Q	V	.	.	.	.
5.067	0.6771	1.78	.Q	V	.	.	.	.
5.083	0.6795	1.78	.Q	V	.	.	.	.
5.100	0.6820	1.79	.Q	V	.	.	.	.
5.117	0.6844	1.79	.Q	V	.	.	.	.
5.133	0.6869	1.79	.Q	V	.	.	.	.
5.150	0.6894	1.79	.Q	V	.	.	.	.
5.167	0.6918	1.79	.Q	V	.	.	.	.
5.183	0.6943	1.79	.Q	V	.	.	.	.
5.200	0.6968	1.79	.Q	V	.	.	.	.
5.217	0.6992	1.79	.Q	V	.	.	.	.
5.233	0.7017	1.79	.Q	V	.	.	.	.
5.250	0.7042	1.79	.Q	V	.	.	.	.
5.267	0.7067	1.80	.Q	V	.	.	.	.
5.283	0.7091	1.80	.Q	V	.	.	.	.
5.300	0.7116	1.80	.Q	V	.	.	.	.
5.317	0.7141	1.80	.Q	V	.	.	.	.
5.333	0.7166	1.80	.Q	V	.	.	.	.
5.350	0.7191	1.80	.Q	V	.	.	.	.
5.367	0.7215	1.81	.Q	V	.	.	.	.
5.383	0.7240	1.81	.Q	V	.	.	.	.
5.400	0.7265	1.81	.Q	V	.	.	.	.
5.417	0.7290	1.81	.Q	V	.	.	.	.
5.433	0.7315	1.81	.Q	V	.	.	.	.
5.450	0.7340	1.81	.Q	V	.	.	.	.
5.467	0.7365	1.81	.Q	V	.	.	.	.
5.483	0.7390	1.81	.Q	V	.	.	.	.
5.500	0.7415	1.81	.Q	V	.	.	.	.
5.517	0.7440	1.81	.Q	V	.	.	.	.
5.533	0.7465	1.82	.Q	V	.	.	.	.
5.550	0.7490	1.82	.Q	V	.	.	.	.
5.567	0.7515	1.82	.Q	V	.	.	.	.
5.583	0.7540	1.82	.Q	V	.	.	.	.
5.600	0.7565	1.82	.Q	V	.	.	.	.
5.617	0.7590	1.82	.Q	V	.	.	.	.
5.633	0.7615	1.83	.Q	V	.	.	.	.
5.650	0.7640	1.83	.Q	V	.	.	.	.
5.667	0.7666	1.83	.Q	V	.	.	.	.
5.683	0.7691	1.83	.Q	V	.	.	.	.
5.700	0.7716	1.83	.Q	V	.	.	.	.
5.717	0.7741	1.83	.Q	V	.	.	.	.
5.733	0.7766	1.83	.Q	V	.	.	.	.
5.750	0.7792	1.83	.Q	V	.	.	.	.
5.767	0.7817	1.83	.Q	V	.	.	.	.
5.783	0.7842	1.83	.Q	V	.	.	.	.
5.800	0.7867	1.84	.Q	V	.	.	.	.
5.817	0.7893	1.84	.Q	V	.	.	.	.
5.833	0.7918	1.84	.Q	V	.	.	.	.
5.850	0.7943	1.84	.Q	V	.	.	.	.
5.867	0.7969	1.84	.Q	V	.	.	.	.
5.883	0.7994	1.84	.Q	V	.	.	.	.
5.900	0.8020	1.85	.Q	V	.	.	.	.
5.917	0.8045	1.85	.Q	V	.	.	.	.
5.933	0.8071	1.85	.Q	V	.	.	.	.
5.950	0.8096	1.85	.Q	V	.	.	.	.

5.967	0.8121	1.85	.Q	V	.	.	.	.
5.983	0.8147	1.85	.Q	V	.	.	.	.
6.000	0.8172	1.85	.Q	V	.	.	.	.
6.017	0.8198	1.85	.Q	V	.	.	.	.
6.033	0.8224	1.85	.Q	V	.	.	.	.
6.050	0.8249	1.86	.Q	V	.	.	.	.
6.067	0.8275	1.86	.Q	V	.	.	.	.
6.083	0.8300	1.86	.Q	V	.	.	.	.
6.100	0.8326	1.86	.Q	V	.	.	.	.
6.117	0.8352	1.86	.Q	V	.	.	.	.
6.133	0.8377	1.86	.Q	V	.	.	.	.
6.150	0.8403	1.87	.Q	V	.	.	.	.
6.167	0.8429	1.87	.Q	V	.	.	.	.
6.183	0.8454	1.87	.Q	V	.	.	.	.
6.200	0.8480	1.87	.Q	V	.	.	.	.
6.217	0.8506	1.87	.Q	V	.	.	.	.
6.233	0.8532	1.87	.Q	V	.	.	.	.
6.250	0.8557	1.87	.Q	V	.	.	.	.
6.267	0.8583	1.87	.Q	V	.	.	.	.
6.283	0.8609	1.87	.Q	V	.	.	.	.
6.300	0.8635	1.88	.Q	V	.	.	.	.
6.317	0.8661	1.88	.Q	V	.	.	.	.
6.333	0.8687	1.88	.Q	V	.	.	.	.
6.350	0.8713	1.88	.Q	V	.	.	.	.
6.367	0.8738	1.88	.Q	V	.	.	.	.
6.383	0.8764	1.89	.Q	V	.	.	.	.
6.400	0.8790	1.89	.Q	V	.	.	.	.
6.417	0.8816	1.89	.Q	V	.	.	.	.
6.433	0.8842	1.89	.Q	V	.	.	.	.
6.450	0.8868	1.89	.Q	V	.	.	.	.
6.467	0.8895	1.89	.Q	V	.	.	.	.
6.483	0.8921	1.89	.Q	V	.	.	.	.
6.500	0.8947	1.89	.Q	V	.	.	.	.
6.517	0.8973	1.89	.Q	V	.	.	.	.
6.533	0.8999	1.90	.Q	V	.	.	.	.
6.550	0.9025	1.90	.Q	V	.	.	.	.
6.567	0.9051	1.90	.Q	V	.	.	.	.
6.583	0.9077	1.90	.Q	V	.	.	.	.
6.600	0.9104	1.90	.Q	V	.	.	.	.
6.617	0.9130	1.91	.Q	V	.	.	.	.
6.633	0.9156	1.91	.Q	V	.	.	.	.
6.650	0.9182	1.91	.Q	V	.	.	.	.
6.667	0.9209	1.91	.Q	V	.	.	.	.
6.683	0.9235	1.91	.Q	V	.	.	.	.
6.700	0.9261	1.91	.Q	V	.	.	.	.
6.717	0.9288	1.91	.Q	V	.	.	.	.
6.733	0.9314	1.91	.Q	V	.	.	.	.
6.750	0.9340	1.91	.Q	V	.	.	.	.
6.767	0.9367	1.92	.Q	V	.	.	.	.
6.783	0.9393	1.92	.Q	V	.	.	.	.
6.800	0.9420	1.92	.Q	V	.	.	.	.
6.817	0.9446	1.92	.Q	V	.	.	.	.
6.833	0.9472	1.92	.Q	V	.	.	.	.
6.850	0.9499	1.93	.Q	V	.	.	.	.
6.867	0.9526	1.93	.Q	V	.	.	.	.
6.883	0.9552	1.93	.Q	V	.	.	.	.
6.900	0.9579	1.93	.Q	V	.	.	.	.
6.917	0.9605	1.93	.Q	V	.	.	.	.
6.933	0.9632	1.93	.Q	V	.	.	.	.
6.950	0.9659	1.93	.Q	V	.	.	.	.
6.967	0.9685	1.93	.Q	V	.	.	.	.
6.983	0.9712	1.94	.Q	V	.	.	.	.
7.000	0.9739	1.94	.Q	V	.	.	.	.
7.017	0.9765	1.94	.Q	V	.	.	.	.
7.033	0.9792	1.94	.Q	V	.	.	.	.
7.050	0.9819	1.94	.Q	V	.	.	.	.
7.067	0.9846	1.94	.Q	V	.	.	.	.
7.083	0.9872	1.95	.Q	V	.	.	.	.
7.100	0.9899	1.95	.Q	V	.	.	.	.
7.117	0.9926	1.95	.Q	V	.	.	.	.
7.133	0.9953	1.95	.Q	V	.	.	.	.
7.150	0.9980	1.95	.Q	V	.	.	.	.

7.167	1.0007	1.95	.Q	V	.	.	.	.
7.183	1.0034	1.96	.Q	V	.	.	.	.
7.200	1.0061	1.96	.Q	V	.	.	.	.
7.217	1.0088	1.96	.Q	V	.	.	.	.
7.233	1.0115	1.96	.Q	V	.	.	.	.
7.250	1.0142	1.96	.Q	V	.	.	.	.
7.267	1.0169	1.96	.Q	V	.	.	.	.
7.283	1.0196	1.96	.Q	V	.	.	.	.
7.300	1.0223	1.97	.Q	V	.	.	.	.
7.317	1.0250	1.97	.Q	V	.	.	.	.
7.333	1.0277	1.97	.Q	V	.	.	.	.
7.350	1.0304	1.97	.Q	V	.	.	.	.
7.367	1.0331	1.97	.Q	V	.	.	.	.
7.383	1.0359	1.98	.Q	V	.	.	.	.
7.400	1.0386	1.98	.Q	V	.	.	.	.
7.417	1.0413	1.98	.Q	V	.	.	.	.
7.433	1.0440	1.98	.Q	V	.	.	.	.
7.450	1.0468	1.98	.Q	V	.	.	.	.
7.467	1.0495	1.98	.Q	V	.	.	.	.
7.483	1.0522	1.98	.Q	V	.	.	.	.
7.500	1.0550	1.98	.Q	V	.	.	.	.
7.517	1.0577	1.99	.Q	V	.	.	.	.
7.533	1.0604	1.99	.Q	V	.	.	.	.
7.550	1.0632	1.99	.Q	V	.	.	.	.
7.567	1.0659	1.99	.Q	V	.	.	.	.
7.583	1.0687	2.00	.Q	V	.	.	.	.
7.600	1.0714	2.00	.Q	V	.	.	.	.
7.617	1.0742	2.00	.Q	V	.	.	.	.
7.633	1.0769	2.00	.Q	V	.	.	.	.
7.650	1.0797	2.00	.Q	V	.	.	.	.
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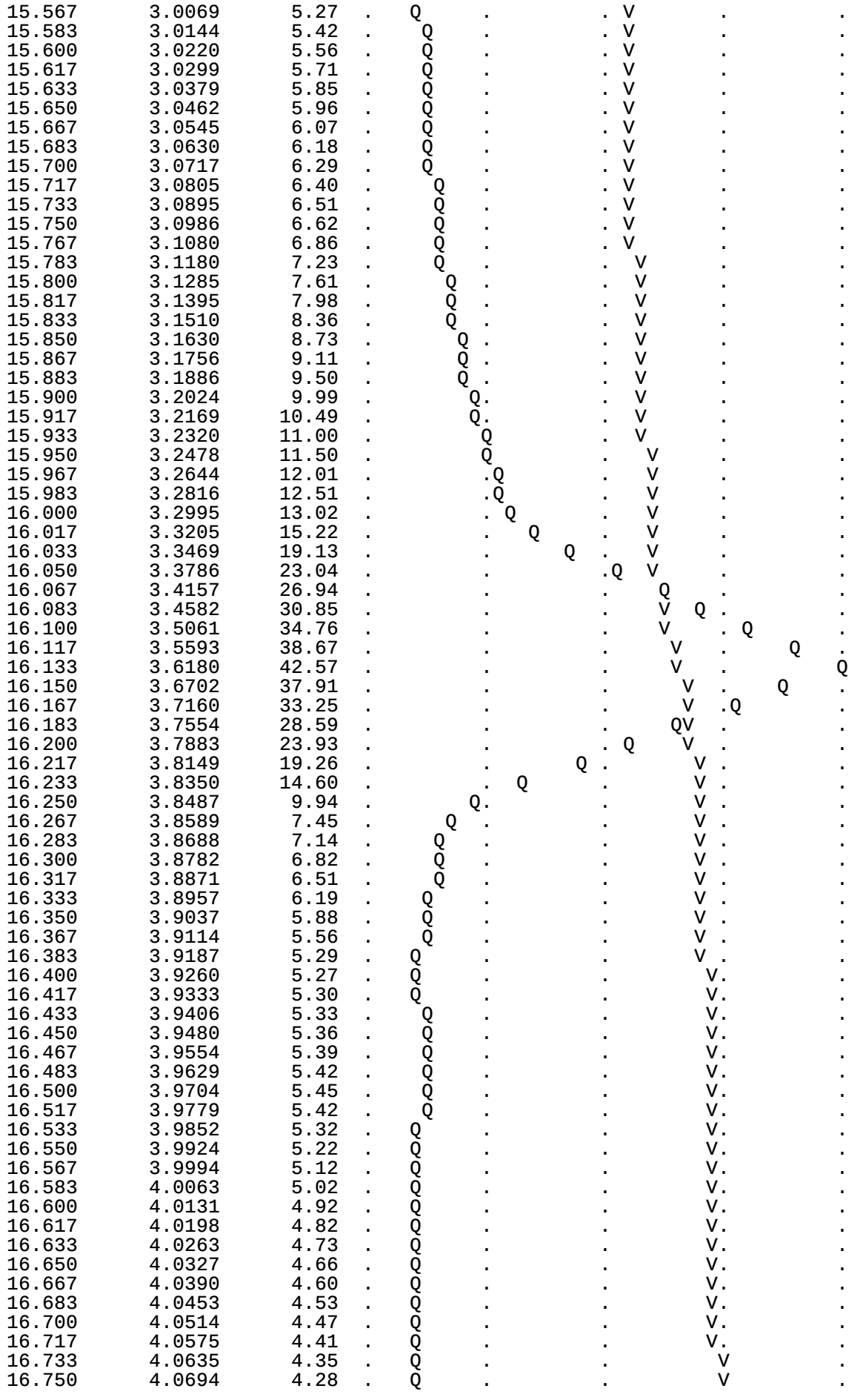
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12.617	2.0595	3.05	. Q	.	V	.	.	.
12.633	2.0637	3.05	. Q	.	V	.	.	.
12.650	2.0679	3.06	. Q	.	V	.	.	.
12.667	2.0721	3.06	. Q	.	V	.	.	.
12.683	2.0763	3.07	. Q	.	V	.	.	.
12.700	2.0806	3.07	. Q	.	V	.	.	.
12.717	2.0848	3.08	. Q	.	V	.	.	.
12.733	2.0890	3.08	. Q	.	V	.	.	.
12.750	2.0933	3.08	. Q	.	V	.	.	.
12.767	2.0975	3.09	. Q	.	V	.	.	.
12.783	2.1018	3.10	. Q	.	V	.	.	.
12.800	2.1061	3.11	. Q	.	V	.	.	.
12.817	2.1104	3.12	. Q	.	V	.	.	.
12.833	2.1147	3.13	. Q	.	V	.	.	.
12.850	2.1190	3.13	. Q	.	V	.	.	.
12.867	2.1233	3.14	. Q	.	V	.	.	.
12.883	2.1277	3.15	. Q	.	V	.	.	.
12.900	2.1320	3.16	. Q	.	V	.	.	.
12.917	2.1364	3.16	. Q	.	V	.	.	.
12.933	2.1407	3.17	. Q	.	V	.	.	.
12.950	2.1451	3.17	. Q	.	V	.	.	.
12.967	2.1495	3.17	. Q	.	V	.	.	.
12.983	2.1539	3.18	. Q	.	V	.	.	.
13.000	2.1582	3.18	. Q	.	V	.	.	.
13.017	2.1626	3.19	. Q	.	V	.	.	.
13.033	2.1670	3.20	. Q	.	V	.	.	.
13.050	2.1715	3.21	. Q	.	V	.	.	.
13.067	2.1759	3.22	. Q	.	V	.	.	.
13.083	2.1804	3.23	. Q	.	V	.	.	.
13.100	2.1848	3.24	. Q	.	V	.	.	.
13.117	2.1893	3.25	. Q	.	V	.	.	.
13.133	2.1938	3.26	. Q	.	V	.	.	.
13.150	2.1983	3.26	. Q	.	V	.	.	.

13.167	2.2028	3.27	.	Q	.	V	.	.	.	
13.183	2.2073	3.28	.	Q	.	V	.	.	.	
13.200	2.2118	3.28	.	Q	.	V	.	.	.	
13.217	2.2163	3.29	.	Q	.	V	.	.	.	
13.233	2.2209	3.29	.	Q	.	V	.	.	.	
13.250	2.2254	3.30	.	Q	.	V	.	.	.	
13.267	2.2300	3.30	.	Q	.	V	.	.	.	
13.283	2.2345	3.31	.	Q	.	V	.	.	.	
13.300	2.2391	3.33	.	Q	.	V	.	.	.	
13.317	2.2437	3.34	.	Q	.	V	.	.	.	
13.333	2.2483	3.35	.	Q	.	V	.	.	.	
13.350	2.2529	3.36	.	Q	.	V	.	.	.	
13.367	2.2576	3.37	.	Q	.	V	.	.	.	
13.383	2.2622	3.38	.	Q	.	V	.	.	.	
13.400	2.2669	3.39	.	Q	.	V	.	.	.	
13.417	2.2716	3.39	.	Q	.	V	.	.	.	
13.433	2.2763	3.40	.	Q	.	V	.	.	.	
13.450	2.2809	3.40	.	Q	.	V	.	.	.	
13.467	2.2856	3.41	.	Q	.	V	.	.	.	
13.483	2.2904	3.42	.	Q	.	V	.	.	.	
13.500	2.2951	3.42	.	Q	.	V	.	.	.	
13.517	2.2998	3.43	.	Q	.	V	.	.	.	
13.533	2.3045	3.44	.	Q	.	V	.	.	.	
13.550	2.3093	3.46	.	Q	.	V	.	.	.	
13.567	2.3141	3.47	.	Q	.	V	.	.	.	
13.583	2.3189	3.48	.	Q	.	V	.	.	.	
13.600	2.3237	3.49	.	Q	.	V	.	.	.	
13.617	2.3285	3.51	.	Q	.	V	.	.	.	
13.633	2.3334	3.52	.	Q	.	V	.	.	.	
13.650	2.3382	3.53	.	Q	.	V	.	.	.	
13.667	2.3431	3.53	.	Q	.	V	.	.	.	
13.683	2.3480	3.54	.	Q	.	V	.	.	.	
13.700	2.3529	3.55	.	Q	.	V	.	.	.	
13.717	2.3577	3.55	.	Q	.	V	.	.	.	
13.733	2.3626	3.56	.	Q	.	V	.	.	.	
13.750	2.3676	3.57	.	Q	.	V	.	.	.	
13.767	2.3725	3.58	.	Q	.	V	.	.	.	
13.783	2.3774	3.59	.	Q	.	V	.	.	.	
13.800	2.3824	3.61	.	Q	.	V	.	.	.	
13.817	2.3874	3.62	.	Q	.	V	.	.	.	
13.833	2.3924	3.64	.	Q	.	V	.	.	.	
13.850	2.3974	3.65	.	Q	.	V	.	.	.	
13.867	2.4025	3.67	.	Q	.	V	.	.	.	
13.883	2.4076	3.68	.	Q	.	V	.	.	.	
13.900	2.4126	3.69	.	Q	.	V	.	.	.	
13.917	2.4177	3.70	.	Q	.	V	.	.	.	
13.933	2.4228	3.70	.	Q	.	V	.	.	.	
13.950	2.4279	3.71	.	Q	.	V	.	.	.	
13.967	2.4331	3.72	.	Q	.	V	.	.	.	
13.983	2.4382	3.73	.	Q	.	V	.	.	.	
14.000	2.4433	3.74	.	Q	.	V	.	.	.	
14.017	2.4485	3.72	.	Q	.	V	.	.	.	
14.033	2.4535	3.69	.	Q	.	V	.	.	.	
14.050	2.4586	3.66	.	Q	.	V	.	.	.	
14.067	2.4636	3.62	.	Q	.	V	.	.	.	
14.083	2.4685	3.59	.	Q	.	V	.	.	.	
14.100	2.4734	3.56	.	Q	.	V	.	.	.	
14.117	2.4783	3.53	.	Q	.	V	.	.	.	
14.133	2.4831	3.50	.	Q	.	V	.	.	.	
14.150	2.4879	3.50	.	Q	.	V	.	.	.	
14.167	2.4928	3.51	.	Q	.	V	.	.	.	
14.183	2.4976	3.52	.	Q	.	V	.	.	.	
14.200	2.5025	3.53	.	Q	.	V	.	.	.	
14.217	2.5074	3.54	.	Q	.	V	.	.	.	
14.233	2.5123	3.55	.	Q	.	V	.	.	.	
14.250	2.5172	3.56	.	Q	.	V	.	.	.	
14.267	2.5221	3.58	.	Q	.	V	.	.	.	
14.283	2.5271	3.60	.	Q	.	V	.	.	.	
14.300	2.5320	3.62	.	Q	.	V	.	.	.	
14.317	2.5371	3.64	.	Q	.	V	.	.	.	
14.333	2.5421	3.66	.	Q	.	V	.	.	.	
14.350	2.5472	3.68	.	Q	.	V	.	.	.	

14.367	2.5523	3.71	.	Q	.	V	.	.	.	.
14.383	2.5574	3.73	.	Q	.	V	.	.	.	.
14.400	2.5626	3.74	.	Q	.	V	.	.	.	.
14.417	2.5677	3.75	.	Q	.	V	.	.	.	.
14.433	2.5729	3.76	.	Q	.	V	.	.	.	.
14.450	2.5781	3.77	.	Q	.	V	.	.	.	.
14.467	2.5833	3.79	.	Q	.	V	.	.	.	.
14.483	2.5886	3.80	.	Q	.	V	.	.	.	.
14.500	2.5938	3.81	.	Q	.	V	.	.	.	.
14.517	2.5991	3.83	.	Q	.	V	.	.	.	.
14.533	2.6044	3.86	.	Q	.	V	.	.	.	.
14.550	2.6097	3.88	.	Q	.	V	.	.	.	.
14.567	2.6151	3.91	.	Q	.	V	.	.	.	.
14.583	2.6206	3.94	.	Q	.	V	.	.	.	.
14.600	2.6260	3.96	.	Q	.	V	.	.	.	.
14.617	2.6315	3.99	.	Q	.	V	.	.	.	.
14.633	2.6370	4.01	.	Q	.	V	.	.	.	.
14.650	2.6426	4.03	.	Q	.	V	.	.	.	.
14.667	2.6482	4.05	.	Q	.	V	.	.	.	.
14.683	2.6538	4.06	.	Q	.	V	.	.	.	.
14.700	2.6594	4.08	.	Q	.	V	.	.	.	.
14.717	2.6650	4.09	.	Q	.	V	.	.	.	.
14.733	2.6707	4.11	.	Q	.	V	.	.	.	.
14.750	2.6763	4.12	.	Q	.	V	.	.	.	.
14.767	2.6821	4.15	.	Q	.	V	.	.	.	.
14.783	2.6878	4.18	.	Q	.	V	.	.	.	.
14.800	2.6936	4.22	.	Q	.	V	.	.	.	.
14.817	2.6995	4.25	.	Q	.	V	.	.	.	.
14.833	2.7054	4.29	.	Q	.	V	.	.	.	.
14.850	2.7113	4.32	.	Q	.	V	.	.	.	.
14.867	2.7173	4.35	.	Q	.	V	.	.	.	.
14.883	2.7234	4.39	.	Q	.	V	.	.	.	.
14.900	2.7295	4.41	.	Q	.	V	.	.	.	.
14.917	2.7356	4.43	.	Q	.	V	.	.	.	.
14.933	2.7417	4.45	.	Q	.	V	.	.	.	.
14.950	2.7478	4.47	.	Q	.	V	.	.	.	.
14.967	2.7540	4.49	.	Q	.	V	.	.	.	.
14.983	2.7602	4.51	.	Q	.	V	.	.	.	.
15.000	2.7665	4.53	.	Q	.	V	.	.	.	.
15.017	2.7728	4.57	.	Q	.	V	.	.	.	.
15.033	2.7791	4.62	.	Q	.	V	.	.	.	.
15.050	2.7856	4.67	.	Q	.	V	.	.	.	.
15.067	2.7921	4.73	.	Q	.	V	.	.	.	.
15.083	2.7987	4.78	.	Q	.	V	.	.	.	.
15.100	2.8053	4.83	.	Q	.	V	.	.	.	.
15.117	2.8120	4.88	.	Q	.	V	.	.	.	.
15.133	2.8188	4.94	.	Q	.	V	.	.	.	.
15.150	2.8257	4.97	.	Q	.	V	.	.	.	.
15.167	2.8326	5.00	.	Q	.	V	.	.	.	.
15.183	2.8395	5.04	.	Q	.	V	.	.	.	.
15.200	2.8465	5.07	.	Q	.	.V	.	.	.	.
15.217	2.8535	5.10	.	Q	.	.V	.	.	.	.
15.233	2.8606	5.13	.	Q	.	.V	.	.	.	.
15.250	2.8677	5.17	.	Q	.	.V	.	.	.	.
15.267	2.8749	5.23	.	Q	.	.V	.	.	.	.
15.283	2.8822	5.31	.	Q	.	.V	.	.	.	.
15.300	2.8896	5.39	.	Q	.	.V	.	.	.	.
15.317	2.8972	5.47	.	Q	.	.V	.	.	.	.
15.333	2.9048	5.55	.	Q	.	.V	.	.	.	.
15.350	2.9126	5.63	.	Q	.	.V	.	.	.	.
15.367	2.9205	5.72	.	Q	.	.V	.	.	.	.
15.383	2.9284	5.77	.	Q	.	.V	.	.	.	.
15.400	2.9362	5.66	.	Q	.	.V	.	.	.	.
15.417	2.9438	5.52	.	Q	.	.V	.	.	.	.
15.433	2.9512	5.39	.	Q	.	.V	.	.	.	.
15.450	2.9585	5.25	.	Q	.	.V	.	.	.	.
15.467	2.9655	5.11	.	Q	.	.V	.	.	.	.
15.483	2.9724	4.97	.	Q	.	.V	.	.	.	.
15.500	2.9790	4.84	.	Q	.	. V	.	.	.	.
15.517	2.9857	4.84	.	Q	.	. V	.	.	.	.
15.533	2.9926	4.99	.	Q	.	. V	.	.	.	.
15.550	2.9996	5.13	.	Q	.	. V	.	.	.	.



15.567	3.0069	5.27	.	Q . . V . .
15.583	3.0144	5.42	.	Q . . V . .
15.600	3.0220	5.56	.	Q . . V . .
15.617	3.0299	5.71	.	Q . . V . .
15.633	3.0379	5.85	.	Q . . V . .
15.650	3.0462	5.96	.	Q . . V . .
15.667	3.0545	6.07	.	Q . . V . .
15.683	3.0630	6.18	.	Q . . V . .
15.700	3.0717	6.29	.	Q . . V . .
15.717	3.0805	6.40	.	Q . . V . .
15.733	3.0895	6.51	.	Q . . V . .
15.750	3.0986	6.62	.	Q . . V . .
15.767	3.1080	6.86	.	Q . . V . .
15.783	3.1180	7.23	.	Q . . V . .
15.800	3.1285	7.61	.	Q . . V . .
15.817	3.1395	7.98	.	Q . . V . .
15.833	3.1510	8.36	.	Q . . V . .
15.850	3.1630	8.73	.	Q . . V . .
15.867	3.1756	9.11	.	Q . . V . .
15.883	3.1886	9.50	.	Q . . V . .
15.900	3.2024	9.99	.	Q. . V . .
15.917	3.2169	10.49	.	Q. . V . .
15.933	3.2320	11.00	.	Q . V . .
15.950	3.2478	11.50	.	Q . V . .
15.967	3.2644	12.01	.	.Q . V . .
15.983	3.2816	12.51	.	.Q . V . .
16.000	3.2995	13.02	.	. Q . V . .
16.017	3.3205	15.22	.	. Q . V . .
16.033	3.3469	19.13	.	. Q . V . .
16.050	3.3786	23.04	.	. .Q V . .
16.067	3.4157	26.94	.	. . Q . .
16.083	3.4582	30.85	.	. . V Q .
16.100	3.5061	34.76	.	. . V . Q .
16.117	3.5593	38.67	.	. . V . Q .
16.133	3.6180	42.57	.	. . V . Q
16.150	3.6702	37.91	.	. . V . Q .
16.167	3.7160	33.25	.	. . V .Q .
16.183	3.7554	28.59	.	. . QV . .
16.200	3.7883	23.93	.	. Q V . .
16.217	3.8149	19.26	.	. Q . V . .
16.233	3.8350	14.60	.	. Q . V . .
16.250	3.8487	9.94	.	Q. . V . .
16.267	3.8589	7.45	.	Q . V . .
16.283	3.8688	7.14	.	Q . V . .
16.300	3.8782	6.82	.	Q . V . .
16.317	3.8871	6.51	.	Q . V . .
16.333	3.8957	6.19	.	Q . V . .
16.350	3.9037	5.88	.	Q . V . .
16.367	3.9114	5.56	.	Q . V . .
16.383	3.9187	5.29	.	Q . V . .
16.400	3.9260	5.27	.	Q . V. .
16.417	3.9333	5.30	.	Q . V. .
16.433	3.9406	5.33	.	Q . V. .
16.450	3.9480	5.36	.	Q . V. .
16.467	3.9554	5.39	.	Q . V. .
16.483	3.9629	5.42	.	Q . V. .
16.500	3.9704	5.45	.	Q . V. .
16.517	3.9779	5.42	.	Q . V. .
16.533	3.9852	5.32	.	Q . V. .
16.550	3.9924	5.22	.	Q . V. .
16.567	3.9994	5.12	.	Q . V. .
16.583	4.0063	5.02	.	Q . V. .
16.600	4.0131	4.92	.	Q . V. .
16.617	4.0198	4.82	.	Q . V. .
16.633	4.0263	4.73	.	Q . V. .
16.650	4.0327	4.66	.	Q . V. .
16.667	4.0390	4.60	.	Q . V. .
16.683	4.0453	4.53	.	Q . V. .
16.700	4.0514	4.47	.	Q . V. .
16.717	4.0575	4.41	.	Q . V. .
16.733	4.0635	4.35	.	Q . . V .
16.750	4.0694	4.28	.	Q . . V .

16.767	4.0752	4.23	.	Q	.	.	V	.
16.783	4.0810	4.19	.	Q	.	.	V	.
16.800	4.0867	4.14	.	Q	.	.	V	.
16.817	4.0923	4.09	.	Q	.	.	V	.
16.833	4.0979	4.05	.	Q	.	.	V	.
16.850	4.1034	4.00	.	Q	.	.	V	.
16.867	4.1089	3.96	.	Q	.	.	V	.
16.883	4.1143	3.91	.	Q	.	.	V	.
16.900	4.1196	3.88	.	Q	.	.	V	.
16.917	4.1249	3.84	.	Q	.	.	V	.
16.933	4.1301	3.81	.	Q	.	.	V	.
16.950	4.1353	3.77	.	Q	.	.	V	.
16.967	4.1405	3.73	.	Q	.	.	V	.
16.983	4.1456	3.70	.	Q	.	.	V	.
17.000	4.1506	3.66	.	Q	.	.	V	.
17.017	4.1556	3.65	.	Q	.	.	V	.
17.033	4.1607	3.68	.	Q	.	.	V	.
17.050	4.1658	3.70	.	Q	.	.	V	.
17.067	4.1709	3.72	.	Q	.	.	V	.
17.083	4.1761	3.74	.	Q	.	.	V	.
17.100	4.1812	3.76	.	Q	.	.	V	.
17.117	4.1864	3.78	.	Q	.	.	V	.
17.133	4.1917	3.80	.	Q	.	.	V	.
17.150	4.1969	3.78	.	Q	.	.	.V	.
17.167	4.2020	3.75	.	Q	.	.	.V	.
17.183	4.2072	3.73	.	Q	.	.	.V	.
17.200	4.2123	3.71	.	Q	.	.	.V	.
17.217	4.2174	3.68	.	Q	.	.	.V	.
17.233	4.2224	3.66	.	Q	.	.	.V	.
17.250	4.2274	3.64	.	Q	.	.	.V	.
17.267	4.2324	3.61	.	Q	.	.	.V	.
17.283	4.2373	3.59	.	Q	.	.	.V	.
17.300	4.2423	3.57	.	Q	.	.	.V	.
17.317	4.2472	3.55	.	Q	.	.	.V	.
17.333	4.2520	3.53	.	Q	.	.	.V	.
17.350	4.2569	3.51	.	Q	.	.	.V	.
17.367	4.2617	3.49	.	Q	.	.	.V	.
17.383	4.2665	3.47	.	Q	.	.	.V	.
17.400	4.2712	3.45	.	Q	.	.	.V	.
17.417	4.2759	3.44	.	Q	.	.	.V	.
17.433	4.2807	3.42	.	Q	.	.	.V	.
17.450	4.2853	3.40	.	Q	.	.	.V	.
17.467	4.2900	3.38	.	Q	.	.	.V	.
17.483	4.2946	3.37	.	Q	.	.	.V	.
17.500	4.2992	3.35	.	Q	.	.	.V	.
17.517	4.3038	3.33	.	Q	.	.	.V	.
17.533	4.3084	3.32	.	Q	.	.	.V	.
17.550	4.3129	3.30	.	Q	.	.	.V	.
17.567	4.3175	3.28	.	Q	.	.	.V	.
17.583	4.3220	3.27	.	Q	.	.	.V	.
17.600	4.3264	3.25	.	Q	.	.	.V	.
17.617	4.3309	3.24	.	Q	.	.	. V	.
17.633	4.3353	3.22	.	Q	.	.	. V	.
17.650	4.3398	3.21	.	Q	.	.	. V	.
17.667	4.3442	3.19	.	Q	.	.	. V	.
17.683	4.3485	3.18	.	Q	.	.	. V	.
17.700	4.3529	3.17	.	Q	.	.	. V	.
17.717	4.3573	3.15	.	Q	.	.	. V	.
17.733	4.3616	3.14	.	Q	.	.	. V	.
17.750	4.3659	3.13	.	Q	.	.	. V	.
17.767	4.3702	3.11	.	Q	.	.	. V	.
17.783	4.3744	3.10	.	Q	.	.	. V	.
17.800	4.3787	3.09	.	Q	.	.	. V	.
17.817	4.3829	3.07	.	Q	.	.	. V	.
17.833	4.3871	3.06	.	Q	.	.	. V	.
17.850	4.3913	3.05	.	Q	.	.	. V	.
17.867	4.3955	3.04	.	Q	.	.	. V	.
17.883	4.3997	3.02	.	Q	.	.	. V	.
17.900	4.4038	3.01	.	Q	.	.	. V	.
17.917	4.4080	3.00	.	Q	.	.	. V	.
17.933	4.4121	2.99	.	Q	.	.	. V	.
17.950	4.4162	2.98	.	Q	.	.	. V	.

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19.167	4.6740	2.31	. Q	.	.	.	V	.
19.183	4.6772	2.30	. Q	.	.	.	V	.
19.200	4.6804	2.30	. Q	.	.	.	V	.
19.217	4.6835	2.29	. Q	.	.	.	V	.
19.233	4.6867	2.29	. Q	.	.	.	V	.
19.250	4.6898	2.28	. Q	.	.	.	V	.
19.267	4.6930	2.28	. Q	.	.	.	V	.
19.283	4.6961	2.27	. Q	.	.	.	V	.
19.300	4.6992	2.26	. Q	.	.	.	V	.
19.317	4.7023	2.26	. Q	.	.	.	V	.
19.333	4.7054	2.25	. Q	.	.	.	V	.
19.350	4.7085	2.25	. Q	.	.	.	V	.
19.367	4.7116	2.24	. Q	.	.	.	V	.
19.383	4.7147	2.24	. Q	.	.	.	V	.
19.400	4.7178	2.23	. Q	.	.	.	V	.
19.417	4.7208	2.23	. Q	.	.	.	V	.
19.433	4.7239	2.22	. Q	.	.	.	V	.
19.450	4.7270	2.22	. Q	.	.	.	V	.
19.467	4.7300	2.22	. Q	.	.	.	V	.
19.483	4.7331	2.21	. Q	.	.	.	V	.
19.500	4.7361	2.21	. Q	.	.	.	V	.
19.517	4.7391	2.20	. Q	.	.	.	V	.
19.533	4.7422	2.20	. Q	.	.	.	V	.
19.550	4.7452	2.19	. Q	.	.	.	V	.
19.567	4.7482	2.19	. Q	.	.	.	V	.
19.583	4.7512	2.18	. Q	.	.	.	V	.
19.600	4.7542	2.18	. Q	.	.	.	V	.
19.617	4.7572	2.17	. Q	.	.	.	V	.
19.633	4.7602	2.17	. Q	.	.	.	V	.
19.650	4.7632	2.16	. Q	.	.	.	V	.
19.667	4.7661	2.16	. Q	.	.	.	V	.
19.683	4.7691	2.16	. Q	.	.	.	V	.
19.700	4.7721	2.15	. Q	.	.	.	V	.
19.717	4.7750	2.15	. Q	.	.	.	V	.
19.733	4.7780	2.14	. Q	.	.	.	V	.
19.750	4.7809	2.14	. Q	.	.	.	V	.
19.767	4.7839	2.13	. Q	.	.	.	V	.
19.783	4.7868	2.13	. Q	.	.	.	V	.
19.800	4.7897	2.13	.Q	.	.	.	V	.
19.817	4.7926	2.12	.Q	.	.	.	V	.
19.833	4.7956	2.12	.Q	.	.	.	V	.
19.850	4.7985	2.11	.Q	.	.	.	V	.
19.867	4.8014	2.11	.Q	.	.	.	V	.
19.883	4.8043	2.10	.Q	.	.	.	V	.
19.900	4.8072	2.10	.Q	.	.	.	V	.
19.917	4.8101	2.10	.Q	.	.	.	V	.
19.933	4.8129	2.09	.Q	.	.	.	V	.
19.950	4.8158	2.09	.Q	.	.	.	V	.
19.967	4.8187	2.09	.Q	.	.	.	V	.
19.983	4.8215	2.08	.Q	.	.	.	V	.
20.000	4.8244	2.08	.Q	.	.	.	V	.
20.017	4.8273	2.07	.Q	.	.	.	V	.
20.033	4.8301	2.07	.Q	.	.	.	V	.
20.050	4.8330	2.07	.Q	.	.	.	V	.
20.067	4.8358	2.06	.Q	.	.	.	V	.
20.083	4.8386	2.06	.Q	.	.	.	V	.
20.100	4.8415	2.05	.Q	.	.	.	V	.
20.117	4.8443	2.05	.Q	.	.	.	V	.
20.133	4.8471	2.05	.Q	.	.	.	V	.
20.150	4.8499	2.04	.Q	.	.	.	V	.
20.167	4.8527	2.04	.Q	.	.	.	V	.
20.183	4.8555	2.04	.Q	.	.	.	V	.
20.200	4.8583	2.03	.Q	.	.	.	V	.
20.217	4.8611	2.03	.Q	.	.	.	V	.
20.233	4.8639	2.03	.Q	.	.	.	V	.
20.250	4.8667	2.02	.Q	.	.	.	V	.
20.267	4.8695	2.02	.Q	.	.	.	V	.
20.283	4.8723	2.01	.Q	.	.	.	V	.
20.300	4.8750	2.01	.Q	.	.	.	V	.
20.317	4.8778	2.01	.Q	.	.	.	V	.
20.333	4.8806	2.00	.Q	.	.	.	V	.
20.350	4.8833	2.00	.Q	.	.	.	V	.

20.367	4.8861	2.00	.Q	.	.	.	V	.
20.383	4.8888	1.99	.Q	.	.	.	V	.
20.400	4.8916	1.99	.Q	.	.	.	V	.
20.417	4.8943	1.99	.Q	.	.	.	V	.
20.433	4.8970	1.98	.Q	.	.	.	V	.
20.450	4.8997	1.98	.Q	.	.	.	V	.
20.467	4.9025	1.98	.Q	.	.	.	V	.
20.483	4.9052	1.97	.Q	.	.	.	V	.
20.500	4.9079	1.97	.Q	.	.	.	V	.
20.517	4.9106	1.97	.Q	.	.	.	V	.
20.533	4.9133	1.96	.Q	.	.	.	V	.
20.550	4.9160	1.96	.Q	.	.	.	V	.
20.567	4.9187	1.96	.Q	.	.	.	V	.
20.583	4.9214	1.95	.Q	.	.	.	V	.
20.600	4.9241	1.95	.Q	.	.	.	V	.
20.617	4.9268	1.95	.Q	.	.	.	V	.
20.633	4.9295	1.94	.Q	.	.	.	V	.
20.650	4.9321	1.94	.Q	.	.	.	V	.
20.667	4.9348	1.94	.Q	.	.	.	V	.
20.683	4.9375	1.94	.Q	.	.	.	V	.
20.700	4.9401	1.93	.Q	.	.	.	V	.
20.717	4.9428	1.93	.Q	.	.	.	V	.
20.733	4.9454	1.93	.Q	.	.	.	V	.
20.750	4.9481	1.92	.Q	.	.	.	V	.
20.767	4.9507	1.92	.Q	.	.	.	V	.
20.783	4.9534	1.92	.Q	.	.	.	V	.
20.800	4.9560	1.91	.Q	.	.	.	V	.
20.817	4.9586	1.91	.Q	.	.	.	V	.
20.833	4.9613	1.91	.Q	.	.	.	V	.
20.850	4.9639	1.91	.Q	.	.	.	V	.
20.867	4.9665	1.90	.Q	.	.	.	V	.
20.883	4.9691	1.90	.Q	.	.	.	V	.
20.900	4.9718	1.90	.Q	.	.	.	V	.
20.917	4.9744	1.89	.Q	.	.	.	V	.
20.933	4.9770	1.89	.Q	.	.	.	V	.
20.950	4.9796	1.89	.Q	.	.	.	V	.
20.967	4.9822	1.89	.Q	.	.	.	V	.
20.983	4.9848	1.88	.Q	.	.	.	V	.
21.000	4.9873	1.88	.Q	.	.	.	V	.
21.017	4.9899	1.88	.Q	.	.	.	V	.
21.033	4.9925	1.87	.Q	.	.	.	V	.
21.050	4.9951	1.87	.Q	.	.	.	V	.
21.067	4.9977	1.87	.Q	.	.	.	V	.
21.083	5.0002	1.87	.Q	.	.	.	V	.
21.100	5.0028	1.86	.Q	.	.	.	V	.
21.117	5.0054	1.86	.Q	.	.	.	V	.
21.133	5.0079	1.86	.Q	.	.	.	V	.
21.150	5.0105	1.86	.Q	.	.	.	V	.
21.167	5.0130	1.85	.Q	.	.	.	V	.
21.183	5.0156	1.85	.Q	.	.	.	V	.
21.200	5.0181	1.85	.Q	.	.	.	V	.
21.217	5.0207	1.84	.Q	.	.	.	V	.
21.233	5.0232	1.84	.Q	.	.	.	V	.
21.250	5.0257	1.84	.Q	.	.	.	V	.
21.267	5.0283	1.84	.Q	.	.	.	V	.
21.283	5.0308	1.83	.Q	.	.	.	V	.
21.300	5.0333	1.83	.Q	.	.	.	V	.
21.317	5.0358	1.83	.Q	.	.	.	V	.
21.333	5.0384	1.83	.Q	.	.	.	V	.
21.350	5.0409	1.82	.Q	.	.	.	V	.
21.367	5.0434	1.82	.Q	.	.	.	V	.
21.383	5.0459	1.82	.Q	.	.	.	V	.
21.400	5.0484	1.82	.Q	.	.	.	V	.
21.417	5.0509	1.81	.Q	.	.	.	V	.
21.433	5.0534	1.81	.Q	.	.	.	V	.
21.450	5.0559	1.81	.Q	.	.	.	V	.
21.467	5.0584	1.81	.Q	.	.	.	V	.
21.483	5.0608	1.80	.Q	.	.	.	V	.
21.500	5.0633	1.80	.Q	.	.	.	V	.
21.517	5.0658	1.80	.Q	.	.	.	V	.
21.533	5.0683	1.80	.Q	.	.	.	V	.
21.550	5.0708	1.79	.Q	.	.	.	V	.

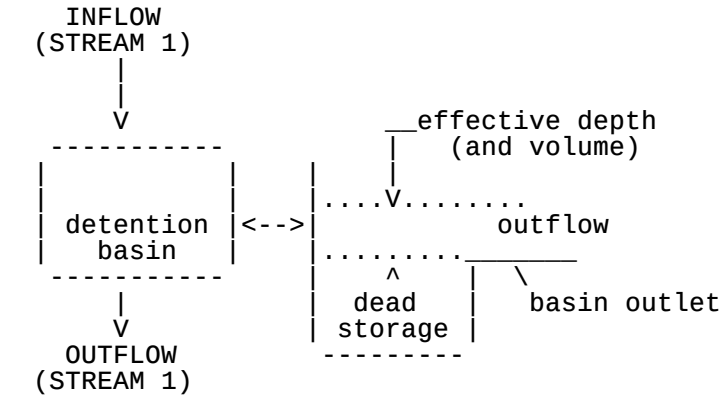
21.567	5.0732	1.79	.Q	.	.	.	V .
21.583	5.0757	1.79	.Q	.	.	.	V .
21.600	5.0782	1.79	.Q	.	.	.	V .
21.617	5.0806	1.79	.Q	.	.	.	V .
21.633	5.0831	1.78	.Q	.	.	.	V .
21.650	5.0855	1.78	.Q	.	.	.	V .
21.667	5.0880	1.78	.Q	.	.	.	V .
21.683	5.0904	1.78	.Q	.	.	.	V .
21.700	5.0929	1.77	.Q	.	.	.	V .
21.717	5.0953	1.77	.Q	.	.	.	V .
21.733	5.0977	1.77	.Q	.	.	.	V .
21.750	5.1002	1.77	.Q	.	.	.	V .
21.767	5.1026	1.76	.Q	.	.	.	V .
21.783	5.1050	1.76	.Q	.	.	.	V .
21.800	5.1074	1.76	.Q	.	.	.	V .
21.817	5.1099	1.76	.Q	.	.	.	V .
21.833	5.1123	1.76	.Q	.	.	.	V .
21.850	5.1147	1.75	.Q	.	.	.	V .
21.867	5.1171	1.75	.Q	.	.	.	V .
21.883	5.1195	1.75	.Q	.	.	.	V .
21.900	5.1219	1.75	.Q	.	.	.	V .
21.917	5.1243	1.74	.Q	.	.	.	V .
21.933	5.1267	1.74	.Q	.	.	.	V .
21.950	5.1291	1.74	.Q	.	.	.	V .
21.967	5.1315	1.74	.Q	.	.	.	V .
21.983	5.1339	1.74	.Q	.	.	.	V .
22.000	5.1363	1.73	.Q	.	.	.	V .
22.017	5.1387	1.73	.Q	.	.	.	V .
22.033	5.1411	1.73	.Q	.	.	.	V .
22.050	5.1434	1.73	.Q	.	.	.	V .
22.067	5.1458	1.73	.Q	.	.	.	V .
22.083	5.1482	1.72	.Q	.	.	.	V .
22.100	5.1506	1.72	.Q	.	.	.	V .
22.117	5.1529	1.72	.Q	.	.	.	V .
22.133	5.1553	1.72	.Q	.	.	.	V .
22.150	5.1577	1.71	.Q	.	.	.	V .
22.167	5.1600	1.71	.Q	.	.	.	V .
22.183	5.1624	1.71	.Q	.	.	.	V .
22.200	5.1647	1.71	.Q	.	.	.	V .
22.217	5.1671	1.71	.Q	.	.	.	V .
22.233	5.1694	1.70	.Q	.	.	.	V .
22.250	5.1718	1.70	.Q	.	.	.	V .
22.267	5.1741	1.70	.Q	.	.	.	V .
22.283	5.1765	1.70	.Q	.	.	.	V .
22.300	5.1788	1.70	.Q	.	.	.	V .
22.317	5.1811	1.69	.Q	.	.	.	V .
22.333	5.1835	1.69	.Q	.	.	.	V .
22.350	5.1858	1.69	.Q	.	.	.	V .
22.367	5.1881	1.69	.Q	.	.	.	V .
22.383	5.1904	1.69	.Q	.	.	.	V .
22.400	5.1927	1.68	.Q	.	.	.	V .
22.417	5.1951	1.68	.Q	.	.	.	V .
22.433	5.1974	1.68	.Q	.	.	.	V .
22.450	5.1997	1.68	.Q	.	.	.	V .
22.467	5.2020	1.68	.Q	.	.	.	V .
22.483	5.2043	1.67	.Q	.	.	.	V .
22.500	5.2066	1.67	.Q	.	.	.	V .
22.517	5.2089	1.67	.Q	.	.	.	V .
22.533	5.2112	1.67	.Q	.	.	.	V .
22.550	5.2135	1.67	.Q	.	.	.	V .
22.567	5.2158	1.67	.Q	.	.	.	V .
22.583	5.2181	1.66	.Q	.	.	.	V .
22.600	5.2204	1.66	.Q	.	.	.	V .
22.617	5.2227	1.66	.Q	.	.	.	V .
22.633	5.2250	1.66	.Q	.	.	.	V .
22.650	5.2272	1.66	.Q	.	.	.	V .
22.667	5.2295	1.65	.Q	.	.	.	V .
22.683	5.2318	1.65	.Q	.	.	.	V .
22.700	5.2341	1.65	.Q	.	.	.	V .
22.717	5.2363	1.65	.Q	.	.	.	V .
22.733	5.2386	1.65	.Q	.	.	.	V .
22.750	5.2409	1.65	.Q	.	.	.	V .

22.767	5.2431	1.64	.Q	.	.	.	V .
22.783	5.2454	1.64	.Q	.	.	.	V .
22.800	5.2477	1.64	.Q	.	.	.	V .
22.817	5.2499	1.64	.Q	.	.	.	V .
22.833	5.2522	1.64	.Q	.	.	.	V .
22.850	5.2544	1.63	.Q	.	.	.	V .
22.867	5.2567	1.63	.Q	.	.	.	V .
22.883	5.2589	1.63	.Q	.	.	.	V .
22.900	5.2612	1.63	.Q	.	.	.	V .
22.917	5.2634	1.63	.Q	.	.	.	V .
22.933	5.2656	1.63	.Q	.	.	.	V .
22.950	5.2679	1.62	.Q	.	.	.	V .
22.967	5.2701	1.62	.Q	.	.	.	V .
22.983	5.2723	1.62	.Q	.	.	.	V .
23.000	5.2746	1.62	.Q	.	.	.	V .
23.017	5.2768	1.62	.Q	.	.	.	V .
23.033	5.2790	1.62	.Q	.	.	.	V.
23.050	5.2812	1.61	.Q	.	.	.	V.
23.067	5.2835	1.61	.Q	.	.	.	V.
23.083	5.2857	1.61	.Q	.	.	.	V.
23.100	5.2879	1.61	.Q	.	.	.	V.
23.117	5.2901	1.61	.Q	.	.	.	V.
23.133	5.2923	1.61	.Q	.	.	.	V.
23.150	5.2945	1.60	.Q	.	.	.	V.
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23.200	5.3012	1.60	.Q	.	.	.	V.
23.217	5.3034	1.60	.Q	.	.	.	V.
23.233	5.3056	1.60	.Q	.	.	.	V.
23.250	5.3077	1.59	.Q	.	.	.	V.
23.267	5.3099	1.59	.Q	.	.	.	V.
23.283	5.3121	1.59	.Q	.	.	.	V.
23.300	5.3143	1.59	.Q	.	.	.	V.
23.317	5.3165	1.59	.Q	.	.	.	V.
23.333	5.3187	1.59	.Q	.	.	.	V.
23.350	5.3209	1.58	.Q	.	.	.	V.
23.367	5.3231	1.58	.Q	.	.	.	V.
23.383	5.3252	1.58	.Q	.	.	.	V.
23.400	5.3274	1.58	.Q	.	.	.	V.
23.417	5.3296	1.58	.Q	.	.	.	V.
23.433	5.3318	1.58	.Q	.	.	.	V.
23.450	5.3339	1.58	.Q	.	.	.	V.
23.467	5.3361	1.57	.Q	.	.	.	V.
23.483	5.3383	1.57	.Q	.	.	.	V.
23.500	5.3404	1.57	.Q	.	.	.	V.
23.517	5.3426	1.57	.Q	.	.	.	V.
23.533	5.3447	1.57	.Q	.	.	.	V.
23.550	5.3469	1.57	.Q	.	.	.	V.
23.567	5.3490	1.56	.Q	.	.	.	V.
23.583	5.3512	1.56	.Q	.	.	.	V.
23.600	5.3534	1.56	.Q	.	.	.	V.
23.617	5.3555	1.56	.Q	.	.	.	V.
23.633	5.3576	1.56	.Q	.	.	.	V.
23.650	5.3598	1.56	.Q	.	.	.	V.
23.667	5.3619	1.56	.Q	.	.	.	V.
23.683	5.3641	1.55	.Q	.	.	.	V.
23.700	5.3662	1.55	.Q	.	.	.	V.
23.717	5.3683	1.55	.Q	.	.	.	V.
23.733	5.3705	1.55	.Q	.	.	.	V.
23.750	5.3726	1.55	.Q	.	.	.	V.
23.767	5.3747	1.55	.Q	.	.	.	V.
23.783	5.3769	1.54	.Q	.	.	.	V.
23.800	5.3790	1.54	.Q	.	.	.	V.
23.817	5.3811	1.54	.Q	.	.	.	V.
23.833	5.3832	1.54	.Q	.	.	.	V.
23.850	5.3854	1.54	.Q	.	.	.	V.
23.867	5.3875	1.54	.Q	.	.	.	V.
23.883	5.3896	1.54	.Q	.	.	.	V.
23.900	5.3917	1.53	.Q	.	.	.	V.
23.917	5.3938	1.53	.Q	.	.	.	V.
23.933	5.3959	1.53	.Q	.	.	.	V.
23.950	5.3980	1.53	.Q	.	.	.	V.

```
  23.967      5.4001      1.53  .Q        .         .         .         V.
  23.983      5.4022      1.53  .Q        .         .         .         V.
  24.000      5.4044      1.53  .Q        .         .         .         V.
  24.017      5.4063      1.42  .Q        .         .         .         V.
  24.033      5.4080      1.22  .Q        .         .         .         V.
  24.050      5.4094      1.02  Q         .         .         .         V.
  24.067      5.4105      0.81  Q         .         .         .         V.
  24.083      5.4114      0.61  Q         .         .         .         V.
  24.100      5.4119      0.41  Q         .         .         .         V.
  24.117      5.4122      0.20  Q         .         .         .         V.
-------------------------------------------------------------------------------
--
   TIME DURATION(minutes) OF PERCENTILES OF ESTIMATED PEAK FLOW RATE:
   (Note: 100% of Peak Flow Rate estimate assumed to have
   an instantaneous time duration)

   Percentile of Estimated              Duration
       Peak Flow Rate                   (minutes)
   ======================             =========
             0%                        1447.0
            10%                         580.0
            20%                         125.0
            30%                          75.0
            40%                          60.0
            50%                          50.0
            60%                          40.0
            70%                          30.0
            80%                          20.0
            90%                          10.0


 ****************************************************************************
   FLOW PROCESS FROM NODE    238.00 TO NODE    238.00 IS CODE = 3.2
 ----------------------------------------------------------------------------
   >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
 ============================================================================
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```
   ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
   THROUGH A FLOW-THROUGH DETENTION BASIN
   SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
     DEAD STORAGE(AF) =      0.000
     SPECIFIED DEAD STORAGE(AF) FILLED =      0.000
     SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =      0.000
     DETENTION BASIN CONSTANT LOSS RATE(CFS) =    0.00


   BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

    INTERVAL    DEPTH      OUTFLOW     STORAGE
     NUMBER      (FT)       (CFS)       (AF)
         1        0.00         0.00      0.000
         2        0.10        23.55      0.002
         3        0.20        23.70      0.018
         4        0.30        23.85      0.056
```

5	0.40	24.01	0.126
6	0.50	24.16	0.226
7	0.60	24.31	0.352
8	0.70	24.45	0.501
9	0.80	24.60	0.671

==========

MODIFIED-PULS BASIN ROUTING MODEL RESULTS(1-MINUTE COMPUTATION INTERVALS):
(Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time; MEAN OUTFLOW is the average value during the unit interval.)

CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
0.017	0.000	0.10	0.00	0.00	0.1	0.000
0.033	0.000	0.30	0.00	0.00	0.3	0.000
0.050	0.000	0.51	0.00	0.00	0.5	0.000
0.067	0.000	0.71	0.00	0.00	0.7	0.000
0.083	0.000	0.91	0.00	0.00	0.9	0.000
0.100	0.000	1.11	0.00	0.01	1.1	0.000
0.117	0.000	1.32	0.00	0.01	1.3	0.000
0.133	0.000	1.49	0.00	0.01	1.5	0.000
0.150	0.000	1.52	0.00	0.01	1.5	0.000
0.167	0.000	1.52	0.00	0.01	1.5	0.000
0.183	0.000	1.52	0.00	0.01	1.5	0.000
0.200	0.000	1.52	0.00	0.01	1.5	0.000
0.217	0.000	1.52	0.00	0.01	1.5	0.000
0.233	0.000	1.52	0.00	0.01	1.5	0.000
0.250	0.000	1.52	0.00	0.01	1.5	0.000
0.267	0.000	1.52	0.00	0.01	1.5	0.000
0.283	0.000	1.52	0.00	0.01	1.5	0.000
0.300	0.000	1.52	0.00	0.01	1.5	0.000
0.317	0.000	1.53	0.00	0.01	1.5	0.000
0.333	0.000	1.53	0.00	0.01	1.5	0.000
0.350	0.000	1.53	0.00	0.01	1.5	0.000
0.367	0.000	1.53	0.00	0.01	1.5	0.000
0.383	0.000	1.53	0.00	0.01	1.5	0.000
0.400	0.000	1.53	0.00	0.01	1.5	0.000
0.417	0.000	1.53	0.00	0.01	1.5	0.000
0.433	0.000	1.53	0.00	0.01	1.5	0.000
0.450	0.000	1.53	0.00	0.01	1.5	0.000
0.467	0.000	1.53	0.00	0.01	1.5	0.000
0.483	0.000	1.53	0.00	0.01	1.5	0.000
0.500	0.000	1.53	0.00	0.01	1.5	0.000
0.517	0.000	1.53	0.00	0.01	1.5	0.000
0.533	0.000	1.53	0.00	0.01	1.5	0.000
0.550	0.000	1.53	0.00	0.01	1.5	0.000
0.567	0.000	1.54	0.00	0.01	1.5	0.000
0.583	0.000	1.54	0.00	0.01	1.5	0.000
0.600	0.000	1.54	0.00	0.01	1.5	0.000
0.617	0.000	1.54	0.00	0.01	1.5	0.000
0.633	0.000	1.54	0.00	0.01	1.5	0.000
0.650	0.000	1.54	0.00	0.01	1.5	0.000
0.667	0.000	1.54	0.00	0.01	1.5	0.000
0.683	0.000	1.54	0.00	0.01	1.5	0.000
0.700	0.000	1.54	0.00	0.01	1.5	0.000
0.717	0.000	1.54	0.00	0.01	1.5	0.000
0.733	0.000	1.54	0.00	0.01	1.5	0.000
0.750	0.000	1.54	0.00	0.01	1.5	0.000
0.767	0.000	1.54	0.00	0.01	1.5	0.000
0.783	0.000	1.54	0.00	0.01	1.5	0.000
0.800	0.000	1.55	0.00	0.01	1.5	0.000
0.817	0.000	1.55	0.00	0.01	1.5	0.000
0.833	0.000	1.55	0.00	0.01	1.5	0.000
0.850	0.000	1.55	0.00	0.01	1.5	0.000
0.867	0.000	1.55	0.00	0.01	1.5	0.000
0.883	0.000	1.55	0.00	0.01	1.6	0.000
0.900	0.000	1.55	0.00	0.01	1.6	0.000
0.917	0.000	1.55	0.00	0.01	1.6	0.000

0.933	0.000	1.55	0.00	0.01	1.6	0.000
0.950	0.000	1.55	0.00	0.01	1.6	0.000
0.967	0.000	1.55	0.00	0.01	1.6	0.000
0.983	0.000	1.55	0.00	0.01	1.6	0.000
1.000	0.000	1.55	0.00	0.01	1.6	0.000
1.017	0.000	1.55	0.00	0.01	1.6	0.000
1.033	0.000	1.56	0.00	0.01	1.6	0.000
1.050	0.000	1.56	0.00	0.01	1.6	0.000
1.067	0.000	1.56	0.00	0.01	1.6	0.000
1.083	0.000	1.56	0.00	0.01	1.6	0.000
1.100	0.000	1.56	0.00	0.01	1.6	0.000
1.117	0.000	1.56	0.00	0.01	1.6	0.000
1.133	0.000	1.56	0.00	0.01	1.6	0.000
1.150	0.000	1.56	0.00	0.01	1.6	0.000
1.167	0.000	1.56	0.00	0.01	1.6	0.000
1.183	0.000	1.56	0.00	0.01	1.6	0.000
1.200	0.000	1.56	0.00	0.01	1.6	0.000
1.217	0.000	1.56	0.00	0.01	1.6	0.000
1.233	0.000	1.56	0.00	0.01	1.6	0.000
1.250	0.000	1.57	0.00	0.01	1.6	0.000
1.267	0.000	1.57	0.00	0.01	1.6	0.000
1.283	0.000	1.57	0.00	0.01	1.6	0.000
1.300	0.000	1.57	0.00	0.01	1.6	0.000
1.317	0.000	1.57	0.00	0.01	1.6	0.000
1.333	0.000	1.57	0.00	0.01	1.6	0.000
1.350	0.000	1.57	0.00	0.01	1.6	0.000
1.367	0.000	1.57	0.00	0.01	1.6	0.000
1.383	0.000	1.57	0.00	0.01	1.6	0.000
1.400	0.000	1.57	0.00	0.01	1.6	0.000
1.417	0.000	1.57	0.00	0.01	1.6	0.000
1.433	0.000	1.58	0.00	0.01	1.6	0.000
1.450	0.000	1.58	0.00	0.01	1.6	0.000
1.467	0.000	1.58	0.00	0.01	1.6	0.000
1.483	0.000	1.58	0.00	0.01	1.6	0.000
1.500	0.000	1.58	0.00	0.01	1.6	0.000
1.517	0.000	1.58	0.00	0.01	1.6	0.000
1.533	0.000	1.58	0.00	0.01	1.6	0.000
1.550	0.000	1.58	0.00	0.01	1.6	0.000
1.567	0.000	1.58	0.00	0.01	1.6	0.000
1.583	0.000	1.58	0.00	0.01	1.6	0.000
1.600	0.000	1.58	0.00	0.01	1.6	0.000
1.617	0.000	1.58	0.00	0.01	1.6	0.000
1.633	0.000	1.59	0.00	0.01	1.6	0.000
1.650	0.000	1.59	0.00	0.01	1.6	0.000
1.667	0.000	1.59	0.00	0.01	1.6	0.000
1.683	0.000	1.59	0.00	0.01	1.6	0.000
1.700	0.000	1.59	0.00	0.01	1.6	0.000
1.717	0.000	1.59	0.00	0.01	1.6	0.000
1.733	0.000	1.59	0.00	0.01	1.6	0.000
1.750	0.000	1.59	0.00	0.01	1.6	0.000
1.767	0.000	1.59	0.00	0.01	1.6	0.000
1.783	0.000	1.59	0.00	0.01	1.6	0.000
1.800	0.000	1.59	0.00	0.01	1.6	0.000
1.817	0.000	1.59	0.00	0.01	1.6	0.000
1.833	0.000	1.59	0.00	0.01	1.6	0.000
1.850	0.000	1.60	0.00	0.01	1.6	0.000
1.867	0.000	1.60	0.00	0.01	1.6	0.000
1.883	0.000	1.60	0.00	0.01	1.6	0.000
1.900	0.000	1.60	0.00	0.01	1.6	0.000
1.917	0.000	1.60	0.00	0.01	1.6	0.000
1.933	0.000	1.60	0.00	0.01	1.6	0.000
1.950	0.000	1.60	0.00	0.01	1.6	0.000
1.967	0.000	1.60	0.00	0.01	1.6	0.000
1.983	0.000	1.60	0.00	0.01	1.6	0.000
2.000	0.000	1.60	0.00	0.01	1.6	0.000
2.017	0.000	1.60	0.00	0.01	1.6	0.000
2.033	0.000	1.60	0.00	0.01	1.6	0.000
2.050	0.000	1.60	0.00	0.01	1.6	0.000
2.067	0.000	1.61	0.00	0.01	1.6	0.000
2.083	0.000	1.61	0.00	0.01	1.6	0.000
2.100	0.000	1.61	0.00	0.01	1.6	0.000
2.117	0.000	1.61	0.00	0.01	1.6	0.000

2.133	0.000	1.61	0.00	0.01	1.6	0.000
2.150	0.000	1.61	0.00	0.01	1.6	0.000
2.167	0.000	1.61	0.00	0.01	1.6	0.000
2.183	0.000	1.61	0.00	0.01	1.6	0.000
2.200	0.000	1.61	0.00	0.01	1.6	0.000
2.217	0.000	1.61	0.00	0.01	1.6	0.000
2.233	0.000	1.61	0.00	0.01	1.6	0.000
2.250	0.000	1.61	0.00	0.01	1.6	0.000
2.267	0.000	1.61	0.00	0.01	1.6	0.000
2.283	0.000	1.62	0.00	0.01	1.6	0.000
2.300	0.000	1.62	0.00	0.01	1.6	0.000
2.317	0.000	1.62	0.00	0.01	1.6	0.000
2.333	0.000	1.62	0.00	0.01	1.6	0.000
2.350	0.000	1.62	0.00	0.01	1.6	0.000
2.367	0.000	1.62	0.00	0.01	1.6	0.000
2.383	0.000	1.62	0.00	0.01	1.6	0.000
2.400	0.000	1.62	0.00	0.01	1.6	0.000
2.417	0.000	1.62	0.00	0.01	1.6	0.000
2.433	0.000	1.62	0.00	0.01	1.6	0.000
2.450	0.000	1.62	0.00	0.01	1.6	0.000
2.467	0.000	1.63	0.00	0.01	1.6	0.000
2.483	0.000	1.63	0.00	0.01	1.6	0.000
2.500	0.000	1.63	0.00	0.01	1.6	0.000
2.517	0.000	1.63	0.00	0.01	1.6	0.000
2.533	0.000	1.63	0.00	0.01	1.6	0.000
2.550	0.000	1.63	0.00	0.01	1.6	0.000
2.567	0.000	1.63	0.00	0.01	1.6	0.000
2.583	0.000	1.63	0.00	0.01	1.6	0.000
2.600	0.000	1.63	0.00	0.01	1.6	0.000
2.617	0.000	1.63	0.00	0.01	1.6	0.000
2.633	0.000	1.64	0.00	0.01	1.6	0.000
2.650	0.000	1.64	0.00	0.01	1.6	0.000
2.667	0.000	1.64	0.00	0.01	1.6	0.000
2.683	0.000	1.64	0.00	0.01	1.6	0.000
2.700	0.000	1.64	0.00	0.01	1.6	0.000
2.717	0.000	1.64	0.00	0.01	1.6	0.000
2.733	0.000	1.64	0.00	0.01	1.6	0.000
2.750	0.000	1.64	0.00	0.01	1.6	0.000
2.767	0.000	1.64	0.00	0.01	1.6	0.000
2.783	0.000	1.64	0.00	0.01	1.6	0.000
2.800	0.000	1.64	0.00	0.01	1.6	0.000
2.817	0.000	1.64	0.00	0.01	1.6	0.000
2.833	0.000	1.65	0.00	0.01	1.6	0.000
2.850	0.000	1.65	0.00	0.01	1.6	0.000
2.867	0.000	1.65	0.00	0.01	1.6	0.000
2.883	0.000	1.65	0.00	0.01	1.6	0.000
2.900	0.000	1.65	0.00	0.01	1.6	0.000
2.917	0.000	1.65	0.00	0.01	1.7	0.000
2.933	0.000	1.65	0.00	0.01	1.7	0.000
2.950	0.000	1.65	0.00	0.01	1.7	0.000
2.967	0.000	1.65	0.00	0.01	1.7	0.000
2.983	0.000	1.65	0.00	0.01	1.7	0.000
3.000	0.000	1.65	0.00	0.01	1.7	0.000
3.017	0.000	1.65	0.00	0.01	1.7	0.000
3.033	0.000	1.66	0.00	0.01	1.7	0.000
3.050	0.000	1.66	0.00	0.01	1.7	0.000
3.067	0.000	1.66	0.00	0.01	1.7	0.000
3.083	0.000	1.66	0.00	0.01	1.7	0.000
3.100	0.000	1.66	0.00	0.01	1.7	0.000
3.117	0.000	1.66	0.00	0.01	1.7	0.000
3.133	0.000	1.66	0.00	0.01	1.7	0.000
3.150	0.000	1.66	0.00	0.01	1.7	0.000
3.167	0.000	1.66	0.00	0.01	1.7	0.000
3.183	0.000	1.66	0.00	0.01	1.7	0.000
3.200	0.000	1.67	0.00	0.01	1.7	0.000
3.217	0.000	1.67	0.00	0.01	1.7	0.000
3.233	0.000	1.67	0.00	0.01	1.7	0.000
3.250	0.000	1.67	0.00	0.01	1.7	0.000
3.267	0.000	1.67	0.00	0.01	1.7	0.000
3.283	0.000	1.67	0.00	0.01	1.7	0.000
3.300	0.000	1.67	0.00	0.01	1.7	0.000
3.317	0.000	1.67	0.00	0.01	1.7	0.000

3.333	0.000	1.67	0.00	0.01	1.7	0.000
3.350	0.000	1.67	0.00	0.01	1.7	0.000
3.367	0.000	1.68	0.00	0.01	1.7	0.000
3.383	0.000	1.68	0.00	0.01	1.7	0.000
3.400	0.000	1.68	0.00	0.01	1.7	0.000
3.417	0.000	1.68	0.00	0.01	1.7	0.000
3.433	0.000	1.68	0.00	0.01	1.7	0.000
3.450	0.000	1.68	0.00	0.01	1.7	0.000
3.467	0.000	1.68	0.00	0.01	1.7	0.000
3.483	0.000	1.68	0.00	0.01	1.7	0.000
3.500	0.000	1.68	0.00	0.01	1.7	0.000
3.517	0.000	1.68	0.00	0.01	1.7	0.000
3.533	0.000	1.68	0.00	0.01	1.7	0.000
3.550	0.000	1.68	0.00	0.01	1.7	0.000
3.567	0.000	1.69	0.00	0.01	1.7	0.000
3.583	0.000	1.69	0.00	0.01	1.7	0.000
3.600	0.000	1.69	0.00	0.01	1.7	0.000
3.617	0.000	1.69	0.00	0.01	1.7	0.000
3.633	0.000	1.69	0.00	0.01	1.7	0.000
3.650	0.000	1.69	0.00	0.01	1.7	0.000
3.667	0.000	1.69	0.00	0.01	1.7	0.000
3.683	0.000	1.69	0.00	0.01	1.7	0.000
3.700	0.000	1.69	0.00	0.01	1.7	0.000
3.717	0.000	1.69	0.00	0.01	1.7	0.000
3.733	0.000	1.70	0.00	0.01	1.7	0.000
3.750	0.000	1.70	0.00	0.01	1.7	0.000
3.767	0.000	1.70	0.00	0.01	1.7	0.000
3.783	0.000	1.70	0.00	0.01	1.7	0.000
3.800	0.000	1.70	0.00	0.01	1.7	0.000
3.817	0.000	1.70	0.00	0.01	1.7	0.000
3.833	0.000	1.70	0.00	0.01	1.7	0.000
3.850	0.000	1.70	0.00	0.01	1.7	0.000
3.867	0.000	1.71	0.00	0.01	1.7	0.000
3.883	0.000	1.71	0.00	0.01	1.7	0.000
3.900	0.000	1.71	0.00	0.01	1.7	0.000
3.917	0.000	1.71	0.00	0.01	1.7	0.000
3.933	0.000	1.71	0.00	0.01	1.7	0.000
3.950	0.000	1.71	0.00	0.01	1.7	0.000
3.967	0.000	1.71	0.00	0.01	1.7	0.000
3.983	0.000	1.71	0.00	0.01	1.7	0.000
4.000	0.000	1.71	0.00	0.01	1.7	0.000
4.017	0.000	1.71	0.00	0.01	1.7	0.000
4.033	0.000	1.71	0.00	0.01	1.7	0.000
4.050	0.000	1.71	0.00	0.01	1.7	0.000
4.067	0.000	1.72	0.00	0.01	1.7	0.000
4.083	0.000	1.72	0.00	0.01	1.7	0.000
4.100	0.000	1.72	0.00	0.01	1.7	0.000
4.117	0.000	1.72	0.00	0.01	1.7	0.000
4.133	0.000	1.72	0.00	0.01	1.7	0.000
4.150	0.000	1.72	0.00	0.01	1.7	0.000
4.167	0.000	1.72	0.00	0.01	1.7	0.000
4.183	0.000	1.72	0.00	0.01	1.7	0.000
4.200	0.000	1.72	0.00	0.01	1.7	0.000
4.217	0.000	1.73	0.00	0.01	1.7	0.000
4.233	0.000	1.73	0.00	0.01	1.7	0.000
4.250	0.000	1.73	0.00	0.01	1.7	0.000
4.267	0.000	1.73	0.00	0.01	1.7	0.000
4.283	0.000	1.73	0.00	0.01	1.7	0.000
4.300	0.000	1.73	0.00	0.01	1.7	0.000
4.317	0.000	1.73	0.00	0.01	1.7	0.000
4.333	0.000	1.73	0.00	0.01	1.7	0.000
4.350	0.000	1.73	0.00	0.01	1.7	0.000
4.367	0.000	1.74	0.00	0.01	1.7	0.000
4.383	0.000	1.74	0.00	0.01	1.7	0.000
4.400	0.000	1.74	0.00	0.01	1.7	0.000
4.417	0.000	1.74	0.00	0.01	1.7	0.000
4.433	0.000	1.74	0.00	0.01	1.7	0.000
4.450	0.000	1.74	0.00	0.01	1.7	0.000
4.467	0.000	1.74	0.00	0.01	1.7	0.000
4.483	0.000	1.74	0.00	0.01	1.7	0.000
4.500	0.000	1.74	0.00	0.01	1.7	0.000
4.517	0.000	1.74	0.00	0.01	1.7	0.000

4.533	0.000	1.75	0.00	0.01	1.7	0.000
4.550	0.000	1.75	0.00	0.01	1.7	0.000
4.567	0.000	1.75	0.00	0.01	1.7	0.000
4.583	0.000	1.75	0.00	0.01	1.7	0.000
4.600	0.000	1.75	0.00	0.01	1.8	0.000
4.617	0.000	1.75	0.00	0.01	1.8	0.000
4.633	0.000	1.75	0.00	0.01	1.8	0.000
4.650	0.000	1.75	0.00	0.01	1.8	0.000
4.667	0.000	1.76	0.00	0.01	1.8	0.000
4.683	0.000	1.76	0.00	0.01	1.8	0.000
4.700	0.000	1.76	0.00	0.01	1.8	0.000
4.717	0.000	1.76	0.00	0.01	1.8	0.000
4.733	0.000	1.76	0.00	0.01	1.8	0.000
4.750	0.000	1.76	0.00	0.01	1.8	0.000
4.767	0.000	1.76	0.00	0.01	1.8	0.000
4.783	0.000	1.76	0.00	0.01	1.8	0.000
4.800	0.000	1.76	0.00	0.01	1.8	0.000
4.817	0.000	1.77	0.00	0.01	1.8	0.000
4.833	0.000	1.77	0.00	0.01	1.8	0.000
4.850	0.000	1.77	0.00	0.01	1.8	0.000
4.867	0.000	1.77	0.00	0.01	1.8	0.000
4.883	0.000	1.77	0.00	0.01	1.8	0.000
4.900	0.000	1.77	0.00	0.01	1.8	0.000
4.917	0.000	1.77	0.00	0.01	1.8	0.000
4.933	0.000	1.77	0.00	0.01	1.8	0.000
4.950	0.000	1.77	0.00	0.01	1.8	0.000
4.967	0.000	1.78	0.00	0.01	1.8	0.000
4.983	0.000	1.78	0.00	0.01	1.8	0.000
5.000	0.000	1.78	0.00	0.01	1.8	0.000
5.017	0.000	1.78	0.00	0.01	1.8	0.000
5.033	0.000	1.78	0.00	0.01	1.8	0.000
5.050	0.000	1.78	0.00	0.01	1.8	0.000
5.067	0.000	1.78	0.00	0.01	1.8	0.000
5.083	0.000	1.78	0.00	0.01	1.8	0.000
5.100	0.000	1.79	0.00	0.01	1.8	0.000
5.117	0.000	1.79	0.00	0.01	1.8	0.000
5.133	0.000	1.79	0.00	0.01	1.8	0.000
5.150	0.000	1.79	0.00	0.01	1.8	0.000
5.167	0.000	1.79	0.00	0.01	1.8	0.000
5.183	0.000	1.79	0.00	0.01	1.8	0.000
5.200	0.000	1.79	0.00	0.01	1.8	0.000
5.217	0.000	1.79	0.00	0.01	1.8	0.000
5.233	0.000	1.79	0.00	0.01	1.8	0.000
5.250	0.000	1.79	0.00	0.01	1.8	0.000
5.267	0.000	1.80	0.00	0.01	1.8	0.000
5.283	0.000	1.80	0.00	0.01	1.8	0.000
5.300	0.000	1.80	0.00	0.01	1.8	0.000
5.317	0.000	1.80	0.00	0.01	1.8	0.000
5.333	0.000	1.80	0.00	0.01	1.8	0.000
5.350	0.000	1.80	0.00	0.01	1.8	0.000
5.367	0.000	1.81	0.00	0.01	1.8	0.000
5.383	0.000	1.81	0.00	0.01	1.8	0.000
5.400	0.000	1.81	0.00	0.01	1.8	0.000
5.417	0.000	1.81	0.00	0.01	1.8	0.000
5.433	0.000	1.81	0.00	0.01	1.8	0.000
5.450	0.000	1.81	0.00	0.01	1.8	0.000
5.467	0.000	1.81	0.00	0.01	1.8	0.000
5.483	0.000	1.81	0.00	0.01	1.8	0.000
5.500	0.000	1.81	0.00	0.01	1.8	0.000
5.517	0.000	1.81	0.00	0.01	1.8	0.000
5.533	0.000	1.82	0.00	0.01	1.8	0.000
5.550	0.000	1.82	0.00	0.01	1.8	0.000
5.567	0.000	1.82	0.00	0.01	1.8	0.000
5.583	0.000	1.82	0.00	0.01	1.8	0.000
5.600	0.000	1.82	0.00	0.01	1.8	0.000
5.617	0.000	1.82	0.00	0.01	1.8	0.000
5.633	0.000	1.83	0.00	0.01	1.8	0.000
5.650	0.000	1.83	0.00	0.01	1.8	0.000
5.667	0.000	1.83	0.00	0.01	1.8	0.000
5.683	0.000	1.83	0.00	0.01	1.8	0.000
5.700	0.000	1.83	0.00	0.01	1.8	0.000
5.717	0.000	1.83	0.00	0.01	1.8	0.000

5.733	0.000	1.83	0.00	0.01	1.8	0.000
5.750	0.000	1.83	0.00	0.01	1.8	0.000
5.767	0.000	1.83	0.00	0.01	1.8	0.000
5.783	0.000	1.83	0.00	0.01	1.8	0.000
5.800	0.000	1.84	0.00	0.01	1.8	0.000
5.817	0.000	1.84	0.00	0.01	1.8	0.000
5.833	0.000	1.84	0.00	0.01	1.8	0.000
5.850	0.000	1.84	0.00	0.01	1.8	0.000
5.867	0.000	1.84	0.00	0.01	1.8	0.000
5.883	0.000	1.84	0.00	0.01	1.8	0.000
5.900	0.000	1.85	0.00	0.01	1.8	0.000
5.917	0.000	1.85	0.00	0.01	1.8	0.000
5.933	0.000	1.85	0.00	0.01	1.8	0.000
5.950	0.000	1.85	0.00	0.01	1.8	0.000
5.967	0.000	1.85	0.00	0.01	1.8	0.000
5.983	0.000	1.85	0.00	0.01	1.8	0.000
6.000	0.000	1.85	0.00	0.01	1.9	0.000
6.017	0.000	1.85	0.00	0.01	1.9	0.000
6.033	0.000	1.85	0.00	0.01	1.9	0.000
6.050	0.000	1.86	0.00	0.01	1.9	0.000
6.067	0.000	1.86	0.00	0.01	1.9	0.000
6.083	0.000	1.86	0.00	0.01	1.9	0.000
6.100	0.000	1.86	0.00	0.01	1.9	0.000
6.117	0.000	1.86	0.00	0.01	1.9	0.000
6.133	0.000	1.86	0.00	0.01	1.9	0.000
6.150	0.000	1.87	0.00	0.01	1.9	0.000
6.167	0.000	1.87	0.00	0.01	1.9	0.000
6.183	0.000	1.87	0.00	0.01	1.9	0.000
6.200	0.000	1.87	0.00	0.01	1.9	0.000
6.217	0.000	1.87	0.00	0.01	1.9	0.000
6.233	0.000	1.87	0.00	0.01	1.9	0.000
6.250	0.000	1.87	0.00	0.01	1.9	0.000
6.267	0.000	1.87	0.00	0.01	1.9	0.000
6.283	0.000	1.87	0.00	0.01	1.9	0.000
6.300	0.000	1.88	0.00	0.01	1.9	0.000
6.317	0.000	1.88	0.00	0.01	1.9	0.000
6.333	0.000	1.88	0.00	0.01	1.9	0.000
6.350	0.000	1.88	0.00	0.01	1.9	0.000
6.367	0.000	1.88	0.00	0.01	1.9	0.000
6.383	0.000	1.89	0.00	0.01	1.9	0.000
6.400	0.000	1.89	0.00	0.01	1.9	0.000
6.417	0.000	1.89	0.00	0.01	1.9	0.000
6.433	0.000	1.89	0.00	0.01	1.9	0.000
6.450	0.000	1.89	0.00	0.01	1.9	0.000
6.467	0.000	1.89	0.00	0.01	1.9	0.000
6.483	0.000	1.89	0.00	0.01	1.9	0.000
6.500	0.000	1.89	0.00	0.01	1.9	0.000
6.517	0.000	1.89	0.00	0.01	1.9	0.000
6.533	0.000	1.90	0.00	0.01	1.9	0.000
6.550	0.000	1.90	0.00	0.01	1.9	0.000
6.567	0.000	1.90	0.00	0.01	1.9	0.000
6.583	0.000	1.90	0.00	0.01	1.9	0.000
6.600	0.000	1.90	0.00	0.01	1.9	0.000
6.617	0.000	1.91	0.00	0.01	1.9	0.000
6.633	0.000	1.91	0.00	0.01	1.9	0.000
6.650	0.000	1.91	0.00	0.01	1.9	0.000
6.667	0.000	1.91	0.00	0.01	1.9	0.000
6.683	0.000	1.91	0.00	0.01	1.9	0.000
6.700	0.000	1.91	0.00	0.01	1.9	0.000
6.717	0.000	1.91	0.00	0.01	1.9	0.000
6.733	0.000	1.91	0.00	0.01	1.9	0.000
6.750	0.000	1.91	0.00	0.01	1.9	0.000
6.767	0.000	1.92	0.00	0.01	1.9	0.000
6.783	0.000	1.92	0.00	0.01	1.9	0.000
6.800	0.000	1.92	0.00	0.01	1.9	0.000
6.817	0.000	1.92	0.00	0.01	1.9	0.000
6.833	0.000	1.92	0.00	0.01	1.9	0.000
6.850	0.000	1.93	0.00	0.01	1.9	0.000
6.867	0.000	1.93	0.00	0.01	1.9	0.000
6.883	0.000	1.93	0.00	0.01	1.9	0.000
6.900	0.000	1.93	0.00	0.01	1.9	0.000
6.917	0.000	1.93	0.00	0.01	1.9	0.000

6.933	0.000	1.93	0.00	0.01	1.9	0.000
6.950	0.000	1.93	0.00	0.01	1.9	0.000
6.967	0.000	1.93	0.00	0.01	1.9	0.000
6.983	0.000	1.94	0.00	0.01	1.9	0.000
7.000	0.000	1.94	0.00	0.01	1.9	0.000
7.017	0.000	1.94	0.00	0.01	1.9	0.000
7.033	0.000	1.94	0.00	0.01	1.9	0.000
7.050	0.000	1.94	0.00	0.01	1.9	0.000
7.067	0.000	1.94	0.00	0.01	1.9	0.000
7.083	0.000	1.95	0.00	0.01	1.9	0.000
7.100	0.000	1.95	0.00	0.01	1.9	0.000
7.117	0.000	1.95	0.00	0.01	2.0	0.000
7.133	0.000	1.95	0.00	0.01	2.0	0.000
7.150	0.000	1.95	0.00	0.01	2.0	0.000
7.167	0.000	1.95	0.00	0.01	2.0	0.000
7.183	0.000	1.96	0.00	0.01	2.0	0.000
7.200	0.000	1.96	0.00	0.01	2.0	0.000
7.217	0.000	1.96	0.00	0.01	2.0	0.000
7.233	0.000	1.96	0.00	0.01	2.0	0.000
7.250	0.000	1.96	0.00	0.01	2.0	0.000
7.267	0.000	1.96	0.00	0.01	2.0	0.000
7.283	0.000	1.96	0.00	0.01	2.0	0.000
7.300	0.000	1.97	0.00	0.01	2.0	0.000
7.317	0.000	1.97	0.00	0.01	2.0	0.000
7.333	0.000	1.97	0.00	0.01	2.0	0.000
7.350	0.000	1.97	0.00	0.01	2.0	0.000
7.367	0.000	1.97	0.00	0.01	2.0	0.000
7.383	0.000	1.98	0.00	0.01	2.0	0.000
7.400	0.000	1.98	0.00	0.01	2.0	0.000
7.417	0.000	1.98	0.00	0.01	2.0	0.000
7.433	0.000	1.98	0.00	0.01	2.0	0.000
7.450	0.000	1.98	0.00	0.01	2.0	0.000
7.467	0.000	1.98	0.00	0.01	2.0	0.000
7.483	0.000	1.98	0.00	0.01	2.0	0.000
7.500	0.000	1.98	0.00	0.01	2.0	0.000
7.517	0.000	1.99	0.00	0.01	2.0	0.000
7.533	0.000	1.99	0.00	0.01	2.0	0.000
7.550	0.000	1.99	0.00	0.01	2.0	0.000
7.567	0.000	1.99	0.00	0.01	2.0	0.000
7.583	0.000	2.00	0.00	0.01	2.0	0.000
7.600	0.000	2.00	0.00	0.01	2.0	0.000
7.617	0.000	2.00	0.00	0.01	2.0	0.000
7.633	0.000	2.00	0.00	0.01	2.0	0.000
7.650	0.000	2.00	0.00	0.01	2.0	0.000
7.667	0.000	2.00	0.00	0.01	2.0	0.000
7.683	0.000	2.01	0.00	0.01	2.0	0.000
7.700	0.000	2.01	0.00	0.01	2.0	0.000
7.717	0.000	2.01	0.00	0.01	2.0	0.000
7.733	0.000	2.01	0.00	0.01	2.0	0.000
7.750	0.000	2.01	0.00	0.01	2.0	0.000
7.767	0.000	2.01	0.00	0.01	2.0	0.000
7.783	0.000	2.01	0.00	0.01	2.0	0.000
7.800	0.000	2.02	0.00	0.01	2.0	0.000
7.817	0.000	2.02	0.00	0.01	2.0	0.000
7.833	0.000	2.02	0.00	0.01	2.0	0.000
7.850	0.000	2.02	0.00	0.01	2.0	0.000
7.867	0.000	2.03	0.00	0.01	2.0	0.000
7.883	0.000	2.03	0.00	0.01	2.0	0.000
7.900	0.000	2.03	0.00	0.01	2.0	0.000
7.917	0.000	2.03	0.00	0.01	2.0	0.000
7.933	0.000	2.03	0.00	0.01	2.0	0.000
7.950	0.000	2.03	0.00	0.01	2.0	0.000
7.967	0.000	2.03	0.00	0.01	2.0	0.000
7.983	0.000	2.04	0.00	0.01	2.0	0.000
8.000	0.000	2.04	0.00	0.01	2.0	0.000
8.017	0.000	2.04	0.00	0.01	2.0	0.000
8.033	0.000	2.04	0.00	0.01	2.0	0.000
8.050	0.000	2.04	0.00	0.01	2.0	0.000
8.067	0.000	2.05	0.00	0.01	2.0	0.000
8.083	0.000	2.05	0.00	0.01	2.0	0.000
8.100	0.000	2.05	0.00	0.01	2.1	0.000
8.117	0.000	2.05	0.00	0.01	2.1	0.000

8.133	0.000	2.06	0.00	0.01	2.1	0.000
8.150	0.000	2.06	0.00	0.01	2.1	0.000
8.167	0.000	2.06	0.00	0.01	2.1	0.000
8.183	0.000	2.06	0.00	0.01	2.1	0.000
8.200	0.000	2.06	0.00	0.01	2.1	0.000
8.217	0.000	2.06	0.00	0.01	2.1	0.000
8.233	0.000	2.06	0.00	0.01	2.1	0.000
8.250	0.000	2.06	0.00	0.01	2.1	0.000
8.267	0.000	2.07	0.00	0.01	2.1	0.000
8.283	0.000	2.07	0.00	0.01	2.1	0.000
8.300	0.000	2.07	0.00	0.01	2.1	0.000
8.317	0.000	2.07	0.00	0.01	2.1	0.000
8.333	0.000	2.08	0.00	0.01	2.1	0.000
8.350	0.000	2.08	0.00	0.01	2.1	0.000
8.367	0.000	2.08	0.00	0.01	2.1	0.000
8.383	0.000	2.08	0.00	0.01	2.1	0.000
8.400	0.000	2.09	0.00	0.01	2.1	0.000
8.417	0.000	2.09	0.00	0.01	2.1	0.000
8.433	0.000	2.09	0.00	0.01	2.1	0.000
8.450	0.000	2.09	0.00	0.01	2.1	0.000
8.467	0.000	2.09	0.00	0.01	2.1	0.000
8.483	0.000	2.09	0.00	0.01	2.1	0.000
8.500	0.000	2.09	0.00	0.01	2.1	0.000
8.517	0.000	2.10	0.00	0.01	2.1	0.000
8.533	0.000	2.10	0.00	0.01	2.1	0.000
8.550	0.000	2.10	0.00	0.01	2.1	0.000
8.567	0.000	2.10	0.00	0.01	2.1	0.000
8.583	0.000	2.11	0.00	0.01	2.1	0.000
8.600	0.000	2.11	0.00	0.01	2.1	0.000
8.617	0.000	2.11	0.00	0.01	2.1	0.000
8.633	0.000	2.11	0.00	0.01	2.1	0.000
8.650	0.000	2.12	0.00	0.01	2.1	0.000
8.667	0.000	2.12	0.00	0.01	2.1	0.000
8.683	0.000	2.12	0.00	0.01	2.1	0.000
8.700	0.000	2.12	0.00	0.01	2.1	0.000
8.717	0.000	2.12	0.00	0.01	2.1	0.000
8.733	0.000	2.12	0.00	0.01	2.1	0.000
8.750	0.000	2.12	0.00	0.01	2.1	0.000
8.767	0.000	2.13	0.00	0.01	2.1	0.000
8.783	0.000	2.13	0.00	0.01	2.1	0.000
8.800	0.000	2.13	0.00	0.01	2.1	0.000
8.817	0.000	2.14	0.00	0.01	2.1	0.000
8.833	0.000	2.14	0.00	0.01	2.1	0.000
8.850	0.000	2.14	0.00	0.01	2.1	0.000
8.867	0.000	2.14	0.00	0.01	2.1	0.000
8.883	0.000	2.15	0.00	0.01	2.1	0.000
8.900	0.000	2.15	0.00	0.01	2.1	0.000
8.917	0.000	2.15	0.00	0.01	2.1	0.000
8.933	0.000	2.15	0.00	0.01	2.2	0.000
8.950	0.000	2.15	0.00	0.01	2.2	0.000
8.967	0.000	2.15	0.00	0.01	2.2	0.000
8.983	0.000	2.16	0.00	0.01	2.2	0.000
9.000	0.000	2.16	0.00	0.01	2.2	0.000
9.017	0.000	2.16	0.00	0.01	2.2	0.000
9.033	0.000	2.16	0.00	0.01	2.2	0.000
9.050	0.000	2.17	0.00	0.01	2.2	0.000
9.067	0.000	2.17	0.00	0.01	2.2	0.000
9.083	0.000	2.17	0.00	0.01	2.2	0.000
9.100	0.000	2.17	0.00	0.01	2.2	0.000
9.117	0.000	2.18	0.00	0.01	2.2	0.000
9.133	0.000	2.18	0.00	0.01	2.2	0.000
9.150	0.000	2.18	0.00	0.01	2.2	0.000
9.167	0.000	2.18	0.00	0.01	2.2	0.000
9.183	0.000	2.18	0.00	0.01	2.2	0.000
9.200	0.000	2.19	0.00	0.01	2.2	0.000
9.217	0.000	2.19	0.00	0.01	2.2	0.000
9.233	0.000	2.19	0.00	0.01	2.2	0.000
9.250	0.000	2.19	0.00	0.01	2.2	0.000
9.267	0.000	2.19	0.00	0.01	2.2	0.000
9.283	0.000	2.20	0.00	0.01	2.2	0.000
9.300	0.000	2.20	0.00	0.01	2.2	0.000
9.317	0.000	2.20	0.00	0.01	2.2	0.000

9.333	0.000	2.21	0.00	0.01	2.2	0.000
9.350	0.000	2.21	0.00	0.01	2.2	0.000
9.367	0.000	2.21	0.00	0.01	2.2	0.000
9.383	0.000	2.21	0.00	0.01	2.2	0.000
9.400	0.000	2.22	0.00	0.01	2.2	0.000
9.417	0.000	2.22	0.00	0.01	2.2	0.000
9.433	0.000	2.22	0.00	0.01	2.2	0.000
9.450	0.000	2.22	0.00	0.01	2.2	0.000
9.467	0.000	2.22	0.00	0.01	2.2	0.000
9.483	0.000	2.22	0.00	0.01	2.2	0.000
9.500	0.000	2.23	0.00	0.01	2.2	0.000
9.517	0.000	2.23	0.00	0.01	2.2	0.000
9.533	0.000	2.23	0.00	0.01	2.2	0.000
9.550	0.000	2.24	0.00	0.01	2.2	0.000
9.567	0.000	2.24	0.00	0.01	2.2	0.000
9.583	0.000	2.24	0.00	0.01	2.2	0.000
9.600	0.000	2.25	0.00	0.01	2.2	0.000
9.617	0.000	2.25	0.00	0.01	2.2	0.000
9.633	0.000	2.25	0.00	0.01	2.3	0.000
9.650	0.000	2.25	0.00	0.01	2.3	0.000
9.667	0.000	2.26	0.00	0.01	2.3	0.000
9.683	0.000	2.26	0.00	0.01	2.3	0.000
9.700	0.000	2.26	0.00	0.01	2.3	0.000
9.717	0.000	2.26	0.00	0.01	2.3	0.000
9.733	0.000	2.26	0.00	0.01	2.3	0.000
9.750	0.000	2.26	0.00	0.01	2.3	0.000
9.767	0.000	2.27	0.00	0.01	2.3	0.000
9.783	0.000	2.27	0.00	0.01	2.3	0.000
9.800	0.000	2.27	0.00	0.01	2.3	0.000
9.817	0.000	2.28	0.00	0.01	2.3	0.000
9.833	0.000	2.28	0.00	0.01	2.3	0.000
9.850	0.000	2.28	0.00	0.01	2.3	0.000
9.867	0.000	2.29	0.00	0.01	2.3	0.000
9.883	0.000	2.29	0.00	0.01	2.3	0.000
9.900	0.000	2.29	0.00	0.01	2.3	0.000
9.917	0.000	2.29	0.00	0.01	2.3	0.000
9.933	0.000	2.30	0.00	0.01	2.3	0.000
9.950	0.000	2.30	0.00	0.01	2.3	0.000
9.967	0.000	2.30	0.00	0.01	2.3	0.000
9.983	0.000	2.30	0.00	0.01	2.3	0.000
10.000	0.000	2.30	0.00	0.01	2.3	0.000
10.017	0.000	2.31	0.00	0.01	2.3	0.000
10.033	0.000	2.31	0.00	0.01	2.3	0.000
10.050	0.000	2.31	0.00	0.01	2.3	0.000
10.067	0.000	2.32	0.00	0.01	2.3	0.000
10.083	0.000	2.32	0.00	0.01	2.3	0.000
10.100	0.000	2.32	0.00	0.01	2.3	0.000
10.117	0.000	2.33	0.00	0.01	2.3	0.000
10.133	0.000	2.33	0.00	0.01	2.3	0.000
10.150	0.000	2.33	0.00	0.01	2.3	0.000
10.167	0.000	2.34	0.00	0.01	2.3	0.000
10.183	0.000	2.34	0.00	0.01	2.3	0.000
10.200	0.000	2.34	0.00	0.01	2.3	0.000
10.217	0.000	2.34	0.00	0.01	2.3	0.000
10.233	0.000	2.34	0.00	0.01	2.3	0.000
10.250	0.000	2.35	0.00	0.01	2.3	0.000
10.267	0.000	2.35	0.00	0.01	2.3	0.000
10.283	0.000	2.35	0.00	0.01	2.4	0.000
10.300	0.000	2.36	0.00	0.01	2.4	0.000
10.317	0.000	2.36	0.00	0.01	2.4	0.000
10.333	0.000	2.36	0.00	0.01	2.4	0.000
10.350	0.000	2.37	0.00	0.01	2.4	0.000
10.367	0.000	2.37	0.00	0.01	2.4	0.000
10.383	0.000	2.38	0.00	0.01	2.4	0.000
10.400	0.000	2.38	0.00	0.01	2.4	0.000
10.417	0.000	2.38	0.00	0.01	2.4	0.000
10.433	0.000	2.38	0.00	0.01	2.4	0.000
10.450	0.000	2.38	0.00	0.01	2.4	0.000
10.467	0.000	2.39	0.00	0.01	2.4	0.000
10.483	0.000	2.39	0.00	0.01	2.4	0.000
10.500	0.000	2.39	0.00	0.01	2.4	0.000
10.517	0.000	2.39	0.00	0.01	2.4	0.000

10.533	0.000	2.40	0.00	0.01	2.4	0.000
10.550	0.000	2.40	0.00	0.01	2.4	0.000
10.567	0.000	2.41	0.00	0.01	2.4	0.000
10.583	0.000	2.41	0.00	0.01	2.4	0.000
10.600	0.000	2.41	0.00	0.01	2.4	0.000
10.617	0.000	2.42	0.00	0.01	2.4	0.000
10.633	0.000	2.42	0.00	0.01	2.4	0.000
10.650	0.000	2.43	0.00	0.01	2.4	0.000
10.667	0.000	2.43	0.00	0.01	2.4	0.000
10.683	0.000	2.43	0.00	0.01	2.4	0.000
10.700	0.000	2.43	0.00	0.01	2.4	0.000
10.717	0.000	2.43	0.00	0.01	2.4	0.000
10.733	0.000	2.44	0.00	0.01	2.4	0.000
10.750	0.000	2.44	0.00	0.01	2.4	0.000
10.767	0.000	2.44	0.00	0.01	2.4	0.000
10.783	0.000	2.45	0.00	0.01	2.4	0.000
10.800	0.000	2.45	0.00	0.01	2.5	0.000
10.817	0.000	2.46	0.00	0.01	2.5	0.000
10.833	0.000	2.46	0.00	0.01	2.5	0.000
10.850	0.000	2.46	0.00	0.01	2.5	0.000
10.867	0.000	2.47	0.00	0.01	2.5	0.000
10.883	0.000	2.47	0.00	0.01	2.5	0.000
10.900	0.000	2.48	0.00	0.01	2.5	0.000
10.917	0.000	2.48	0.00	0.01	2.5	0.000
10.933	0.000	2.48	0.00	0.01	2.5	0.000
10.950	0.000	2.48	0.00	0.01	2.5	0.000
10.967	0.000	2.48	0.00	0.01	2.5	0.000
10.983	0.000	2.49	0.00	0.01	2.5	0.000
11.000	0.000	2.49	0.00	0.01	2.5	0.000
11.017	0.000	2.49	0.00	0.01	2.5	0.000
11.033	0.000	2.50	0.00	0.01	2.5	0.000
11.050	0.000	2.50	0.00	0.01	2.5	0.000
11.067	0.000	2.51	0.00	0.01	2.5	0.000
11.083	0.000	2.51	0.00	0.01	2.5	0.000
11.100	0.000	2.52	0.00	0.01	2.5	0.000
11.117	0.000	2.52	0.00	0.01	2.5	0.000
11.133	0.000	2.53	0.00	0.01	2.5	0.000
11.150	0.000	2.53	0.00	0.01	2.5	0.000
11.167	0.000	2.53	0.00	0.01	2.5	0.000
11.183	0.000	2.53	0.00	0.01	2.5	0.000
11.200	0.000	2.54	0.00	0.01	2.5	0.000
11.217	0.000	2.54	0.00	0.01	2.5	0.000
11.233	0.000	2.54	0.00	0.01	2.5	0.000
11.250	0.000	2.54	0.00	0.01	2.5	0.000
11.267	0.000	2.55	0.00	0.01	2.5	0.000
11.283	0.000	2.55	0.00	0.01	2.6	0.000
11.300	0.000	2.56	0.00	0.01	2.6	0.000
11.317	0.000	2.56	0.00	0.01	2.6	0.000
11.333	0.000	2.57	0.00	0.01	2.6	0.000
11.350	0.000	2.57	0.00	0.01	2.6	0.000
11.367	0.000	2.58	0.00	0.01	2.6	0.000
11.383	0.000	2.58	0.00	0.01	2.6	0.000
11.400	0.000	2.59	0.00	0.01	2.6	0.000
11.417	0.000	2.59	0.00	0.01	2.6	0.000
11.433	0.000	2.59	0.00	0.01	2.6	0.000
11.450	0.000	2.60	0.00	0.01	2.6	0.000
11.467	0.000	2.60	0.00	0.01	2.6	0.000
11.483	0.000	2.60	0.00	0.01	2.6	0.000
11.500	0.000	2.60	0.00	0.01	2.6	0.000
11.517	0.000	2.61	0.00	0.01	2.6	0.000
11.533	0.000	2.61	0.00	0.01	2.6	0.000
11.550	0.000	2.62	0.00	0.01	2.6	0.000
11.567	0.000	2.62	0.00	0.01	2.6	0.000
11.583	0.000	2.63	0.00	0.01	2.6	0.000
11.600	0.000	2.64	0.00	0.01	2.6	0.000
11.617	0.000	2.64	0.00	0.01	2.6	0.000
11.633	0.000	2.65	0.00	0.01	2.6	0.000
11.650	0.000	2.65	0.00	0.01	2.6	0.000
11.667	0.000	2.65	0.00	0.01	2.7	0.000
11.683	0.000	2.66	0.00	0.01	2.7	0.000
11.700	0.000	2.66	0.00	0.01	2.7	0.000
11.717	0.000	2.66	0.00	0.01	2.7	0.000

11.733	0.000	2.66	0.00	0.01	2.7	0.000
11.750	0.000	2.67	0.00	0.01	2.7	0.000
11.767	0.000	2.67	0.00	0.01	2.7	0.000
11.783	0.000	2.68	0.00	0.01	2.7	0.000
11.800	0.000	2.68	0.00	0.01	2.7	0.000
11.817	0.000	2.69	0.00	0.01	2.7	0.000
11.833	0.000	2.70	0.00	0.01	2.7	0.000
11.850	0.000	2.70	0.00	0.01	2.7	0.000
11.867	0.000	2.71	0.00	0.01	2.7	0.000
11.883	0.000	2.71	0.00	0.01	2.7	0.000
11.900	0.000	2.72	0.00	0.01	2.7	0.000
11.917	0.000	2.72	0.00	0.01	2.7	0.000
11.933	0.000	2.72	0.00	0.01	2.7	0.000
11.950	0.000	2.73	0.00	0.01	2.7	0.000
11.967	0.000	2.73	0.00	0.01	2.7	0.000
11.983	0.000	2.73	0.00	0.01	2.7	0.000
12.000	0.000	2.74	0.00	0.01	2.7	0.000
12.017	0.000	2.75	0.00	0.01	2.7	0.000
12.033	0.000	2.77	0.00	0.01	2.8	0.000
12.050	0.000	2.79	0.00	0.01	2.8	0.000
12.067	0.000	2.81	0.00	0.01	2.8	0.000
12.083	0.000	2.83	0.00	0.01	2.8	0.000
12.100	0.000	2.85	0.00	0.01	2.8	0.000
12.117	0.000	2.87	0.00	0.01	2.9	0.000
12.133	0.000	2.89	0.00	0.01	2.9	0.000
12.150	0.000	2.89	0.00	0.01	2.9	0.000
12.167	0.000	2.90	0.00	0.01	2.9	0.000
12.183	0.000	2.90	0.00	0.01	2.9	0.000
12.200	0.000	2.90	0.00	0.01	2.9	0.000
12.217	0.000	2.91	0.00	0.01	2.9	0.000
12.233	0.000	2.91	0.00	0.01	2.9	0.000
12.250	0.000	2.91	0.00	0.01	2.9	0.000
12.267	0.000	2.92	0.00	0.01	2.9	0.000
12.283	0.000	2.92	0.00	0.01	2.9	0.000
12.300	0.000	2.93	0.00	0.01	2.9	0.000
12.317	0.000	2.94	0.00	0.01	2.9	0.000
12.333	0.000	2.95	0.00	0.01	2.9	0.000
12.350	0.000	2.95	0.00	0.01	3.0	0.000
12.367	0.000	2.96	0.00	0.01	3.0	0.000
12.383	0.000	2.97	0.00	0.01	3.0	0.000
12.400	0.000	2.97	0.00	0.01	3.0	0.000
12.417	0.000	2.98	0.00	0.01	3.0	0.000
12.433	0.000	2.98	0.00	0.01	3.0	0.000
12.450	0.000	2.98	0.00	0.01	3.0	0.000
12.467	0.000	2.99	0.00	0.01	3.0	0.000
12.483	0.000	2.99	0.00	0.01	3.0	0.000
12.500	0.000	2.99	0.00	0.01	3.0	0.000
12.517	0.000	3.00	0.00	0.01	3.0	0.000
12.533	0.000	3.01	0.00	0.01	3.0	0.000
12.550	0.000	3.02	0.00	0.01	3.0	0.000
12.567	0.000	3.02	0.00	0.01	3.0	0.000
12.583	0.000	3.03	0.00	0.01	3.0	0.000
12.600	0.000	3.04	0.00	0.01	3.0	0.000
12.617	0.000	3.05	0.00	0.01	3.0	0.000
12.633	0.000	3.05	0.00	0.01	3.1	0.000
12.650	0.000	3.06	0.00	0.01	3.1	0.000
12.667	0.000	3.06	0.00	0.01	3.1	0.000
12.683	0.000	3.07	0.00	0.01	3.1	0.000
12.700	0.000	3.07	0.00	0.01	3.1	0.000
12.717	0.000	3.08	0.00	0.01	3.1	0.000
12.733	0.000	3.08	0.00	0.01	3.1	0.000
12.750	0.000	3.08	0.00	0.01	3.1	0.000
12.767	0.000	3.09	0.00	0.01	3.1	0.000
12.783	0.000	3.10	0.00	0.01	3.1	0.000
12.800	0.000	3.11	0.00	0.01	3.1	0.000
12.817	0.000	3.12	0.00	0.01	3.1	0.000
12.833	0.000	3.13	0.00	0.01	3.1	0.000
12.850	0.000	3.13	0.00	0.01	3.1	0.000
12.867	0.000	3.14	0.00	0.01	3.1	0.000
12.883	0.000	3.15	0.00	0.01	3.2	0.000
12.900	0.000	3.16	0.00	0.01	3.2	0.000
12.917	0.000	3.16	0.00	0.01	3.2	0.000

12.933	0.000	3.17	0.00	0.01	3.2	0.000
12.950	0.000	3.17	0.00	0.01	3.2	0.000
12.967	0.000	3.17	0.00	0.01	3.2	0.000
12.983	0.000	3.18	0.00	0.01	3.2	0.000
13.000	0.000	3.18	0.00	0.01	3.2	0.000
13.017	0.000	3.19	0.00	0.01	3.2	0.000
13.033	0.000	3.20	0.00	0.01	3.2	0.000
13.050	0.000	3.21	0.00	0.01	3.2	0.000
13.067	0.000	3.22	0.00	0.01	3.2	0.000
13.083	0.000	3.23	0.00	0.01	3.2	0.000
13.100	0.000	3.24	0.00	0.01	3.2	0.000
13.117	0.000	3.25	0.00	0.01	3.2	0.000
13.133	0.000	3.26	0.00	0.01	3.3	0.000
13.150	0.000	3.26	0.00	0.01	3.3	0.000
13.167	0.000	3.27	0.00	0.01	3.3	0.000
13.183	0.000	3.28	0.00	0.01	3.3	0.000
13.200	0.000	3.28	0.00	0.01	3.3	0.000
13.217	0.000	3.29	0.00	0.01	3.3	0.000
13.233	0.000	3.29	0.00	0.01	3.3	0.000
13.250	0.000	3.30	0.00	0.01	3.3	0.000
13.267	0.000	3.30	0.00	0.01	3.3	0.000
13.283	0.000	3.31	0.00	0.01	3.3	0.000
13.300	0.000	3.33	0.00	0.01	3.3	0.000
13.317	0.000	3.34	0.00	0.01	3.3	0.000
13.333	0.000	3.35	0.00	0.01	3.3	0.000
13.350	0.000	3.36	0.00	0.01	3.4	0.000
13.367	0.000	3.37	0.00	0.01	3.4	0.000
13.383	0.000	3.38	0.00	0.01	3.4	0.000
13.400	0.000	3.39	0.00	0.01	3.4	0.000
13.417	0.000	3.39	0.00	0.01	3.4	0.000
13.433	0.000	3.40	0.00	0.01	3.4	0.000
13.450	0.000	3.40	0.00	0.01	3.4	0.000
13.467	0.000	3.41	0.00	0.01	3.4	0.000
13.483	0.000	3.42	0.00	0.01	3.4	0.000
13.500	0.000	3.42	0.00	0.01	3.4	0.000
13.517	0.000	3.43	0.00	0.01	3.4	0.000
13.533	0.000	3.44	0.00	0.01	3.4	0.000
13.550	0.000	3.46	0.00	0.01	3.5	0.000
13.567	0.000	3.47	0.00	0.01	3.5	0.000
13.583	0.000	3.48	0.00	0.01	3.5	0.000
13.600	0.000	3.49	0.00	0.01	3.5	0.000
13.617	0.000	3.51	0.00	0.01	3.5	0.000
13.633	0.000	3.52	0.00	0.01	3.5	0.000
13.650	0.000	3.53	0.00	0.01	3.5	0.000
13.667	0.000	3.53	0.00	0.02	3.5	0.000
13.683	0.000	3.54	0.00	0.02	3.5	0.000
13.700	0.000	3.55	0.00	0.02	3.5	0.000
13.717	0.000	3.55	0.00	0.02	3.6	0.000
13.733	0.000	3.56	0.00	0.02	3.6	0.000
13.750	0.000	3.57	0.00	0.02	3.6	0.000
13.767	0.000	3.58	0.00	0.02	3.6	0.000
13.783	0.000	3.59	0.00	0.02	3.6	0.000
13.800	0.000	3.61	0.00	0.02	3.6	0.000
13.817	0.000	3.62	0.00	0.02	3.6	0.000
13.833	0.000	3.64	0.00	0.02	3.6	0.000
13.850	0.000	3.65	0.00	0.02	3.6	0.000
13.867	0.000	3.67	0.00	0.02	3.7	0.000
13.883	0.000	3.68	0.00	0.02	3.7	0.000
13.900	0.000	3.69	0.00	0.02	3.7	0.000
13.917	0.000	3.70	0.00	0.02	3.7	0.000
13.933	0.000	3.70	0.00	0.02	3.7	0.000
13.950	0.000	3.71	0.00	0.02	3.7	0.000
13.967	0.000	3.72	0.00	0.02	3.7	0.000
13.983	0.000	3.73	0.00	0.02	3.7	0.000
14.000	0.000	3.74	0.00	0.02	3.7	0.000
14.017	0.000	3.72	0.00	0.02	3.7	0.000
14.033	0.000	3.69	0.00	0.02	3.7	0.000
14.050	0.000	3.66	0.00	0.02	3.7	0.000
14.067	0.000	3.62	0.00	0.02	3.6	0.000
14.083	0.000	3.59	0.00	0.02	3.6	0.000
14.100	0.000	3.56	0.00	0.02	3.6	0.000
14.117	0.000	3.53	0.00	0.01	3.5	0.000

14.133	0.000	3.50	0.00	0.01	3.5	0.000
14.150	0.000	3.50	0.00	0.01	3.5	0.000
14.167	0.000	3.51	0.00	0.01	3.5	0.000
14.183	0.000	3.52	0.00	0.01	3.5	0.000
14.200	0.000	3.53	0.00	0.02	3.5	0.000
14.217	0.000	3.54	0.00	0.02	3.5	0.000
14.233	0.000	3.55	0.00	0.02	3.6	0.000
14.250	0.000	3.56	0.00	0.02	3.6	0.000
14.267	0.000	3.58	0.00	0.02	3.6	0.000
14.283	0.000	3.60	0.00	0.02	3.6	0.000
14.300	0.000	3.62	0.00	0.02	3.6	0.000
14.317	0.000	3.64	0.00	0.02	3.6	0.000
14.333	0.000	3.66	0.00	0.02	3.7	0.000
14.350	0.000	3.68	0.00	0.02	3.7	0.000
14.367	0.000	3.71	0.00	0.02	3.7	0.000
14.383	0.000	3.73	0.00	0.02	3.7	0.000
14.400	0.000	3.74	0.00	0.02	3.7	0.000
14.417	0.000	3.75	0.00	0.02	3.7	0.000
14.433	0.000	3.76	0.00	0.02	3.8	0.000
14.450	0.000	3.77	0.00	0.02	3.8	0.000
14.467	0.000	3.79	0.00	0.02	3.8	0.000
14.483	0.000	3.80	0.00	0.02	3.8	0.000
14.500	0.000	3.81	0.00	0.02	3.8	0.000
14.517	0.000	3.83	0.00	0.02	3.8	0.000
14.533	0.000	3.86	0.00	0.02	3.9	0.000
14.550	0.000	3.88	0.00	0.02	3.9	0.000
14.567	0.000	3.91	0.00	0.02	3.9	0.000
14.583	0.000	3.94	0.00	0.02	3.9	0.000
14.600	0.000	3.96	0.00	0.02	4.0	0.000
14.617	0.000	3.99	0.00	0.02	4.0	0.000
14.633	0.000	4.01	0.00	0.02	4.0	0.000
14.650	0.000	4.03	0.00	0.02	4.0	0.000
14.667	0.000	4.05	0.00	0.02	4.0	0.000
14.683	0.000	4.06	0.00	0.02	4.1	0.000
14.700	0.000	4.08	0.00	0.02	4.1	0.000
14.717	0.000	4.09	0.00	0.02	4.1	0.000
14.733	0.000	4.11	0.00	0.02	4.1	0.000
14.750	0.000	4.12	0.00	0.02	4.1	0.000
14.767	0.000	4.15	0.00	0.02	4.1	0.000
14.783	0.000	4.18	0.00	0.02	4.2	0.000
14.800	0.000	4.22	0.00	0.02	4.2	0.000
14.817	0.000	4.25	0.00	0.02	4.2	0.000
14.833	0.000	4.29	0.00	0.02	4.3	0.000
14.850	0.000	4.32	0.00	0.02	4.3	0.000
14.867	0.000	4.35	0.00	0.02	4.4	0.000
14.883	0.000	4.39	0.00	0.02	4.4	0.000
14.900	0.000	4.41	0.00	0.02	4.4	0.000
14.917	0.000	4.43	0.00	0.02	4.4	0.000
14.933	0.000	4.45	0.00	0.02	4.4	0.000
14.950	0.000	4.47	0.00	0.02	4.5	0.000
14.967	0.000	4.49	0.00	0.02	4.5	0.000
14.983	0.000	4.51	0.00	0.02	4.5	0.000
15.000	0.000	4.53	0.00	0.02	4.5	0.000
15.017	0.000	4.57	0.00	0.02	4.6	0.000
15.033	0.000	4.62	0.00	0.02	4.6	0.000
15.050	0.000	4.67	0.00	0.02	4.7	0.000
15.067	0.000	4.73	0.00	0.02	4.7	0.000
15.083	0.000	4.78	0.00	0.02	4.8	0.000
15.100	0.000	4.83	0.00	0.02	4.8	0.000
15.117	0.000	4.88	0.00	0.02	4.9	0.000
15.133	0.000	4.94	0.00	0.02	4.9	0.000
15.150	0.000	4.97	0.00	0.02	5.0	0.000
15.167	0.000	5.00	0.00	0.02	5.0	0.000
15.183	0.000	5.04	0.00	0.02	5.0	0.000
15.200	0.000	5.07	0.00	0.02	5.1	0.000
15.217	0.000	5.10	0.00	0.02	5.1	0.000
15.233	0.000	5.13	0.00	0.02	5.1	0.000
15.250	0.000	5.17	0.00	0.02	5.2	0.000
15.267	0.000	5.23	0.00	0.02	5.2	0.000
15.283	0.000	5.31	0.00	0.02	5.3	0.000
15.300	0.000	5.39	0.00	0.02	5.4	0.000
15.317	0.000	5.47	0.00	0.02	5.5	0.000

15.333	0.000	5.55	0.00	0.02	5.5	0.000
15.350	0.000	5.63	0.00	0.02	5.6	0.000
15.367	0.000	5.72	0.00	0.02	5.7	0.000
15.383	0.000	5.77	0.00	0.02	5.8	0.000
15.400	0.000	5.66	0.00	0.02	5.7	0.000
15.417	0.000	5.52	0.00	0.02	5.5	0.000
15.433	0.000	5.39	0.00	0.02	5.4	0.000
15.450	0.000	5.25	0.00	0.02	5.3	0.000
15.467	0.000	5.11	0.00	0.02	5.1	0.000
15.483	0.000	4.97	0.00	0.02	5.0	0.000
15.500	0.000	4.84	0.00	0.02	4.8	0.000
15.517	0.000	4.84	0.00	0.02	4.8	0.000
15.533	0.000	4.99	0.00	0.02	5.0	0.000
15.550	0.000	5.13	0.00	0.02	5.1	0.000
15.567	0.000	5.27	0.00	0.02	5.3	0.000
15.583	0.000	5.42	0.00	0.02	5.4	0.000
15.600	0.000	5.56	0.00	0.02	5.6	0.000
15.617	0.000	5.71	0.00	0.02	5.7	0.000
15.633	0.000	5.85	0.00	0.03	5.8	0.001
15.650	0.000	5.96	0.00	0.03	6.0	0.001
15.667	0.000	6.07	0.00	0.03	6.1	0.001
15.683	0.000	6.18	0.00	0.03	6.2	0.001
15.700	0.000	6.29	0.00	0.03	6.3	0.001
15.717	0.000	6.40	0.00	0.03	6.4	0.001
15.733	0.000	6.51	0.00	0.03	6.5	0.001
15.750	0.000	6.62	0.00	0.03	6.6	0.001
15.767	0.000	6.86	0.00	0.03	6.8	0.001
15.783	0.000	7.23	0.00	0.03	7.2	0.001
15.800	0.000	7.61	0.00	0.03	7.6	0.001
15.817	0.000	7.98	0.00	0.03	8.0	0.001
15.833	0.000	8.36	0.00	0.04	8.3	0.001
15.850	0.000	8.73	0.00	0.04	8.7	0.001
15.867	0.000	9.11	0.00	0.04	9.1	0.001
15.883	0.000	9.50	0.00	0.04	9.5	0.001
15.900	0.000	9.99	0.00	0.04	10.0	0.001
15.917	0.000	10.49	0.00	0.05	10.5	0.001
15.933	0.000	11.00	0.00	0.05	11.0	0.001
15.950	0.000	11.50	0.00	0.05	11.5	0.001
15.967	0.000	12.01	0.00	0.05	12.0	0.001
15.983	0.000	12.51	0.00	0.05	12.5	0.001
16.000	0.000	13.02	0.00	0.06	13.0	0.001
16.017	0.000	15.22	0.00	0.07	15.0	0.001
16.033	0.000	19.13	0.00	0.09	18.9	0.002
16.050	0.000	23.04	0.00	0.11	22.3	0.003
16.067	0.000	26.94	0.00	0.13	23.6	0.007
16.083	0.000	30.85	0.00	0.20	23.6	0.017
16.100	0.000	34.76	0.00	0.24	23.7	0.033
16.117	0.000	38.67	0.00	0.29	23.8	0.053
16.133	0.000	42.57	0.00	0.33	23.9	0.079
16.150	0.000	37.91	0.00	0.36	23.9	0.098
16.167	0.000	33.25	0.00	0.38	24.0	0.111
16.183	0.000	28.59	0.00	0.39	24.0	0.117
16.200	0.000	23.93	0.00	0.39	24.0	0.117
16.217	0.000	19.26	0.00	0.38	24.0	0.111
16.233	0.000	14.60	0.00	0.36	24.0	0.098
16.250	0.000	9.94	0.00	0.33	23.9	0.079
16.267	0.000	7.45	0.00	0.30	23.9	0.056
16.283	0.000	7.14	0.00	0.24	23.8	0.033
16.300	0.000	6.82	0.00	0.15	23.7	0.010
16.317	0.000	6.51	0.00	0.01	13.3	0.000
16.333	0.000	6.19	0.00	0.04	5.8	0.001
16.350	0.000	5.88	0.00	0.02	6.2	0.000
16.367	0.000	5.56	0.00	0.03	5.4	0.001
16.383	0.000	5.29	0.00	0.02	5.5	0.000
16.400	0.000	5.27	0.00	0.03	5.1	0.001
16.417	0.000	5.30	0.00	0.02	5.4	0.000
16.433	0.000	5.33	0.00	0.03	5.2	0.001
16.450	0.000	5.36	0.00	0.02	5.4	0.000
16.467	0.000	5.39	0.00	0.02	5.3	0.000
16.483	0.000	5.42	0.00	0.02	5.5	0.000
16.500	0.000	5.45	0.00	0.02	5.4	0.000
16.517	0.000	5.42	0.00	0.02	5.4	0.000

16.533	0.000	5.32	0.00	0.02	5.3	0.000
16.550	0.000	5.22	0.00	0.02	5.2	0.000
16.567	0.000	5.12	0.00	0.02	5.1	0.000
16.583	0.000	5.02	0.00	0.02	5.0	0.000
16.600	0.000	4.92	0.00	0.02	4.9	0.000
16.617	0.000	4.82	0.00	0.02	4.8	0.000
16.633	0.000	4.73	0.00	0.02	4.7	0.000
16.650	0.000	4.66	0.00	0.02	4.7	0.000
16.667	0.000	4.60	0.00	0.02	4.6	0.000
16.683	0.000	4.53	0.00	0.02	4.5	0.000
16.700	0.000	4.47	0.00	0.02	4.5	0.000
16.717	0.000	4.41	0.00	0.02	4.4	0.000
16.733	0.000	4.35	0.00	0.02	4.4	0.000
16.750	0.000	4.28	0.00	0.02	4.3	0.000
16.767	0.000	4.23	0.00	0.02	4.2	0.000
16.783	0.000	4.19	0.00	0.02	4.2	0.000
16.800	0.000	4.14	0.00	0.02	4.1	0.000
16.817	0.000	4.09	0.00	0.02	4.1	0.000
16.833	0.000	4.05	0.00	0.02	4.1	0.000
16.850	0.000	4.00	0.00	0.02	4.0	0.000
16.867	0.000	3.96	0.00	0.02	4.0	0.000
16.883	0.000	3.91	0.00	0.02	3.9	0.000
16.900	0.000	3.88	0.00	0.02	3.9	0.000
16.917	0.000	3.84	0.00	0.02	3.8	0.000
16.933	0.000	3.81	0.00	0.02	3.8	0.000
16.950	0.000	3.77	0.00	0.02	3.8	0.000
16.967	0.000	3.73	0.00	0.02	3.7	0.000
16.983	0.000	3.70	0.00	0.02	3.7	0.000
17.000	0.000	3.66	0.00	0.02	3.7	0.000
17.017	0.000	3.65	0.00	0.02	3.7	0.000
17.033	0.000	3.68	0.00	0.02	3.7	0.000
17.050	0.000	3.70	0.00	0.02	3.7	0.000
17.067	0.000	3.72	0.00	0.02	3.7	0.000
17.083	0.000	3.74	0.00	0.02	3.7	0.000
17.100	0.000	3.76	0.00	0.02	3.8	0.000
17.117	0.000	3.78	0.00	0.02	3.8	0.000
17.133	0.000	3.80	0.00	0.02	3.8	0.000
17.150	0.000	3.78	0.00	0.02	3.8	0.000
17.167	0.000	3.75	0.00	0.02	3.8	0.000
17.183	0.000	3.73	0.00	0.02	3.7	0.000
17.200	0.000	3.71	0.00	0.02	3.7	0.000
17.217	0.000	3.68	0.00	0.02	3.7	0.000
17.233	0.000	3.66	0.00	0.02	3.7	0.000
17.250	0.000	3.64	0.00	0.02	3.6	0.000
17.267	0.000	3.61	0.00	0.02	3.6	0.000
17.283	0.000	3.59	0.00	0.02	3.6	0.000
17.300	0.000	3.57	0.00	0.02	3.6	0.000
17.317	0.000	3.55	0.00	0.02	3.6	0.000
17.333	0.000	3.53	0.00	0.01	3.5	0.000
17.350	0.000	3.51	0.00	0.01	3.5	0.000
17.367	0.000	3.49	0.00	0.01	3.5	0.000
17.383	0.000	3.47	0.00	0.01	3.5	0.000
17.400	0.000	3.45	0.00	0.01	3.5	0.000
17.417	0.000	3.44	0.00	0.01	3.4	0.000
17.433	0.000	3.42	0.00	0.01	3.4	0.000
17.450	0.000	3.40	0.00	0.01	3.4	0.000
17.467	0.000	3.38	0.00	0.01	3.4	0.000
17.483	0.000	3.37	0.00	0.01	3.4	0.000
17.500	0.000	3.35	0.00	0.01	3.3	0.000
17.517	0.000	3.33	0.00	0.01	3.3	0.000
17.533	0.000	3.32	0.00	0.01	3.3	0.000
17.550	0.000	3.30	0.00	0.01	3.3	0.000
17.567	0.000	3.28	0.00	0.01	3.3	0.000
17.583	0.000	3.27	0.00	0.01	3.3	0.000
17.600	0.000	3.25	0.00	0.01	3.3	0.000
17.617	0.000	3.24	0.00	0.01	3.2	0.000
17.633	0.000	3.22	0.00	0.01	3.2	0.000
17.650	0.000	3.21	0.00	0.01	3.2	0.000
17.667	0.000	3.19	0.00	0.01	3.2	0.000
17.683	0.000	3.18	0.00	0.01	3.2	0.000
17.700	0.000	3.17	0.00	0.01	3.2	0.000
17.717	0.000	3.15	0.00	0.01	3.2	0.000

17.733	0.000	3.14	0.00	0.01	3.1	0.000
17.750	0.000	3.13	0.00	0.01	3.1	0.000
17.767	0.000	3.11	0.00	0.01	3.1	0.000
17.783	0.000	3.10	0.00	0.01	3.1	0.000
17.800	0.000	3.09	0.00	0.01	3.1	0.000
17.817	0.000	3.07	0.00	0.01	3.1	0.000
17.833	0.000	3.06	0.00	0.01	3.1	0.000
17.850	0.000	3.05	0.00	0.01	3.1	0.000
17.867	0.000	3.04	0.00	0.01	3.0	0.000
17.883	0.000	3.02	0.00	0.01	3.0	0.000
17.900	0.000	3.01	0.00	0.01	3.0	0.000
17.917	0.000	3.00	0.00	0.01	3.0	0.000
17.933	0.000	2.99	0.00	0.01	3.0	0.000
17.950	0.000	2.98	0.00	0.01	3.0	0.000
17.967	0.000	2.97	0.00	0.01	3.0	0.000
17.983	0.000	2.96	0.00	0.01	3.0	0.000
18.000	0.000	2.95	0.00	0.01	2.9	0.000
18.017	0.000	2.93	0.00	0.01	2.9	0.000
18.033	0.000	2.90	0.00	0.01	2.9	0.000
18.050	0.000	2.88	0.00	0.01	2.9	0.000
18.067	0.000	2.86	0.00	0.01	2.9	0.000
18.083	0.000	2.83	0.00	0.01	2.8	0.000
18.100	0.000	2.81	0.00	0.01	2.8	0.000
18.117	0.000	2.79	0.00	0.01	2.8	0.000
18.133	0.000	2.76	0.00	0.01	2.8	0.000
18.150	0.000	2.75	0.00	0.01	2.8	0.000
18.167	0.000	2.74	0.00	0.01	2.7	0.000
18.183	0.000	2.73	0.00	0.01	2.7	0.000
18.200	0.000	2.72	0.00	0.01	2.7	0.000
18.217	0.000	2.71	0.00	0.01	2.7	0.000
18.233	0.000	2.71	0.00	0.01	2.7	0.000
18.250	0.000	2.70	0.00	0.01	2.7	0.000
18.267	0.000	2.69	0.00	0.01	2.7	0.000
18.283	0.000	2.68	0.00	0.01	2.7	0.000
18.300	0.000	2.67	0.00	0.01	2.7	0.000
18.317	0.000	2.66	0.00	0.01	2.7	0.000
18.333	0.000	2.65	0.00	0.01	2.7	0.000
18.350	0.000	2.64	0.00	0.01	2.6	0.000
18.367	0.000	2.63	0.00	0.01	2.6	0.000
18.383	0.000	2.63	0.00	0.01	2.6	0.000
18.400	0.000	2.62	0.00	0.01	2.6	0.000
18.417	0.000	2.61	0.00	0.01	2.6	0.000
18.433	0.000	2.60	0.00	0.01	2.6	0.000
18.450	0.000	2.59	0.00	0.01	2.6	0.000
18.467	0.000	2.58	0.00	0.01	2.6	0.000
18.483	0.000	2.58	0.00	0.01	2.6	0.000
18.500	0.000	2.57	0.00	0.01	2.6	0.000
18.517	0.000	2.56	0.00	0.01	2.6	0.000
18.533	0.000	2.55	0.00	0.01	2.6	0.000
18.550	0.000	2.55	0.00	0.01	2.5	0.000
18.567	0.000	2.54	0.00	0.01	2.5	0.000
18.583	0.000	2.53	0.00	0.01	2.5	0.000
18.600	0.000	2.52	0.00	0.01	2.5	0.000
18.617	0.000	2.52	0.00	0.01	2.5	0.000
18.633	0.000	2.51	0.00	0.01	2.5	0.000
18.650	0.000	2.50	0.00	0.01	2.5	0.000
18.667	0.000	2.49	0.00	0.01	2.5	0.000
18.683	0.000	2.49	0.00	0.01	2.5	0.000
18.700	0.000	2.48	0.00	0.01	2.5	0.000
18.717	0.000	2.47	0.00	0.01	2.5	0.000
18.733	0.000	2.47	0.00	0.01	2.5	0.000
18.750	0.000	2.46	0.00	0.01	2.5	0.000
18.767	0.000	2.45	0.00	0.01	2.5	0.000
18.783	0.000	2.45	0.00	0.01	2.4	0.000
18.800	0.000	2.44	0.00	0.01	2.4	0.000
18.817	0.000	2.43	0.00	0.01	2.4	0.000
18.833	0.000	2.43	0.00	0.01	2.4	0.000
18.850	0.000	2.42	0.00	0.01	2.4	0.000
18.867	0.000	2.41	0.00	0.01	2.4	0.000
18.883	0.000	2.41	0.00	0.01	2.4	0.000
18.900	0.000	2.40	0.00	0.01	2.4	0.000
18.917	0.000	2.39	0.00	0.01	2.4	0.000

18.933	0.000	2.39	0.00	0.01	2.4	0.000
18.950	0.000	2.38	0.00	0.01	2.4	0.000
18.967	0.000	2.38	0.00	0.01	2.4	0.000
18.983	0.000	2.37	0.00	0.01	2.4	0.000
19.000	0.000	2.36	0.00	0.01	2.4	0.000
19.017	0.000	2.36	0.00	0.01	2.4	0.000
19.033	0.000	2.35	0.00	0.01	2.4	0.000
19.050	0.000	2.35	0.00	0.01	2.3	0.000
19.067	0.000	2.34	0.00	0.01	2.3	0.000
19.083	0.000	2.34	0.00	0.01	2.3	0.000
19.100	0.000	2.33	0.00	0.01	2.3	0.000
19.117	0.000	2.32	0.00	0.01	2.3	0.000
19.133	0.000	2.32	0.00	0.01	2.3	0.000
19.150	0.000	2.31	0.00	0.01	2.3	0.000
19.167	0.000	2.31	0.00	0.01	2.3	0.000
19.183	0.000	2.30	0.00	0.01	2.3	0.000
19.200	0.000	2.30	0.00	0.01	2.3	0.000
19.217	0.000	2.29	0.00	0.01	2.3	0.000
19.233	0.000	2.29	0.00	0.01	2.3	0.000
19.250	0.000	2.28	0.00	0.01	2.3	0.000
19.267	0.000	2.28	0.00	0.01	2.3	0.000
19.283	0.000	2.27	0.00	0.01	2.3	0.000
19.300	0.000	2.26	0.00	0.01	2.3	0.000
19.317	0.000	2.26	0.00	0.01	2.3	0.000
19.333	0.000	2.25	0.00	0.01	2.3	0.000
19.350	0.000	2.25	0.00	0.01	2.2	0.000
19.367	0.000	2.24	0.00	0.01	2.2	0.000
19.383	0.000	2.24	0.00	0.01	2.2	0.000
19.400	0.000	2.23	0.00	0.01	2.2	0.000
19.417	0.000	2.23	0.00	0.01	2.2	0.000
19.433	0.000	2.22	0.00	0.01	2.2	0.000
19.450	0.000	2.22	0.00	0.01	2.2	0.000
19.467	0.000	2.22	0.00	0.01	2.2	0.000
19.483	0.000	2.21	0.00	0.01	2.2	0.000
19.500	0.000	2.21	0.00	0.01	2.2	0.000
19.517	0.000	2.20	0.00	0.01	2.2	0.000
19.533	0.000	2.20	0.00	0.01	2.2	0.000
19.550	0.000	2.19	0.00	0.01	2.2	0.000
19.567	0.000	2.19	0.00	0.01	2.2	0.000
19.583	0.000	2.18	0.00	0.01	2.2	0.000
19.600	0.000	2.18	0.00	0.01	2.2	0.000
19.617	0.000	2.17	0.00	0.01	2.2	0.000
19.633	0.000	2.17	0.00	0.01	2.2	0.000
19.650	0.000	2.16	0.00	0.01	2.2	0.000
19.667	0.000	2.16	0.00	0.01	2.2	0.000
19.683	0.000	2.16	0.00	0.01	2.2	0.000
19.700	0.000	2.15	0.00	0.01	2.2	0.000
19.717	0.000	2.15	0.00	0.01	2.1	0.000
19.733	0.000	2.14	0.00	0.01	2.1	0.000
19.750	0.000	2.14	0.00	0.01	2.1	0.000
19.767	0.000	2.13	0.00	0.01	2.1	0.000
19.783	0.000	2.13	0.00	0.01	2.1	0.000
19.800	0.000	2.13	0.00	0.01	2.1	0.000
19.817	0.000	2.12	0.00	0.01	2.1	0.000
19.833	0.000	2.12	0.00	0.01	2.1	0.000
19.850	0.000	2.11	0.00	0.01	2.1	0.000
19.867	0.000	2.11	0.00	0.01	2.1	0.000
19.883	0.000	2.10	0.00	0.01	2.1	0.000
19.900	0.000	2.10	0.00	0.01	2.1	0.000
19.917	0.000	2.10	0.00	0.01	2.1	0.000
19.933	0.000	2.09	0.00	0.01	2.1	0.000
19.950	0.000	2.09	0.00	0.01	2.1	0.000
19.967	0.000	2.09	0.00	0.01	2.1	0.000
19.983	0.000	2.08	0.00	0.01	2.1	0.000
20.000	0.000	2.08	0.00	0.01	2.1	0.000
20.017	0.000	2.07	0.00	0.01	2.1	0.000
20.033	0.000	2.07	0.00	0.01	2.1	0.000
20.050	0.000	2.07	0.00	0.01	2.1	0.000
20.067	0.000	2.06	0.00	0.01	2.1	0.000
20.083	0.000	2.06	0.00	0.01	2.1	0.000
20.100	0.000	2.05	0.00	0.01	2.1	0.000
20.117	0.000	2.05	0.00	0.01	2.1	0.000

20.133	0.000	2.05	0.00	0.01	2.0	0.000
20.150	0.000	2.04	0.00	0.01	2.0	0.000
20.167	0.000	2.04	0.00	0.01	2.0	0.000
20.183	0.000	2.04	0.00	0.01	2.0	0.000
20.200	0.000	2.03	0.00	0.01	2.0	0.000
20.217	0.000	2.03	0.00	0.01	2.0	0.000
20.233	0.000	2.03	0.00	0.01	2.0	0.000
20.250	0.000	2.02	0.00	0.01	2.0	0.000
20.267	0.000	2.02	0.00	0.01	2.0	0.000
20.283	0.000	2.01	0.00	0.01	2.0	0.000
20.300	0.000	2.01	0.00	0.01	2.0	0.000
20.317	0.000	2.01	0.00	0.01	2.0	0.000
20.333	0.000	2.00	0.00	0.01	2.0	0.000
20.350	0.000	2.00	0.00	0.01	2.0	0.000
20.367	0.000	2.00	0.00	0.01	2.0	0.000
20.383	0.000	1.99	0.00	0.01	2.0	0.000
20.400	0.000	1.99	0.00	0.01	2.0	0.000
20.417	0.000	1.99	0.00	0.01	2.0	0.000
20.433	0.000	1.98	0.00	0.01	2.0	0.000
20.450	0.000	1.98	0.00	0.01	2.0	0.000
20.467	0.000	1.98	0.00	0.01	2.0	0.000
20.483	0.000	1.97	0.00	0.01	2.0	0.000
20.500	0.000	1.97	0.00	0.01	2.0	0.000
20.517	0.000	1.97	0.00	0.01	2.0	0.000
20.533	0.000	1.96	0.00	0.01	2.0	0.000
20.550	0.000	1.96	0.00	0.01	2.0	0.000
20.567	0.000	1.96	0.00	0.01	2.0	0.000
20.583	0.000	1.95	0.00	0.01	2.0	0.000
20.600	0.000	1.95	0.00	0.01	2.0	0.000
20.617	0.000	1.95	0.00	0.01	1.9	0.000
20.633	0.000	1.94	0.00	0.01	1.9	0.000
20.650	0.000	1.94	0.00	0.01	1.9	0.000
20.667	0.000	1.94	0.00	0.01	1.9	0.000
20.683	0.000	1.94	0.00	0.01	1.9	0.000
20.700	0.000	1.93	0.00	0.01	1.9	0.000
20.717	0.000	1.93	0.00	0.01	1.9	0.000
20.733	0.000	1.93	0.00	0.01	1.9	0.000
20.750	0.000	1.92	0.00	0.01	1.9	0.000
20.767	0.000	1.92	0.00	0.01	1.9	0.000
20.783	0.000	1.92	0.00	0.01	1.9	0.000
20.800	0.000	1.91	0.00	0.01	1.9	0.000
20.817	0.000	1.91	0.00	0.01	1.9	0.000
20.833	0.000	1.91	0.00	0.01	1.9	0.000
20.850	0.000	1.91	0.00	0.01	1.9	0.000
20.867	0.000	1.90	0.00	0.01	1.9	0.000
20.883	0.000	1.90	0.00	0.01	1.9	0.000
20.900	0.000	1.90	0.00	0.01	1.9	0.000
20.917	0.000	1.89	0.00	0.01	1.9	0.000
20.933	0.000	1.89	0.00	0.01	1.9	0.000
20.950	0.000	1.89	0.00	0.01	1.9	0.000
20.967	0.000	1.89	0.00	0.01	1.9	0.000
20.983	0.000	1.88	0.00	0.01	1.9	0.000
21.000	0.000	1.88	0.00	0.01	1.9	0.000
21.017	0.000	1.88	0.00	0.01	1.9	0.000
21.033	0.000	1.87	0.00	0.01	1.9	0.000
21.050	0.000	1.87	0.00	0.01	1.9	0.000
21.067	0.000	1.87	0.00	0.01	1.9	0.000
21.083	0.000	1.87	0.00	0.01	1.9	0.000
21.100	0.000	1.86	0.00	0.01	1.9	0.000
21.117	0.000	1.86	0.00	0.01	1.9	0.000
21.133	0.000	1.86	0.00	0.01	1.9	0.000
21.150	0.000	1.86	0.00	0.01	1.9	0.000
21.167	0.000	1.85	0.00	0.01	1.9	0.000
21.183	0.000	1.85	0.00	0.01	1.9	0.000
21.200	0.000	1.85	0.00	0.01	1.8	0.000
21.217	0.000	1.84	0.00	0.01	1.8	0.000
21.233	0.000	1.84	0.00	0.01	1.8	0.000
21.250	0.000	1.84	0.00	0.01	1.8	0.000
21.267	0.000	1.84	0.00	0.01	1.8	0.000
21.283	0.000	1.83	0.00	0.01	1.8	0.000
21.300	0.000	1.83	0.00	0.01	1.8	0.000
21.317	0.000	1.83	0.00	0.01	1.8	0.000

21.333	0.000	1.83	0.00	0.01	1.8	0.000
21.350	0.000	1.82	0.00	0.01	1.8	0.000
21.367	0.000	1.82	0.00	0.01	1.8	0.000
21.383	0.000	1.82	0.00	0.01	1.8	0.000
21.400	0.000	1.82	0.00	0.01	1.8	0.000
21.417	0.000	1.81	0.00	0.01	1.8	0.000
21.433	0.000	1.81	0.00	0.01	1.8	0.000
21.450	0.000	1.81	0.00	0.01	1.8	0.000
21.467	0.000	1.81	0.00	0.01	1.8	0.000
21.483	0.000	1.80	0.00	0.01	1.8	0.000
21.500	0.000	1.80	0.00	0.01	1.8	0.000
21.517	0.000	1.80	0.00	0.01	1.8	0.000
21.533	0.000	1.80	0.00	0.01	1.8	0.000
21.550	0.000	1.79	0.00	0.01	1.8	0.000
21.567	0.000	1.79	0.00	0.01	1.8	0.000
21.583	0.000	1.79	0.00	0.01	1.8	0.000
21.600	0.000	1.79	0.00	0.01	1.8	0.000
21.617	0.000	1.79	0.00	0.01	1.8	0.000
21.633	0.000	1.78	0.00	0.01	1.8	0.000
21.650	0.000	1.78	0.00	0.01	1.8	0.000
21.667	0.000	1.78	0.00	0.01	1.8	0.000
21.683	0.000	1.78	0.00	0.01	1.8	0.000
21.700	0.000	1.77	0.00	0.01	1.8	0.000
21.717	0.000	1.77	0.00	0.01	1.8	0.000
21.733	0.000	1.77	0.00	0.01	1.8	0.000
21.750	0.000	1.77	0.00	0.01	1.8	0.000
21.767	0.000	1.76	0.00	0.01	1.8	0.000
21.783	0.000	1.76	0.00	0.01	1.8	0.000
21.800	0.000	1.76	0.00	0.01	1.8	0.000
21.817	0.000	1.76	0.00	0.01	1.8	0.000
21.833	0.000	1.76	0.00	0.01	1.8	0.000
21.850	0.000	1.75	0.00	0.01	1.8	0.000
21.867	0.000	1.75	0.00	0.01	1.8	0.000
21.883	0.000	1.75	0.00	0.01	1.7	0.000
21.900	0.000	1.75	0.00	0.01	1.7	0.000
21.917	0.000	1.74	0.00	0.01	1.7	0.000
21.933	0.000	1.74	0.00	0.01	1.7	0.000
21.950	0.000	1.74	0.00	0.01	1.7	0.000
21.967	0.000	1.74	0.00	0.01	1.7	0.000
21.983	0.000	1.74	0.00	0.01	1.7	0.000
22.000	0.000	1.73	0.00	0.01	1.7	0.000
22.017	0.000	1.73	0.00	0.01	1.7	0.000
22.033	0.000	1.73	0.00	0.01	1.7	0.000
22.050	0.000	1.73	0.00	0.01	1.7	0.000
22.067	0.000	1.73	0.00	0.01	1.7	0.000
22.083	0.000	1.72	0.00	0.01	1.7	0.000
22.100	0.000	1.72	0.00	0.01	1.7	0.000
22.117	0.000	1.72	0.00	0.01	1.7	0.000
22.133	0.000	1.72	0.00	0.01	1.7	0.000
22.150	0.000	1.71	0.00	0.01	1.7	0.000
22.167	0.000	1.71	0.00	0.01	1.7	0.000
22.183	0.000	1.71	0.00	0.01	1.7	0.000
22.200	0.000	1.71	0.00	0.01	1.7	0.000
22.216	0.000	1.71	0.00	0.01	1.7	0.000
22.233	0.000	1.70	0.00	0.01	1.7	0.000
22.250	0.000	1.70	0.00	0.01	1.7	0.000
22.266	0.000	1.70	0.00	0.01	1.7	0.000
22.283	0.000	1.70	0.00	0.01	1.7	0.000
22.300	0.000	1.70	0.00	0.01	1.7	0.000
22.316	0.000	1.69	0.00	0.01	1.7	0.000
22.333	0.000	1.69	0.00	0.01	1.7	0.000
22.350	0.000	1.69	0.00	0.01	1.7	0.000
22.366	0.000	1.69	0.00	0.01	1.7	0.000
22.383	0.000	1.69	0.00	0.01	1.7	0.000
22.400	0.000	1.68	0.00	0.01	1.7	0.000
22.416	0.000	1.68	0.00	0.01	1.7	0.000
22.433	0.000	1.68	0.00	0.01	1.7	0.000
22.450	0.000	1.68	0.00	0.01	1.7	0.000
22.466	0.000	1.68	0.00	0.01	1.7	0.000
22.483	0.000	1.67	0.00	0.01	1.7	0.000
22.500	0.000	1.67	0.00	0.01	1.7	0.000
22.516	0.000	1.67	0.00	0.01	1.7	0.000

22.533	0.000	1.67	0.00	0.01	1.7	0.000
22.550	0.000	1.67	0.00	0.01	1.7	0.000
22.566	0.000	1.67	0.00	0.01	1.7	0.000
22.583	0.000	1.66	0.00	0.01	1.7	0.000
22.600	0.000	1.66	0.00	0.01	1.7	0.000
22.616	0.000	1.66	0.00	0.01	1.7	0.000
22.633	0.000	1.66	0.00	0.01	1.7	0.000
22.650	0.000	1.66	0.00	0.01	1.7	0.000
22.666	0.000	1.65	0.00	0.01	1.7	0.000
22.683	0.000	1.65	0.00	0.01	1.7	0.000
22.700	0.000	1.65	0.00	0.01	1.7	0.000
22.716	0.000	1.65	0.00	0.01	1.6	0.000
22.733	0.000	1.65	0.00	0.01	1.6	0.000
22.750	0.000	1.65	0.00	0.01	1.6	0.000
22.766	0.000	1.64	0.00	0.01	1.6	0.000
22.783	0.000	1.64	0.00	0.01	1.6	0.000
22.800	0.000	1.64	0.00	0.01	1.6	0.000
22.816	0.000	1.64	0.00	0.01	1.6	0.000
22.833	0.000	1.64	0.00	0.01	1.6	0.000
22.850	0.000	1.63	0.00	0.01	1.6	0.000
22.866	0.000	1.63	0.00	0.01	1.6	0.000
22.883	0.000	1.63	0.00	0.01	1.6	0.000
22.900	0.000	1.63	0.00	0.01	1.6	0.000
22.916	0.000	1.63	0.00	0.01	1.6	0.000
22.933	0.000	1.63	0.00	0.01	1.6	0.000
22.950	0.000	1.62	0.00	0.01	1.6	0.000
22.966	0.000	1.62	0.00	0.01	1.6	0.000
22.983	0.000	1.62	0.00	0.01	1.6	0.000
23.000	0.000	1.62	0.00	0.01	1.6	0.000
23.016	0.000	1.62	0.00	0.01	1.6	0.000
23.033	0.000	1.62	0.00	0.01	1.6	0.000
23.050	0.000	1.61	0.00	0.01	1.6	0.000
23.066	0.000	1.61	0.00	0.01	1.6	0.000
23.083	0.000	1.61	0.00	0.01	1.6	0.000
23.100	0.000	1.61	0.00	0.01	1.6	0.000
23.116	0.000	1.61	0.00	0.01	1.6	0.000
23.133	0.000	1.61	0.00	0.01	1.6	0.000
23.150	0.000	1.60	0.00	0.01	1.6	0.000
23.166	0.000	1.60	0.00	0.01	1.6	0.000
23.183	0.000	1.60	0.00	0.01	1.6	0.000
23.200	0.000	1.60	0.00	0.01	1.6	0.000
23.216	0.000	1.60	0.00	0.01	1.6	0.000
23.233	0.000	1.60	0.00	0.01	1.6	0.000
23.250	0.000	1.59	0.00	0.01	1.6	0.000
23.266	0.000	1.59	0.00	0.01	1.6	0.000
23.283	0.000	1.59	0.00	0.01	1.6	0.000
23.300	0.000	1.59	0.00	0.01	1.6	0.000
23.316	0.000	1.59	0.00	0.01	1.6	0.000
23.333	0.000	1.59	0.00	0.01	1.6	0.000
23.350	0.000	1.58	0.00	0.01	1.6	0.000
23.366	0.000	1.58	0.00	0.01	1.6	0.000
23.383	0.000	1.58	0.00	0.01	1.6	0.000
23.400	0.000	1.58	0.00	0.01	1.6	0.000
23.416	0.000	1.58	0.00	0.01	1.6	0.000
23.433	0.000	1.58	0.00	0.01	1.6	0.000
23.450	0.000	1.58	0.00	0.01	1.6	0.000
23.466	0.000	1.57	0.00	0.01	1.6	0.000
23.483	0.000	1.57	0.00	0.01	1.6	0.000
23.500	0.000	1.57	0.00	0.01	1.6	0.000
23.516	0.000	1.57	0.00	0.01	1.6	0.000
23.533	0.000	1.57	0.00	0.01	1.6	0.000
23.550	0.000	1.57	0.00	0.01	1.6	0.000
23.566	0.000	1.56	0.00	0.01	1.6	0.000
23.583	0.000	1.56	0.00	0.01	1.6	0.000
23.600	0.000	1.56	0.00	0.01	1.6	0.000
23.616	0.000	1.56	0.00	0.01	1.6	0.000
23.633	0.000	1.56	0.00	0.01	1.6	0.000
23.650	0.000	1.56	0.00	0.01	1.6	0.000
23.666	0.000	1.56	0.00	0.01	1.6	0.000
23.683	0.000	1.55	0.00	0.01	1.6	0.000
23.700	0.000	1.55	0.00	0.01	1.6	0.000
23.716	0.000	1.55	0.00	0.01	1.6	0.000

23.733	0.000	1.55	0.00	0.01	1.5	0.000
23.750	0.000	1.55	0.00	0.01	1.5	0.000
23.766	0.000	1.55	0.00	0.01	1.5	0.000
23.783	0.000	1.54	0.00	0.01	1.5	0.000
23.800	0.000	1.54	0.00	0.01	1.5	0.000
23.816	0.000	1.54	0.00	0.01	1.5	0.000
23.833	0.000	1.54	0.00	0.01	1.5	0.000
23.850	0.000	1.54	0.00	0.01	1.5	0.000
23.866	0.000	1.54	0.00	0.01	1.5	0.000
23.883	0.000	1.54	0.00	0.01	1.5	0.000
23.900	0.000	1.53	0.00	0.01	1.5	0.000
23.916	0.000	1.53	0.00	0.01	1.5	0.000
23.933	0.000	1.53	0.00	0.01	1.5	0.000
23.950	0.000	1.53	0.00	0.01	1.5	0.000
23.966	0.000	1.53	0.00	0.01	1.5	0.000
23.983	0.000	1.53	0.00	0.01	1.5	0.000
24.000	0.000	1.53	0.00	0.01	1.5	0.000
24.016	0.000	1.42	0.00	0.01	1.4	0.000
24.033	0.000	1.22	0.00	0.00	1.2	0.000
24.050	0.000	1.02	0.00	0.00	1.0	0.000
24.066	0.000	0.81	0.00	0.00	0.8	0.000
24.083	0.000	0.61	0.00	0.00	0.6	0.000
24.100	0.000	0.41	0.00	0.00	0.4	0.000
24.116	0.000	0.20	0.00	0.00	0.2	0.000
24.133	0.000	0.00	0.00	0.00	0.1	0.000
24.150	0.000	0.00	0.00	0.00	0.0	0.000
24.166	0.000	0.00	0.00	0.00	0.0	0.000
24.183	0.000	0.00	0.00	0.00	0.0	0.000
24.200	0.000	0.00	0.00	0.00	0.0	0.000
24.216	0.000	0.00	0.00	0.00	0.0	0.000
24.233	0.000	0.00	0.00	0.00	0.0	0.000
24.250	0.000	0.00	0.00	0.00	0.0	0.000
24.266	0.000	0.00	0.00	0.00	0.0	0.000
24.283	0.000	0.00	0.00	0.00	0.0	0.000
24.300	0.000	0.00	0.00	0.00	0.0	0.000
24.316	0.000	0.00	0.00	0.00	0.0	0.000
24.333	0.000	0.00	0.00	0.00	0.0	0.000
24.350	0.000	0.00	0.00	0.00	0.0	0.000
24.366	0.000	0.00	0.00	0.00	0.0	0.000
24.383	0.000	0.00	0.00	0.00	0.0	0.000
24.400	0.000	0.00	0.00	0.00	0.0	0.000
24.416	0.000	0.00	0.00	0.00	0.0	0.000
24.433	0.000	0.00	0.00	0.00	0.0	0.000
24.450	0.000	0.00	0.00	0.00	0.0	0.000
24.466	0.000	0.00	0.00	0.00	0.0	0.000
24.483	0.000	0.00	0.00	0.00	0.0	0.000
24.500	0.000	0.00	0.00	0.00	0.0	0.000
24.516	0.000	0.00	0.00	0.00	0.0	0.000
24.533	0.000	0.00	0.00	0.00	0.0	0.000
24.550	0.000	0.00	0.00	0.00	0.0	0.000
24.566	0.000	0.00	0.00	0.00	0.0	0.000
24.583	0.000	0.00	0.00	0.00	0.0	0.000
24.600	0.000	0.00	0.00	0.00	0.0	0.000
24.616	0.000	0.00	0.00	0.00	0.0	0.000
24.633	0.000	0.00	0.00	0.00	0.0	0.000
24.650	0.000	0.00	0.00	0.00	0.0	0.000
24.666	0.000	0.00	0.00	0.00	0.0	0.000
24.683	0.000	0.00	0.00	0.00	0.0	0.000
24.700	0.000	0.00	0.00	0.00	0.0	0.000
24.716	0.000	0.00	0.00	0.00	0.0	0.000
24.733	0.000	0.00	0.00	0.00	0.0	0.000
24.750	0.000	0.00	0.00	0.00	0.0	0.000
24.766	0.000	0.00	0.00	0.00	0.0	0.000
24.783	0.000	0.00	0.00	0.00	0.0	0.000
24.800	0.000	0.00	0.00	0.00	0.0	0.000
24.816	0.000	0.00	0.00	0.00	0.0	0.000
24.833	0.000	0.00	0.00	0.00	0.0	0.000
24.850	0.000	0.00	0.00	0.00	0.0	0.000
24.866	0.000	0.00	0.00	0.00	0.0	0.000
24.883	0.000	0.00	0.00	0.00	0.0	0.000
24.900	0.000	0.00	0.00	0.00	0.0	0.000
24.916	0.000	0.00	0.00	0.00	0.0	0.000

24.933	0.000	0.00	0.00	0.00	0.0	0.000
24.950	0.000	0.00	0.00	0.00	0.0	0.000
24.966	0.000	0.00	0.00	0.00	0.0	0.000
24.983	0.000	0.00	0.00	0.00	0.0	0.000
25.000	0.000	0.00	0.00	0.00	0.0	0.000
25.016	0.000	0.00	0.00	0.00	0.0	0.000
25.033	0.000	0.00	0.00	0.00	0.0	0.000
25.050	0.000	0.00	0.00	0.00	0.0	0.000
25.066	0.000	0.00	0.00	0.00	0.0	0.000
25.083	0.000	0.00	0.00	0.00	0.0	0.000
25.100	0.000	0.00	0.00	0.00	0.0	0.000
25.116	0.000	0.00	0.00	0.00	0.0	0.000
25.133	0.000	0.00	0.00	0.00	0.0	0.000
25.150	0.000	0.00	0.00	0.00	0.0	0.000
25.166	0.000	0.00	0.00	0.00	0.0	0.000
25.183	0.000	0.00	0.00	0.00	0.0	0.000
25.200	0.000	0.00	0.00	0.00	0.0	0.000
25.216	0.000	0.00	0.00	0.00	0.0	0.000
25.233	0.000	0.00	0.00	0.00	0.0	0.000
25.250	0.000	0.00	0.00	0.00	0.0	0.000
25.266	0.000	0.00	0.00	0.00	0.0	0.000
25.283	0.000	0.00	0.00	0.00	0.0	0.000
25.300	0.000	0.00	0.00	0.00	0.0	0.000
25.316	0.000	0.00	0.00	0.00	0.0	0.000
25.333	0.000	0.00	0.00	0.00	0.0	0.000
25.350	0.000	0.00	0.00	0.00	0.0	0.000
25.366	0.000	0.00	0.00	0.00	0.0	0.000
25.383	0.000	0.00	0.00	0.00	0.0	0.000
25.400	0.000	0.00	0.00	0.00	0.0	0.000
25.416	0.000	0.00	0.00	0.00	0.0	0.000
25.433	0.000	0.00	0.00	0.00	0.0	0.000
25.450	0.000	0.00	0.00	0.00	0.0	0.000
25.466	0.000	0.00	0.00	0.00	0.0	0.000
25.483	0.000	0.00	0.00	0.00	0.0	0.000
25.500	0.000	0.00	0.00	0.00	0.0	0.000
25.516	0.000	0.00	0.00	0.00	0.0	0.000
25.533	0.000	0.00	0.00	0.00	0.0	0.000
25.550	0.000	0.00	0.00	0.00	0.0	0.000
25.566	0.000	0.00	0.00	0.00	0.0	0.000
25.583	0.000	0.00	0.00	0.00	0.0	0.000
25.600	0.000	0.00	0.00	0.00	0.0	0.000
25.616	0.000	0.00	0.00	0.00	0.0	0.000
25.633	0.000	0.00	0.00	0.00	0.0	0.000
25.650	0.000	0.00	0.00	0.00	0.0	0.000
25.666	0.000	0.00	0.00	0.00	0.0	0.000
25.683	0.000	0.00	0.00	0.00	0.0	0.000
25.700	0.000	0.00	0.00	0.00	0.0	0.000
25.716	0.000	0.00	0.00	0.00	0.0	0.000
25.733	0.000	0.00	0.00	0.00	0.0	0.000
25.750	0.000	0.00	0.00	0.00	0.0	0.000
25.766	0.000	0.00	0.00	0.00	0.0	0.000
25.783	0.000	0.00	0.00	0.00	0.0	0.000
25.800	0.000	0.00	0.00	0.00	0.0	0.000
25.816	0.000	0.00	0.00	0.00	0.0	0.000
25.833	0.000	0.00	0.00	0.00	0.0	0.000
25.850	0.000	0.00	0.00	0.00	0.0	0.000
25.866	0.000	0.00	0.00	0.00	0.0	0.000
25.883	0.000	0.00	0.00	0.00	0.0	0.000
25.900	0.000	0.00	0.00	0.00	0.0	0.000
25.916	0.000	0.00	0.00	0.00	0.0	0.000
25.933	0.000	0.00	0.00	0.00	0.0	0.000
25.950	0.000	0.00	0.00	0.00	0.0	0.000
25.966	0.000	0.00	0.00	0.00	0.0	0.000
25.983	0.000	0.00	0.00	0.00	0.0	0.000
26.000	0.000	0.00	0.00	0.00	0.0	0.000
26.016	0.000	0.00	0.00	0.00	0.0	0.000
26.033	0.000	0.00	0.00	0.00	0.0	0.000
26.050	0.000	0.00	0.00	0.00	0.0	0.000
26.066	0.000	0.00	0.00	0.00	0.0	0.000
26.083	0.000	0.00	0.00	0.00	0.0	0.000
26.100	0.000	0.00	0.00	0.00	0.0	0.000
26.116	0.000	0.00	0.00	0.00	0.0	0.000

26.133	0.000	0.00	0.00	0.00	0.0	0.000
26.150	0.000	0.00	0.00	0.00	0.0	0.000
26.166	0.000	0.00	0.00	0.00	0.0	0.000
26.183	0.000	0.00	0.00	0.00	0.0	0.000
26.200	0.000	0.00	0.00	0.00	0.0	0.000
26.216	0.000	0.00	0.00	0.00	0.0	0.000
26.233	0.000	0.00	0.00	0.00	0.0	0.000
26.250	0.000	0.00	0.00	0.00	0.0	0.000
26.266	0.000	0.00	0.00	0.00	0.0	0.000
26.283	0.000	0.00	0.00	0.00	0.0	0.000
26.300	0.000	0.00	0.00	0.00	0.0	0.000
26.316	0.000	0.00	0.00	0.00	0.0	0.000
26.333	0.000	0.00	0.00	0.00	0.0	0.000
26.350	0.000	0.00	0.00	0.00	0.0	0.000
26.366	0.000	0.00	0.00	0.00	0.0	0.000
26.383	0.000	0.00	0.00	0.00	0.0	0.000
26.400	0.000	0.00	0.00	0.00	0.0	0.000
26.416	0.000	0.00	0.00	0.00	0.0	0.000
26.433	0.000	0.00	0.00	0.00	0.0	0.000
26.450	0.000	0.00	0.00	0.00	0.0	0.000
26.466	0.000	0.00	0.00	0.00	0.0	0.000
26.483	0.000	0.00	0.00	0.00	0.0	0.000
26.500	0.000	0.00	0.00	0.00	0.0	0.000
26.516	0.000	0.00	0.00	0.00	0.0	0.000
26.533	0.000	0.00	0.00	0.00	0.0	0.000
26.550	0.000	0.00	0.00	0.00	0.0	0.000
26.566	0.000	0.00	0.00	0.00	0.0	0.000
26.583	0.000	0.00	0.00	0.00	0.0	0.000
26.600	0.000	0.00	0.00	0.00	0.0	0.000
26.616	0.000	0.00	0.00	0.00	0.0	0.000
26.633	0.000	0.00	0.00	0.00	0.0	0.000
26.650	0.000	0.00	0.00	0.00	0.0	0.000
26.666	0.000	0.00	0.00	0.00	0.0	0.000
26.683	0.000	0.00	0.00	0.00	0.0	0.000
26.700	0.000	0.00	0.00	0.00	0.0	0.000
26.716	0.000	0.00	0.00	0.00	0.0	0.000
26.733	0.000	0.00	0.00	0.00	0.0	0.000
26.750	0.000	0.00	0.00	0.00	0.0	0.000
26.766	0.000	0.00	0.00	0.00	0.0	0.000
26.783	0.000	0.00	0.00	0.00	0.0	0.000
26.800	0.000	0.00	0.00	0.00	0.0	0.000
26.816	0.000	0.00	0.00	0.00	0.0	0.000
26.833	0.000	0.00	0.00	0.00	0.0	0.000
26.850	0.000	0.00	0.00	0.00	0.0	0.000
26.866	0.000	0.00	0.00	0.00	0.0	0.000
26.883	0.000	0.00	0.00	0.00	0.0	0.000
26.900	0.000	0.00	0.00	0.00	0.0	0.000
26.916	0.000	0.00	0.00	0.00	0.0	0.000
26.933	0.000	0.00	0.00	0.00	0.0	0.000
26.950	0.000	0.00	0.00	0.00	0.0	0.000
26.966	0.000	0.00	0.00	0.00	0.0	0.000
26.983	0.000	0.00	0.00	0.00	0.0	0.000
27.000	0.000	0.00	0.00	0.00	0.0	0.000
27.016	0.000	0.00	0.00	0.00	0.0	0.000
27.033	0.000	0.00	0.00	0.00	0.0	0.000
27.050	0.000	0.00	0.00	0.00	0.0	0.000
27.066	0.000	0.00	0.00	0.00	0.0	0.000
27.083	0.000	0.00	0.00	0.00	0.0	0.000
27.100	0.000	0.00	0.00	0.00	0.0	0.000
27.116	0.000	0.00	0.00	0.00	0.0	0.000
27.133	0.000	0.00	0.00	0.00	0.0	0.000
27.150	0.000	0.00	0.00	0.00	0.0	0.000
27.166	0.000	0.00	0.00	0.00	0.0	0.000
27.183	0.000	0.00	0.00	0.00	0.0	0.000
27.200	0.000	0.00	0.00	0.00	0.0	0.000
27.216	0.000	0.00	0.00	0.00	0.0	0.000
27.233	0.000	0.00	0.00	0.00	0.0	0.000
27.250	0.000	0.00	0.00	0.00	0.0	0.000
27.266	0.000	0.00	0.00	0.00	0.0	0.000
27.283	0.000	0.00	0.00	0.00	0.0	0.000
27.300	0.000	0.00	0.00	0.00	0.0	0.000
27.316	0.000	0.00	0.00	0.00	0.0	0.000

27.333	0.000	0.00	0.00	0.00	0.0	0.000
27.350	0.000	0.00	0.00	0.00	0.0	0.000
27.366	0.000	0.00	0.00	0.00	0.0	0.000
27.383	0.000	0.00	0.00	0.00	0.0	0.000
27.400	0.000	0.00	0.00	0.00	0.0	0.000
27.416	0.000	0.00	0.00	0.00	0.0	0.000
27.433	0.000	0.00	0.00	0.00	0.0	0.000
27.450	0.000	0.00	0.00	0.00	0.0	0.000
27.466	0.000	0.00	0.00	0.00	0.0	0.000
27.483	0.000	0.00	0.00	0.00	0.0	0.000
27.500	0.000	0.00	0.00	0.00	0.0	0.000
27.516	0.000	0.00	0.00	0.00	0.0	0.000
27.533	0.000	0.00	0.00	0.00	0.0	0.000
27.550	0.000	0.00	0.00	0.00	0.0	0.000
27.566	0.000	0.00	0.00	0.00	0.0	0.000
27.583	0.000	0.00	0.00	0.00	0.0	0.000
27.600	0.000	0.00	0.00	0.00	0.0	0.000
27.616	0.000	0.00	0.00	0.00	0.0	0.000
27.633	0.000	0.00	0.00	0.00	0.0	0.000
27.650	0.000	0.00	0.00	0.00	0.0	0.000
27.666	0.000	0.00	0.00	0.00	0.0	0.000
27.683	0.000	0.00	0.00	0.00	0.0	0.000
27.700	0.000	0.00	0.00	0.00	0.0	0.000
27.716	0.000	0.00	0.00	0.00	0.0	0.000
27.733	0.000	0.00	0.00	0.00	0.0	0.000
27.750	0.000	0.00	0.00	0.00	0.0	0.000
27.766	0.000	0.00	0.00	0.00	0.0	0.000
27.783	0.000	0.00	0.00	0.00	0.0	0.000
27.800	0.000	0.00	0.00	0.00	0.0	0.000
27.816	0.000	0.00	0.00	0.00	0.0	0.000
27.833	0.000	0.00	0.00	0.00	0.0	0.000
27.850	0.000	0.00	0.00	0.00	0.0	0.000
27.866	0.000	0.00	0.00	0.00	0.0	0.000
27.883	0.000	0.00	0.00	0.00	0.0	0.000
27.900	0.000	0.00	0.00	0.00	0.0	0.000
27.916	0.000	0.00	0.00	0.00	0.0	0.000
27.933	0.000	0.00	0.00	0.00	0.0	0.000
27.950	0.000	0.00	0.00	0.00	0.0	0.000
27.966	0.000	0.00	0.00	0.00	0.0	0.000
27.983	0.000	0.00	0.00	0.00	0.0	0.000
28.000	0.000	0.00	0.00	0.00	0.0	0.000
28.016	0.000	0.00	0.00	0.00	0.0	0.000
28.033	0.000	0.00	0.00	0.00	0.0	0.000
28.050	0.000	0.00	0.00	0.00	0.0	0.000
28.066	0.000	0.00	0.00	0.00	0.0	0.000
28.083	0.000	0.00	0.00	0.00	0.0	0.000
28.100	0.000	0.00	0.00	0.00	0.0	0.000
28.116	0.000	0.00	0.00	0.00	0.0	0.000
28.133	0.000	0.00	0.00	0.00	0.0	0.000
28.150	0.000	0.00	0.00	0.00	0.0	0.000
28.166	0.000	0.00	0.00	0.00	0.0	0.000
28.183	0.000	0.00	0.00	0.00	0.0	0.000
28.200	0.000	0.00	0.00	0.00	0.0	0.000
28.216	0.000	0.00	0.00	0.00	0.0	0.000
28.233	0.000	0.00	0.00	0.00	0.0	0.000
28.250	0.000	0.00	0.00	0.00	0.0	0.000
28.266	0.000	0.00	0.00	0.00	0.0	0.000
28.283	0.000	0.00	0.00	0.00	0.0	0.000
28.300	0.000	0.00	0.00	0.00	0.0	0.000
28.316	0.000	0.00	0.00	0.00	0.0	0.000
28.333	0.000	0.00	0.00	0.00	0.0	0.000
28.350	0.000	0.00	0.00	0.00	0.0	0.000
28.366	0.000	0.00	0.00	0.00	0.0	0.000
28.383	0.000	0.00	0.00	0.00	0.0	0.000
28.400	0.000	0.00	0.00	0.00	0.0	0.000
28.416	0.000	0.00	0.00	0.00	0.0	0.000
28.433	0.000	0.00	0.00	0.00	0.0	0.000
28.450	0.000	0.00	0.00	0.00	0.0	0.000
28.466	0.000	0.00	0.00	0.00	0.0	0.000
28.483	0.000	0.00	0.00	0.00	0.0	0.000
28.500	0.000	0.00	0.00	0.00	0.0	0.000
28.516	0.000	0.00	0.00	0.00	0.0	0.000

28.533	0.000	0.00	0.00	0.00	0.0	0.000
28.550	0.000	0.00	0.00	0.00	0.0	0.000
28.566	0.000	0.00	0.00	0.00	0.0	0.000
28.583	0.000	0.00	0.00	0.00	0.0	0.000
28.600	0.000	0.00	0.00	0.00	0.0	0.000
28.616	0.000	0.00	0.00	0.00	0.0	0.000
28.633	0.000	0.00	0.00	0.00	0.0	0.000
28.650	0.000	0.00	0.00	0.00	0.0	0.000
28.666	0.000	0.00	0.00	0.00	0.0	0.000
28.683	0.000	0.00	0.00	0.00	0.0	0.000
28.700	0.000	0.00	0.00	0.00	0.0	0.000
28.716	0.000	0.00	0.00	0.00	0.0	0.000
28.733	0.000	0.00	0.00	0.00	0.0	0.000
28.750	0.000	0.00	0.00	0.00	0.0	0.000
28.766	0.000	0.00	0.00	0.00	0.0	0.000
28.783	0.000	0.00	0.00	0.00	0.0	0.000
28.800	0.000	0.00	0.00	0.00	0.0	0.000
28.816	0.000	0.00	0.00	0.00	0.0	0.000
28.833	0.000	0.00	0.00	0.00	0.0	0.000
28.850	0.000	0.00	0.00	0.00	0.0	0.000
28.866	0.000	0.00	0.00	0.00	0.0	0.000
28.883	0.000	0.00	0.00	0.00	0.0	0.000
28.900	0.000	0.00	0.00	0.00	0.0	0.000
28.916	0.000	0.00	0.00	0.00	0.0	0.000
28.933	0.000	0.00	0.00	0.00	0.0	0.000
28.950	0.000	0.00	0.00	0.00	0.0	0.000
28.966	0.000	0.00	0.00	0.00	0.0	0.000
28.983	0.000	0.00	0.00	0.00	0.0	0.000
29.000	0.000	0.00	0.00	0.00	0.0	0.000
29.016	0.000	0.00	0.00	0.00	0.0	0.000
29.033	0.000	0.00	0.00	0.00	0.0	0.000
29.050	0.000	0.00	0.00	0.00	0.0	0.000
29.066	0.000	0.00	0.00	0.00	0.0	0.000
29.083	0.000	0.00	0.00	0.00	0.0	0.000
29.100	0.000	0.00	0.00	0.00	0.0	0.000
29.116	0.000	0.00	0.00	0.00	0.0	0.000
29.133	0.000	0.00	0.00	0.00	0.0	0.000
29.150	0.000	0.00	0.00	0.00	0.0	0.000
29.166	0.000	0.00	0.00	0.00	0.0	0.000
29.183	0.000	0.00	0.00	0.00	0.0	0.000
29.200	0.000	0.00	0.00	0.00	0.0	0.000
29.216	0.000	0.00	0.00	0.00	0.0	0.000
29.233	0.000	0.00	0.00	0.00	0.0	0.000
29.250	0.000	0.00	0.00	0.00	0.0	0.000
29.266	0.000	0.00	0.00	0.00	0.0	0.000
29.283	0.000	0.00	0.00	0.00	0.0	0.000
29.300	0.000	0.00	0.00	0.00	0.0	0.000
29.316	0.000	0.00	0.00	0.00	0.0	0.000
29.333	0.000	0.00	0.00	0.00	0.0	0.000
29.350	0.000	0.00	0.00	0.00	0.0	0.000
29.366	0.000	0.00	0.00	0.00	0.0	0.000
29.383	0.000	0.00	0.00	0.00	0.0	0.000
29.400	0.000	0.00	0.00	0.00	0.0	0.000
29.416	0.000	0.00	0.00	0.00	0.0	0.000
29.433	0.000	0.00	0.00	0.00	0.0	0.000
29.450	0.000	0.00	0.00	0.00	0.0	0.000
29.466	0.000	0.00	0.00	0.00	0.0	0.000
29.483	0.000	0.00	0.00	0.00	0.0	0.000
29.500	0.000	0.00	0.00	0.00	0.0	0.000
29.516	0.000	0.00	0.00	0.00	0.0	0.000
29.533	0.000	0.00	0.00	0.00	0.0	0.000
29.550	0.000	0.00	0.00	0.00	0.0	0.000
29.566	0.000	0.00	0.00	0.00	0.0	0.000
29.583	0.000	0.00	0.00	0.00	0.0	0.000
29.600	0.000	0.00	0.00	0.00	0.0	0.000
29.616	0.000	0.00	0.00	0.00	0.0	0.000
29.633	0.000	0.00	0.00	0.00	0.0	0.000
29.650	0.000	0.00	0.00	0.00	0.0	0.000
29.666	0.000	0.00	0.00	0.00	0.0	0.000
29.683	0.000	0.00	0.00	0.00	0.0	0.000
29.700	0.000	0.00	0.00	0.00	0.0	0.000
29.716	0.000	0.00	0.00	0.00	0.0	0.000

29.733	0.000	0.00	0.00	0.00	0.0	0.000
29.750	0.000	0.00	0.00	0.00	0.0	0.000
29.766	0.000	0.00	0.00	0.00	0.0	0.000
29.783	0.000	0.00	0.00	0.00	0.0	0.000
29.800	0.000	0.00	0.00	0.00	0.0	0.000
29.816	0.000	0.00	0.00	0.00	0.0	0.000
29.833	0.000	0.00	0.00	0.00	0.0	0.000
29.850	0.000	0.00	0.00	0.00	0.0	0.000
29.866	0.000	0.00	0.00	0.00	0.0	0.000
29.883	0.000	0.00	0.00	0.00	0.0	0.000
29.900	0.000	0.00	0.00	0.00	0.0	0.000
29.916	0.000	0.00	0.00	0.00	0.0	0.000
29.933	0.000	0.00	0.00	0.00	0.0	0.000
29.950	0.000	0.00	0.00	0.00	0.0	0.000
29.966	0.000	0.00	0.00	0.00	0.0	0.000
29.983	0.000	0.00	0.00	0.00	0.0	0.000
30.000	0.000	0.00	0.00	0.00	0.0	0.000
30.016	0.000	0.00	0.00	0.00	0.0	0.000
30.033	0.000	0.00	0.00	0.00	0.0	0.000
30.050	0.000	0.00	0.00	0.00	0.0	0.000
30.066	0.000	0.00	0.00	0.00	0.0	0.000
30.083	0.000	0.00	0.00	0.00	0.0	0.000
30.100	0.000	0.00	0.00	0.00	0.0	0.000
30.116	0.000	0.00	0.00	0.00	0.0	0.000
30.133	0.000	0.00	0.00	0.00	0.0	0.000
30.150	0.000	0.00	0.00	0.00	0.0	0.000
30.166	0.000	0.00	0.00	0.00	0.0	0.000
30.183	0.000	0.00	0.00	0.00	0.0	0.000
30.200	0.000	0.00	0.00	0.00	0.0	0.000
30.216	0.000	0.00	0.00	0.00	0.0	0.000
30.233	0.000	0.00	0.00	0.00	0.0	0.000
30.250	0.000	0.00	0.00	0.00	0.0	0.000
30.266	0.000	0.00	0.00	0.00	0.0	0.000
30.283	0.000	0.00	0.00	0.00	0.0	0.000
30.300	0.000	0.00	0.00	0.00	0.0	0.000
30.316	0.000	0.00	0.00	0.00	0.0	0.000
30.333	0.000	0.00	0.00	0.00	0.0	0.000
30.350	0.000	0.00	0.00	0.00	0.0	0.000
30.366	0.000	0.00	0.00	0.00	0.0	0.000
30.383	0.000	0.00	0.00	0.00	0.0	0.000
30.400	0.000	0.00	0.00	0.00	0.0	0.000
30.416	0.000	0.00	0.00	0.00	0.0	0.000
30.433	0.000	0.00	0.00	0.00	0.0	0.000
30.450	0.000	0.00	0.00	0.00	0.0	0.000
30.466	0.000	0.00	0.00	0.00	0.0	0.000
30.483	0.000	0.00	0.00	0.00	0.0	0.000
30.500	0.000	0.00	0.00	0.00	0.0	0.000
30.516	0.000	0.00	0.00	0.00	0.0	0.000
30.533	0.000	0.00	0.00	0.00	0.0	0.000
30.550	0.000	0.00	0.00	0.00	0.0	0.000
30.566	0.000	0.00	0.00	0.00	0.0	0.000
30.583	0.000	0.00	0.00	0.00	0.0	0.000
30.600	0.000	0.00	0.00	0.00	0.0	0.000
30.616	0.000	0.00	0.00	0.00	0.0	0.000
30.633	0.000	0.00	0.00	0.00	0.0	0.000
30.650	0.000	0.00	0.00	0.00	0.0	0.000
30.666	0.000	0.00	0.00	0.00	0.0	0.000
30.683	0.000	0.00	0.00	0.00	0.0	0.000
30.700	0.000	0.00	0.00	0.00	0.0	0.000
30.716	0.000	0.00	0.00	0.00	0.0	0.000
30.733	0.000	0.00	0.00	0.00	0.0	0.000
30.750	0.000	0.00	0.00	0.00	0.0	0.000
30.766	0.000	0.00	0.00	0.00	0.0	0.000
30.783	0.000	0.00	0.00	0.00	0.0	0.000
30.800	0.000	0.00	0.00	0.00	0.0	0.000
30.816	0.000	0.00	0.00	0.00	0.0	0.000
30.833	0.000	0.00	0.00	0.00	0.0	0.000
30.850	0.000	0.00	0.00	0.00	0.0	0.000
30.866	0.000	0.00	0.00	0.00	0.0	0.000
30.883	0.000	0.00	0.00	0.00	0.0	0.000
30.900	0.000	0.00	0.00	0.00	0.0	0.000
30.916	0.000	0.00	0.00	0.00	0.0	0.000

30.933	0.000	0.00	0.00	0.00	0.0	0.000
30.950	0.000	0.00	0.00	0.00	0.0	0.000
30.966	0.000	0.00	0.00	0.00	0.0	0.000
30.983	0.000	0.00	0.00	0.00	0.0	0.000
31.000	0.000	0.00	0.00	0.00	0.0	0.000
31.016	0.000	0.00	0.00	0.00	0.0	0.000
31.033	0.000	0.00	0.00	0.00	0.0	0.000
31.050	0.000	0.00	0.00	0.00	0.0	0.000
31.066	0.000	0.00	0.00	0.00	0.0	0.000
31.083	0.000	0.00	0.00	0.00	0.0	0.000
31.100	0.000	0.00	0.00	0.00	0.0	0.000
31.116	0.000	0.00	0.00	0.00	0.0	0.000
31.133	0.000	0.00	0.00	0.00	0.0	0.000
31.150	0.000	0.00	0.00	0.00	0.0	0.000
31.166	0.000	0.00	0.00	0.00	0.0	0.000
31.183	0.000	0.00	0.00	0.00	0.0	0.000
31.200	0.000	0.00	0.00	0.00	0.0	0.000
31.216	0.000	0.00	0.00	0.00	0.0	0.000
31.233	0.000	0.00	0.00	0.00	0.0	0.000
31.250	0.000	0.00	0.00	0.00	0.0	0.000
31.266	0.000	0.00	0.00	0.00	0.0	0.000
31.283	0.000	0.00	0.00	0.00	0.0	0.000
31.300	0.000	0.00	0.00	0.00	0.0	0.000
31.316	0.000	0.00	0.00	0.00	0.0	0.000
31.333	0.000	0.00	0.00	0.00	0.0	0.000
31.350	0.000	0.00	0.00	0.00	0.0	0.000
31.366	0.000	0.00	0.00	0.00	0.0	0.000
31.383	0.000	0.00	0.00	0.00	0.0	0.000
31.400	0.000	0.00	0.00	0.00	0.0	0.000
31.416	0.000	0.00	0.00	0.00	0.0	0.000
31.433	0.000	0.00	0.00	0.00	0.0	0.000
31.450	0.000	0.00	0.00	0.00	0.0	0.000
31.466	0.000	0.00	0.00	0.00	0.0	0.000
31.483	0.000	0.00	0.00	0.00	0.0	0.000
31.500	0.000	0.00	0.00	0.00	0.0	0.000
31.516	0.000	0.00	0.00	0.00	0.0	0.000
31.533	0.000	0.00	0.00	0.00	0.0	0.000
31.550	0.000	0.00	0.00	0.00	0.0	0.000
31.566	0.000	0.00	0.00	0.00	0.0	0.000
31.583	0.000	0.00	0.00	0.00	0.0	0.000
31.600	0.000	0.00	0.00	0.00	0.0	0.000
31.616	0.000	0.00	0.00	0.00	0.0	0.000
31.633	0.000	0.00	0.00	0.00	0.0	0.000
31.650	0.000	0.00	0.00	0.00	0.0	0.000
31.666	0.000	0.00	0.00	0.00	0.0	0.000
31.683	0.000	0.00	0.00	0.00	0.0	0.000
31.700	0.000	0.00	0.00	0.00	0.0	0.000
31.716	0.000	0.00	0.00	0.00	0.0	0.000
31.733	0.000	0.00	0.00	0.00	0.0	0.000
31.750	0.000	0.00	0.00	0.00	0.0	0.000
31.766	0.000	0.00	0.00	0.00	0.0	0.000
31.783	0.000	0.00	0.00	0.00	0.0	0.000
31.800	0.000	0.00	0.00	0.00	0.0	0.000
31.816	0.000	0.00	0.00	0.00	0.0	0.000
31.833	0.000	0.00	0.00	0.00	0.0	0.000
31.850	0.000	0.00	0.00	0.00	0.0	0.000
31.866	0.000	0.00	0.00	0.00	0.0	0.000
31.883	0.000	0.00	0.00	0.00	0.0	0.000
31.900	0.000	0.00	0.00	0.00	0.0	0.000
31.916	0.000	0.00	0.00	0.00	0.0	0.000
31.933	0.000	0.00	0.00	0.00	0.0	0.000
31.950	0.000	0.00	0.00	0.00	0.0	0.000
31.966	0.000	0.00	0.00	0.00	0.0	0.000
31.983	0.000	0.00	0.00	0.00	0.0	0.000
32.000	0.000	0.00	0.00	0.00	0.0	0.000
32.016	0.000	0.00	0.00	0.00	0.0	0.000
32.033	0.000	0.00	0.00	0.00	0.0	0.000
32.050	0.000	0.00	0.00	0.00	0.0	0.000
32.066	0.000	0.00	0.00	0.00	0.0	0.000
32.083	0.000	0.00	0.00	0.00	0.0	0.000
32.100	0.000	0.00	0.00	0.00	0.0	0.000
32.116	0.000	0.00	0.00	0.00	0.0	0.000

32.133	0.000	0.00	0.00	0.00	0.0	0.000
32.150	0.000	0.00	0.00	0.00	0.0	0.000
32.166	0.000	0.00	0.00	0.00	0.0	0.000
32.183	0.000	0.00	0.00	0.00	0.0	0.000
32.200	0.000	0.00	0.00	0.00	0.0	0.000
32.216	0.000	0.00	0.00	0.00	0.0	0.000
32.233	0.000	0.00	0.00	0.00	0.0	0.000
32.250	0.000	0.00	0.00	0.00	0.0	0.000
32.266	0.000	0.00	0.00	0.00	0.0	0.000
32.283	0.000	0.00	0.00	0.00	0.0	0.000
32.300	0.000	0.00	0.00	0.00	0.0	0.000
32.316	0.000	0.00	0.00	0.00	0.0	0.000
32.333	0.000	0.00	0.00	0.00	0.0	0.000
32.350	0.000	0.00	0.00	0.00	0.0	0.000
32.366	0.000	0.00	0.00	0.00	0.0	0.000
32.383	0.000	0.00	0.00	0.00	0.0	0.000
32.400	0.000	0.00	0.00	0.00	0.0	0.000
32.416	0.000	0.00	0.00	0.00	0.0	0.000
32.433	0.000	0.00	0.00	0.00	0.0	0.000
32.450	0.000	0.00	0.00	0.00	0.0	0.000
32.466	0.000	0.00	0.00	0.00	0.0	0.000
32.483	0.000	0.00	0.00	0.00	0.0	0.000
32.500	0.000	0.00	0.00	0.00	0.0	0.000
32.516	0.000	0.00	0.00	0.00	0.0	0.000
32.533	0.000	0.00	0.00	0.00	0.0	0.000
32.550	0.000	0.00	0.00	0.00	0.0	0.000
32.566	0.000	0.00	0.00	0.00	0.0	0.000
32.583	0.000	0.00	0.00	0.00	0.0	0.000
32.600	0.000	0.00	0.00	0.00	0.0	0.000
32.616	0.000	0.00	0.00	0.00	0.0	0.000
32.633	0.000	0.00	0.00	0.00	0.0	0.000
32.650	0.000	0.00	0.00	0.00	0.0	0.000
32.666	0.000	0.00	0.00	0.00	0.0	0.000
32.683	0.000	0.00	0.00	0.00	0.0	0.000
32.700	0.000	0.00	0.00	0.00	0.0	0.000
32.716	0.000	0.00	0.00	0.00	0.0	0.000
32.733	0.000	0.00	0.00	0.00	0.0	0.000
32.750	0.000	0.00	0.00	0.00	0.0	0.000
32.766	0.000	0.00	0.00	0.00	0.0	0.000
32.783	0.000	0.00	0.00	0.00	0.0	0.000
32.800	0.000	0.00	0.00	0.00	0.0	0.000
32.816	0.000	0.00	0.00	0.00	0.0	0.000
32.833	0.000	0.00	0.00	0.00	0.0	0.000
32.850	0.000	0.00	0.00	0.00	0.0	0.000
32.866	0.000	0.00	0.00	0.00	0.0	0.000
32.883	0.000	0.00	0.00	0.00	0.0	0.000
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32.950	0.000	0.00	0.00	0.00	0.0	0.000
32.966	0.000	0.00	0.00	0.00	0.0	0.000
32.983	0.000	0.00	0.00	0.00	0.0	0.000
33.000	0.000	0.00	0.00	0.00	0.0	0.000
33.016	0.000	0.00	0.00	0.00	0.0	0.000
33.033	0.000	0.00	0.00	0.00	0.0	0.000
33.050	0.000	0.00	0.00	0.00	0.0	0.000
33.066	0.000	0.00	0.00	0.00	0.0	0.000
33.083	0.000	0.00	0.00	0.00	0.0	0.000
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33.183	0.000	0.00	0.00	0.00	0.0	0.000
33.200	0.000	0.00	0.00	0.00	0.0	0.000
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33.283	0.000	0.00	0.00	0.00	0.0	0.000
33.300	0.000	0.00	0.00	0.00	0.0	0.000
33.316	0.000	0.00	0.00	0.00	0.0	0.000

33.333	0.000	0.00	0.00	0.00	0.0	0.000
33.350	0.000	0.00	0.00	0.00	0.0	0.000
33.366	0.000	0.00	0.00	0.00	0.0	0.000
33.383	0.000	0.00	0.00	0.00	0.0	0.000
33.400	0.000	0.00	0.00	0.00	0.0	0.000
33.416	0.000	0.00	0.00	0.00	0.0	0.000
33.433	0.000	0.00	0.00	0.00	0.0	0.000
33.450	0.000	0.00	0.00	0.00	0.0	0.000
33.466	0.000	0.00	0.00	0.00	0.0	0.000
33.483	0.000	0.00	0.00	0.00	0.0	0.000
33.500	0.000	0.00	0.00	0.00	0.0	0.000
33.516	0.000	0.00	0.00	0.00	0.0	0.000
33.533	0.000	0.00	0.00	0.00	0.0	0.000
33.550	0.000	0.00	0.00	0.00	0.0	0.000
33.566	0.000	0.00	0.00	0.00	0.0	0.000
33.583	0.000	0.00	0.00	0.00	0.0	0.000
33.600	0.000	0.00	0.00	0.00	0.0	0.000
33.616	0.000	0.00	0.00	0.00	0.0	0.000
33.633	0.000	0.00	0.00	0.00	0.0	0.000
33.650	0.000	0.00	0.00	0.00	0.0	0.000
33.666	0.000	0.00	0.00	0.00	0.0	0.000
33.683	0.000	0.00	0.00	0.00	0.0	0.000
33.700	0.000	0.00	0.00	0.00	0.0	0.000
33.716	0.000	0.00	0.00	0.00	0.0	0.000
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33.750	0.000	0.00	0.00	0.00	0.0	0.000
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33.783	0.000	0.00	0.00	0.00	0.0	0.000
33.800	0.000	0.00	0.00	0.00	0.0	0.000
33.816	0.000	0.00	0.00	0.00	0.0	0.000
33.833	0.000	0.00	0.00	0.00	0.0	0.000
33.850	0.000	0.00	0.00	0.00	0.0	0.000
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33.883	0.000	0.00	0.00	0.00	0.0	0.000
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33.950	0.000	0.00	0.00	0.00	0.0	0.000
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34.050	0.000	0.00	0.00	0.00	0.0	0.000
34.066	0.000	0.00	0.00	0.00	0.0	0.000
34.083	0.000	0.00	0.00	0.00	0.0	0.000
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34.116	0.000	0.00	0.00	0.00	0.0	0.000
34.133	0.000	0.00	0.00	0.00	0.0	0.000
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34.166	0.000	0.00	0.00	0.00	0.0	0.000
34.183	0.000	0.00	0.00	0.00	0.0	0.000
34.200	0.000	0.00	0.00	0.00	0.0	0.000
34.216	0.000	0.00	0.00	0.00	0.0	0.000
34.233	0.000	0.00	0.00	0.00	0.0	0.000
34.250	0.000	0.00	0.00	0.00	0.0	0.000
34.266	0.000	0.00	0.00	0.00	0.0	0.000
34.283	0.000	0.00	0.00	0.00	0.0	0.000
34.300	0.000	0.00	0.00	0.00	0.0	0.000
34.316	0.000	0.00	0.00	0.00	0.0	0.000
34.333	0.000	0.00	0.00	0.00	0.0	0.000
34.350	0.000	0.00	0.00	0.00	0.0	0.000
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34.383	0.000	0.00	0.00	0.00	0.0	0.000
34.400	0.000	0.00	0.00	0.00	0.0	0.000
34.416	0.000	0.00	0.00	0.00	0.0	0.000
34.433	0.000	0.00	0.00	0.00	0.0	0.000
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34.466	0.000	0.00	0.00	0.00	0.0	0.000
34.483	0.000	0.00	0.00	0.00	0.0	0.000
34.500	0.000	0.00	0.00	0.00	0.0	0.000
34.516	0.000	0.00	0.00	0.00	0.0	0.000

34.533	0.000	0.00	0.00	0.00	0.0	0.000
34.550	0.000	0.00	0.00	0.00	0.0	0.000
34.566	0.000	0.00	0.00	0.00	0.0	0.000
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34.700	0.000	0.00	0.00	0.00	0.0	0.000
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34.766	0.000	0.00	0.00	0.00	0.0	0.000
34.783	0.000	0.00	0.00	0.00	0.0	0.000
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34.950	0.000	0.00	0.00	0.00	0.0	0.000
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34.983	0.000	0.00	0.00	0.00	0.0	0.000
35.000	0.000	0.00	0.00	0.00	0.0	0.000
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35.033	0.000	0.00	0.00	0.00	0.0	0.000
35.050	0.000	0.00	0.00	0.00	0.0	0.000
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35.283	0.000	0.00	0.00	0.00	0.0	0.000
35.300	0.000	0.00	0.00	0.00	0.0	0.000
35.316	0.000	0.00	0.00	0.00	0.0	0.000
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35.383	0.000	0.00	0.00	0.00	0.0	0.000
35.400	0.000	0.00	0.00	0.00	0.0	0.000
35.416	0.000	0.00	0.00	0.00	0.0	0.000
35.433	0.000	0.00	0.00	0.00	0.0	0.000
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35.500	0.000	0.00	0.00	0.00	0.0	0.000
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35.533	0.000	0.00	0.00	0.00	0.0	0.000
35.550	0.000	0.00	0.00	0.00	0.0	0.000
35.566	0.000	0.00	0.00	0.00	0.0	0.000
35.583	0.000	0.00	0.00	0.00	0.0	0.000
35.600	0.000	0.00	0.00	0.00	0.0	0.000
35.616	0.000	0.00	0.00	0.00	0.0	0.000
35.633	0.000	0.00	0.00	0.00	0.0	0.000
35.650	0.000	0.00	0.00	0.00	0.0	0.000
35.666	0.000	0.00	0.00	0.00	0.0	0.000
35.683	0.000	0.00	0.00	0.00	0.0	0.000
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35.716	0.000	0.00	0.00	0.00	0.0	0.000

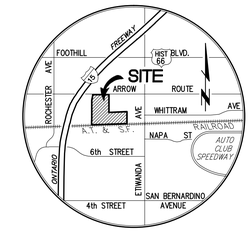
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          35.766        0.000     0.00     0.00      0.00      0.0      0.000
          35.783        0.000     0.00     0.00      0.00      0.0      0.000
          35.800        0.000     0.00     0.00      0.00      0.0      0.000
          35.816        0.000     0.00     0.00      0.00      0.0      0.000
          35.833        0.000     0.00     0.00      0.00      0.0      0.000
          35.850        0.000     0.00     0.00      0.00      0.0      0.000
          35.866        0.000     0.00     0.00      0.00      0.0      0.000
          35.883        0.000     0.00     0.00      0.00      0.0      0.000
          35.900        0.000     0.00     0.00      0.00      0.0      0.000
          35.916        0.000     0.00     0.00      0.00      0.0      0.000
          35.933        0.000     0.00     0.00      0.00      0.0      0.000
          35.950        0.000     0.00     0.00      0.00      0.0      0.000
          35.966        0.000     0.00     0.00      0.00      0.0      0.000
          35.983        0.000     0.00     0.00      0.00      0.0      0.000
          36.000        0.000     0.00     0.00      0.00      0.0      0.000
-------------------------------------------------------------------------------
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =      5.412 AF
    BASIN  STORAGE =      0.000 AF (WITH      0.000 AF INITIALLY FILLED)
    OUTFLOW VOLUME =      5.412 AF
    LOSS    VOLUME =      0.000 AF
===============================================================================

  END OF FLOODSCx ROUTING ANALYSIS
```

APPENDIX D

HYDROLOGY MAPS





VICINITY MAP
N.T.S.

0 50 100 200 300
SCALE: 1"=100'

CITY OF RANCHO CUCAMONGA
PUBLIC WORKS DEPARTMENT

HYDROLOGY MAP
EXISTING CONDITION

ARROW ROUTE AND JUNEBERRY DRIVE
RANCHO CUCAMONGA

4021/1 OF 1 SHEET

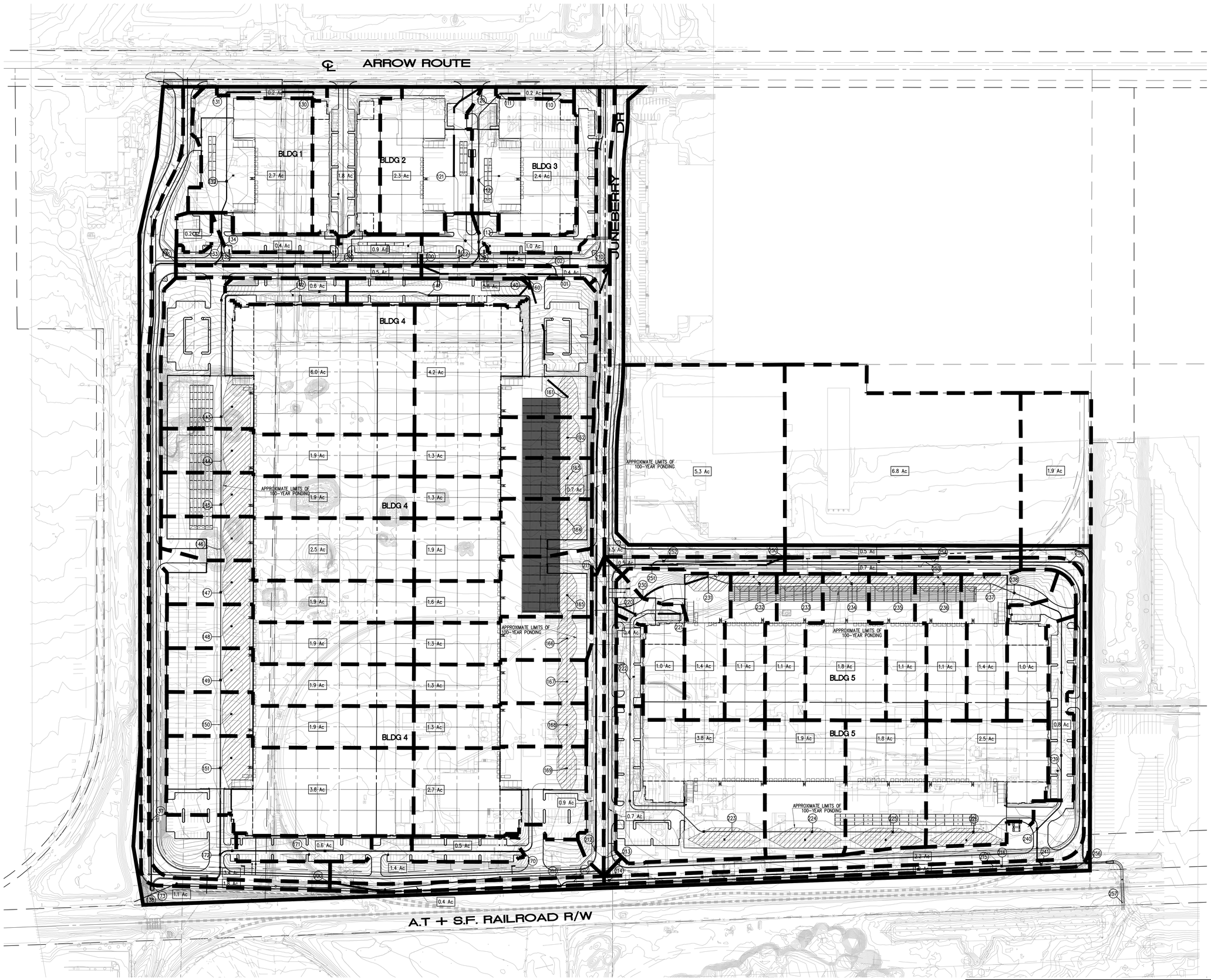
PREPARED FOR:
BLACK CREEK GROUP
4675 MACARTHUR COURT, SUITE 625
NEWPORT BEACH, CA 92660
PHONE: (949) 892-4900
CONTACT: CHRIS SANFORD
chris.sanford@blackcreekgroup.com

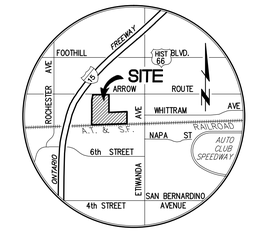
PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173
Last Update:5/17/23
O:\4000-4099\4021\4021HYD-EX.dwg

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 1 of 1 Sheets





VICINITY MAP

N.T.S.

LEGEND

- PROJECT BOUNDARY
- SUBAREA BOUNDARY
- FLOW PATH
- 4.10 AC. — SUBAREA AREA
- 100 — NODE NUMBER
- APPROXIMATE LIMITS OF 100-YEAR PONDING

0 50 100 200 300

SCALE: 1"=100'

CITY OF ONTARIO

PUBLIC WORKS DEPARTMENT

PROPOSED CONDITION HYDROLOGY MAP

ARROW ROUTE AND JUNEBERRY DRIVE
RANCHO CUCAMONGA

4021/ 1 OF 1 SHEET

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Sheet 1 of 1 Sheets

ASTM E1527-21
Phase I Environmental Site Assessment
User Questionnaire

INTRODUCTION

In order to qualify for one of the *Landowner Liability Protections (LLPs)*[1] offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"),[2] the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

(1.) Environmental liens that are filed or recorded against the *property* (40 CFR 312.25).

Did a search of *recorded land title records* (or judicial records where appropriate, see *Note 1* below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law? Search performed and did not find or not aware of any environmental lines.

Note 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(2.) Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and vi)).

Did a search of *recorded land title records* (or judicial records where appropriate, see *Note 1* above) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law? Search performed and did not find or not aware of any AULs.

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business? Not in the same line of business and do not have any knowledge related to these issues.

[1] *Landowner Liability Protections*, or *LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability* ("*Common Elements*" Guide) issued on March 6, 2003.
[2] P.L. 107-118.

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*? The property was purchased in December 2021.

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? Refer to the Current Conditions Report provided.

For example,

(a.) Do you know the past uses of the *property*? Former steel fabrication facility.

(b.) Do you know of specific chemicals that are present or once were present at the *property*? No. Refer to the Current Conditions Report provided.

(c.) Do you know of spills or other chemical releases that have taken place at the *property*? No. Refer to the Current Conditions Report provided.

(d.) Do you know of any environmental cleanups that have taken place at the *property*? Refer to the Current Conditions Report provided.

(6.) The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*? Refer to the Current Conditions Report provided.

In addition, certain information should be collected, if available, and provided to the *environmental professional* conducting the *Phase I Environmental Site Assessment*. This information is intended to assist the *environmental professional*, but is not necessarily required to qualify for one of the *LLPs*. The information includes:

(a) the reason why the Phase I is being performed,

(b) the type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.,

(c) the complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful),

(d) the scope of services desired for the Phase I ESA (including whether any parties to the *property* transaction may have a required standard scope of services or whether any considerations beyond the requirements of Practice E1527 are to be considered),

(e) identification of all parties who will rely on the Phase I *report*,

(f) identification of the site contact and how the contact can be reached,

(g) any special terms and conditions which must be agreed upon by the *environmental professional*, and

(h) any other knowledge or experience with the *property* that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the *property* and its environmental condition).

The *USER* QUESTIONNAIRE was completed by:

Name: Carlos Palafox

Title: Vice President, Development

Firm: Ares Management

Address: 4675 MacArthur Court, Suite 625, Newport Beach,

CA 92660

Phone Number (office) (949) 892-4832

_____ (cell)_____

User represents that to the best of the *user's* knowledge the above statements and facts are true and correct, and, to the best of the *user's* knowledge, no material facts have been suppressed or misstated.

User's Signature Date

Phase I Environmental Site Assessment

12451 Arrow Route
Rancho Cucamonga, California

December 27, 2021

Prepared for:

BTC III Acquisitions LLC

Prepared by:

Roux Associates, Inc.
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California, 90804

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Executive Summary

BTC III Acquisitions LLC (the User) retained Roux Associates, Inc. (Roux) to perform a Phase I Environmental Site Assessment (ESA) of the property located at 12451 Arrow Route, Rancho Cucamonga, San Bernardino County, California (the Site), Assessor's Parcel Numbers (APNs) 0229-121-34, 0229-121-33, 0229-131-19, and 0229-121-35 (Parcels 1 through 4, respectively). Roux performed this Phase I ESA in general accordance with the American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13) in an effort to identify, to the extent feasible, the presence of recognized environmental conditions (RECs) with respect to the Site as defined in ASTM E1527-13. Exceptions to, or deletions from, this practice are described in Section 8.1 of this report.

The Site consists of approximately 95 acres of land bound by Arrow Route to the north and the Atchison Topeka and Santa Fe Railroad (Railroad) to the south and is accessible via Arrow Route and Juneberry Drive. The Site is primarily occupied by Commercial Metals Company (CMC), an inactive steel mill. The Site is also occupied by CMC Rebar, a limited rebar manufacturing facility, and Phoenix Industries, a slag processing facility. The Site operated as a steel mill from the 1950s until 2019 when milling operations were phased out. The main address for the Site is 12451 Arrow Route. However, additional addresses used at the Site include 12343, 12353, 12455, and 12459-B Arrow Route. As noted above, the Site consists of four parcels (Parcels 1 through 4) described below and shown on Figure 2.

- Parcel 1 is located in the western portion of the Site and is not developed with any permanent structures. CMC utilized the northern portion of Parcel 1 as an equipment boneyard and the southern portion for storage of steel billets. The majority of Parcel 1 is vacant with some equipment storage in the northern portion and processed slag storage in the central portion.

- Parcel 2 is located in the central and southern portions of the Site. The northern area of Parcel 2 is partially occupied by Phoenix Industries, a steel slag processing tenant. On-Site operations consist of mechanical crushing and sorting of steel slag for off-Site use as aggregate material. No chemical processing of steel slag is conducted on Site. No permanent structures were observed in this area. The northern portion of Parcel 2 was historically used for storage of scrap metal for processing and steel slag that was produced on Site. The southern portion of Parcel 2 is developed with the inactive CMC steel mill. The primary structure in this area is the primary processing building (melt shop) previously equipped with an electric arc furnace (EAF) for melting scrap metal.

- Parcel 3 is located in the eastern portion of the Site. The northern area of Parcel 3 is equipped with the CMC main office building, fueling station, and a vacant area previously used for rebar storage. The southern portion of Parcel 3 is developed with the inactive milling and rolling building.

- Parcel 4 is located in the northern portion of the Site and is occupied by CMC Rebar which operates a limited rebar fabrication facility.

Based on Roux's review of historical sources, the following is a summary of the history of the Site. The Site was developed for agricultural use (row crops) from at least 1938 until 1954. A small structure was added to the southeastern corner of the Site in 1953. This feature is in the approximate location of a groundwater well and water tower. By 1959, the eastern portion of Parcel 3 was developed with the milling and rolling improvements, paved parking areas, an outdoor storage yard, office building, water tower, and multiple rail spurs. The remaining Site Parcels continued to be developed for agricultural use through at least 1973. By 1975, Parcel 2 and the southern portion of Parcel 1 were graded and likely used for storage of raw, finished,

or waste materials including billets, scrap metals, and slag. The northern portion of the Site remained agricultural until 1981. By 1985, agricultural operations had ceased, and the Site was primarily developed for industrial use. The melt shop and EAF improvements as well as outdoor storage yards were added to Parcels 2 and 3. The current office and fabrication building in Parcel 2 was added by 1990. Major operations from the 1980s through 2019 included receiving of steel scrap, melting of steel scrap, production and fabrication of rebar, and processing of steel slag.

On September 2, 2021, Roux visually assessed the Site during the site reconnaissance for potential RECs, including, but not limited to, potential underground storage tanks (USTs), aboveground storage tanks (ASTs), polychlorinated biphenyl (PCB)-containing equipment, hazardous materials storage or handling areas, containerized or bulk wastes, and visual indications of impacted soil.

Roux also performed a records review in an effort to identify RECs in connection with the Site. This records review addressed the Site and surrounding properties. Roux reviewed commercially available records associated with the Site and nearby properties to assess potential concerns associated with the migration of hazardous substances. The records review also included reasonably ascertainable historical data, which can be helpful in identifying the past uses of the Site and surrounding areas, as it may relate to the environmental condition of the Site.

Roux performed interviews and/or file reviews with various government agencies and other parties with possible knowledge of the Site and surrounding properties in an effort to identify current and past uses of the Site and surrounding areas, as they may relate to the environmental condition of the Site.

ASTM E 1527-13 defines a Recognized Environmental Condition (REC) as:

> "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

A Controlled Recognized Environmental Condition (cREC) as:

> "A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

And a Historical Recognized Environmental Condition (hREC) as:

> "A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a *recognized* environmental condition at the time the Phase I Environmental Site Assessment is

conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition."

This Executive Summary provides a brief overview of the findings of this Phase I ESA. Although the Executive Summary is an integral part of a report, it does not substitute for reading the entire report or the appended or referenced documents in order to fully understand the findings and potential environmental concerns associated with the Site.

Recognized Environmental Conditions (RECs)

Based on the information obtained through the performance of this ESA, Roux identified the following RECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the RECs are shown in Figure 2. To avoid confusion, all RECs, cRECs, hRECs, and other environmental features (OEFs) are numbered sequentially.

REC 1 - Site-Wide TPH and Metals Impacts to Soil and VOC impacts to Soil Vapor. Ramboll US Consulting, Inc. (Ramboll) conducted a Phase I ESA and Phase II Subsurface Investigation of the Site in April and June 2021. The subsurface investigation targeted features of concerns (discussed below) and included Site-wide grid sampling. Soil vapor data collected by Ramboll showed screening level (SL) exceedances for chloroform (in three locations), benzene (in two locations), and tetrachloroethene (PCE) (in six locations). Soil data collected by Ramboll and historically by other investigators identified SL exceedances of total petroleum hydrocarbons in the diesel range (TPH-d) and metals in soil. Metals concentrations for cadmium, lead, and zinc exceeded total threshold limit concentration (TTLC) and/or toxicity characteristic leaching procedure (TCLP), which for disposal purposes would classify these soils as hazardous. Detections of volatile organic compounds (VOCs), TPH-d, and metals above SLs are considered a REC in the context of this Phase I ESA.

REC 2 – Rail Spurs. Rail spurs have been in place on Site at Parcels 2 and 3 since at least 1959. Railroad spurs represent environmental concerns due to the historical application of oils containing PCBs, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material. In addition, due to the historical use of the subject property for industrial purposes, the possibility for spills of hazardous substances and/or petroleum products during loading and unloading of railcars represents a concern. Based on the historical industrial use of the Site and age of these features, the on-Site rail spurs are considered a REC in the context of this Phase I ESA.

REC 3 – Current Diesel and Gasoline Underground Storage Tank. The Site features a fueling station equipped with one 12,000-gallon dual-compartment UST, located to the north of the main office building on Parcel 3. The UST is of steel and fiberglass construction and consists of one 10,000-gallon diesel compartment and one 2,000-gallon gasoline compartment. According to on-Site personnel, both tank compartments were drained within the last year and there are no plans to refill them. The active UST area was assessed as part of Ramboll's 2021 Site investigation. No constituents of concern were identified above regulatory screening levels in soil and soil vapor samples collected in the vicinity of the active UST. Based on the long history of industrial operations at the Site and unknown age of this tank, there is a reasonable likelihood of a release of gasoline and/or diesel to the subsurface at the Site.

Further investigation may be warranted during removal of this feature part of future redevelopment activities. The current 12,000-gallon gasoline and diesel UST is considered a REC in the context of this Phase I ESA.

REC 4 – Former Chemical Storage Area (Parcel 2). During the Site reconnaissance, Roux observed a former chemical storage area located northwest of the melt shop on Parcel 2. Observed signage indicates the area was previously used for storage of new and used oils. The former chemical storage area consists of an asphalt and concrete paved area that is partially bermed. Moderate staining and cracks were observed in the former chemical storage area. This area was not assessed as part of Ramboll's 2021 Site investigation. The former chemical storage area is considered a REC in the context of the Phase I ESA for the Site.

REC 5 – Wash Rack (Parcel 2). During the Site reconnaissance, Roux observed a wash rack on the northern portion of Parcel 2. The wash rack appears to consist of a wheel wash system and was equipped with a sump. The sump area appeared to be equipped with a pump for removal of sludge waste into a neighboring roll off bin. Sludge waste removed from the area may be impacted with automotive fluids from vehicles and metals from processed slag piles. Wastewater stored in the wash rack could potentially be impacted with petroleum-related products and VOCs, and therefore there is a reasonable likelihood that a release would have occurred. This area was not assessed as part of Ramboll's 2021 Site investigation. The wash rack area is considered a REC in the context of the Phase I ESA for the Site.

REC 6 - Potential Inactive on-Site USTs. Based on a review of previous reports and regulatory agency records, the Site has been equipped with at least 24 USTs previously used to stored gasoline, diesel, fuel oil, or waste-oil. Limited information was available regarding the location, installation, or removal for 10 of the 24 documented USTs. Records indicating a subsurface investigation associated with the reported removal of some of the tanks were not available to review. Additional information regarding on-Site USTs may be on file with the San Bernardino County Fire Department (SBCFD). These inactive USTs may be present on-Site and may have resulted in a release of petroleum products. The potentially inactive USTs are therefore considered a REC in the context of this Phase I ESA.

Historical Recognized Environmental Conditions (hRECs)

Roux identified the following hRECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the hRECs are shown in Figure 2.

hREC 1 – Lead Remediation Area (Parcel 1). Lead-contaminated soil at the southwestern corner of the Site (Parcel 1) was remediated via detoxification (stabilization) between 1989 and 1990. On November 7, 1990, the Santa Ana Regional Water Quality Control Board (SA-RWQCB) issued a letter of no further action for this area. The former lead-impacted soil at the southwestern corner of the Site is considered an hREC in the context of this Phase I ESA.

hREC 2 – Former Fuel Oil USTs (Parcel 3). In November 1993, four fuel oil USTs, totaling approximately 50,000 gallons, were removed from Parcel 3. Approximately 474 cubic yards of impacted soil were excavated and removed from the Site. In a letter dated April 28, 1994, the San Bernardino County Department of Environmental Health Services (SBCDEHS) determined no further action was required. The former fuel oil USTs are considered an hREC in the context of this Phase I ESA.

hREC 3 – Metals-Impacted Soil (Parcel 1). According to a previous report, metals-impacted soil from the southwest corner of the Site (Parcel 1), which were treated and stabilized under Department of Toxic Substance Control (DTSC) oversight between 1989 and 1990, was used as backfill for the excavation of the four fuel oil USTs removed in 1993. The backfilled fuel oil UST excavation is considered an hREC in the context of this Phase I ESA.

hREC 4 – Slag Trench Remediation (Parcel 4). Baghouse dust wastes and slag generated from the steel mill furnace were historically buried in trenches on Parcel 4. In 1988, baghouse dusts were excavated from the area and confirmation sampling was performed under DTSC oversight. DTSC concluded that remaining metals concentrations met health-based criteria for unrestricted land use and issued a letter of approval dated December 20, 2001. The slag trench remediation area in Parcel 4 is considered an hREC in the context of the Phase I ESA.

hREC 5 – Slag Remediation Area (Parcels 1 and 2). Baghouse dust waste commingled with slag was historically stockpiled on Parcels 1 and 2. Under oversight of the SBCFD, a remedial action plan (RAP) was prepared and implemented to treat impacted materials. In a letter dated July 2, 2002, the SBCFD determined no further action was required. However, a copy of the RAP and SBCFD closure letter were not provided to Roux. The former slag stockpile remediation area on Parcels 1 and 2 are considered an hREC in the context of the Phase I ESA.

hREC 6 – Former Diesel USTs (Parcel 3). A total of four 12,000-gallon diesel USTs were removed from Parcel 3 in 2006. Confirmation sampling did not identify reportable concentrations of TPH or VOCs in soil. In a letter dated October 6, 2006, the SBCFD determined no further action was required. The four former diesel USTS removed from Parcel 3 are considered an hREC in the context of the Phase I ESA.

hREC 7 – Former Diesel UST (Parcel 2). In November 2010, one 300-gallon diesel fuel UST located southwest of an emergency generator was removed from Parcel 2. One confirmation soil sample was collected from beneath the tank excavation at approximately 6.5 feet below ground surface (bgs). A UST closure report was submitted to the SBCFD for review. In a letter dated March 7, 2011, the SBCFD determined that no further investigation was warranted at the time. The former 300-gallon diesel fuel UST previously located on Parcel 2 is considered an hREC in the context of the Phase I ESA.

hREC 8 – Former Diesel UST (Parcel 4). In June 2014, one 12,000-gallon diesel UST and associated dispenser equipment was removed from the eastern portion of Parcel 4. Confirmation sampling identified residual concentrations of TPH-d in all three soil samples. In a letter dated October 29, 2014, SBCFD determined that no further action was required regarding the former diesel UST. The former 12,0000-gallon diesel fuel UST previously located on Parcel 4 is considered an hREC in the context of the Phase I ESA.

Controlled Recognized Environmental Conditions (cRECs)

Roux identified the following cRECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the cRECs are shown in Figure 2.

cREC 1 – Pad 16 Remediation Area. In January 2005, DTSC collected surface soil samples in and around a scrap metal storage area in Parcel 2 during a Site visit. Analysis of the samples indicated an

area of soil located north of scrap piles 12 and 16 was impacted with heavy metals above hazardous waste classification criteria. In November 2005, metals-impacted soils were excavated, and surface soils were screened until the screening demonstrated acceptable levels. Excavated soils that passed the cleanup criteria were returned to the excavation as backfill and "a small amount" of crushed slag was used to bring the area to grade. The remediated area was paved with asphalt to avoid future recontamination. Soils that exceeded cleanup criteria were transported off Site for disposal. Tamco, the Site owner at the time, and DTSC signed a Consent Order dated April 26, 2007, detailing the completed remediation activities. Based on the completed remediation of metals-impacted soils and implementation of a DTSC Consent Order, the former metals-impacted soils north of Pad 16 in Parcel 2 are considered a cREC in the context of the Phase I ESA.

Other Environmental Features (OEFs)

The term recognized environmental condition is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Other environmental features (OEFs) are environmental conditions that do not meet the definition of a REC, but which may warrant mention in a comprehensive Phase I ESA. Based on the subject Phase I ESA, Roux identified the following OEFs. To the extent possible, the locations of the OEFs are shown in Figure 2.

OEF 1 – Historical Site-Wide Agricultural Use. Based on a review of historical sources, the Site was used for agricultural purposes (row crops) as early as 1938 through approximately 1981. It is likely that agricultural chemicals were used on Site. It is likely that agricultural chemicals (possibly lead-or arsenic-based and organochlorine pesticides) were used on Site. The Site was developed for commercial/industrial use by the 1950s. Shallow soils that may have been impacted by agricultural chemicals were likely removed or shifted during grading and development activities. Based on the time elapsed since agricultural use and redevelopment of the Site, Roux considers the historical agricultural use to be an OEF in the context of the Phase I ESA.

OEF 2 – Nearby DP Etiwanda Site. The east adjacent site, identified as DP Etiwanda at 8822 Etiwanda Avenue, was listed in several databases including the ENVIROSTOR database. The status of the EnviroStor case is listed as "Certified Operations and Maintenance (O&M) – Land Use Restrictions as of 10/22/2020". Roux accessed the DTSC EnviroStor database to obtain more information. According to the EnviroStor site history summary, previous site investigations have identified elevated concentrations of metals, TPH, and PCBs in soil. A land use covenant was recorded between the site owners and DTSC, restricting the site to commercial/industrial land use. Based on the proximity to the Site and known impacts to the subsurface, this adjacent site is considered an OEF in the context of this Phase I ESA.

OEF 3 – Site-Wide Buried Slag Material. Buried slag material, measuring generally between 2 and 6 inches in diameter, has reportedly been encountered during previous Site investigations. The slag material was primarily encountered in the western, northern, and southwestern portions of the Site at depths ranging from 1 to 10 feet with a thickness ranging between 0.1 and 10 feet. Slag fines (ranging from sand to dust size) and larger pieces of slag were also reportedly encountered. Slag material typically is not considered a hazardous or petroleum-containing material. Buried slag materials present throughout the Site is considered an OEF in the context of this Phase I ESA.

1. Introduction

Roux Associates, Inc. (Roux) completed this Phase I Environmental Site Assessment (ESA) of the commercial property located at 12451 Arrow Route, Rancho Cucamonga, San Bernardino County, California (the Site). The Site location is shown in Figure 1 and the Site and vicinity is shown in Figure 2. Roux performed this Phase I ESA in compliance with the scope and limitations of American Society for Testing Materials (ASTM) E1527-13 and the terms and conditions of Roux' proposal dated August 13, 2021. Roux conducted this Phase I ESA for the benefit of BTC III Acquisitions LLC (the User).

The following sections of this report present our Phase I ESA findings and conclusions. A glossary containing terms and definitions presented in ASTM E1527-13 is included in Appendix A – Glossary of Terms. Other appendices presented at the end of the report include historical topographic maps, historical aerial photographs, regulatory records review documentation, applicable historical records, and personnel qualifications.

1.1 Purpose

The purpose of this Phase I ESA is to identify and report, to the extent feasible, recognized environmental conditions (RECs) with respect to the Site. Performing a Phase I ESA in general compliance with ASTM E 1527-13 may enable a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. That is, the practice that constitutes one of the requirements for "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC Section 9601(35) (B).

1.2 Scope of Services

The scope of services for this Phase I ESA included, but was not limited to, the activities listed below.

- A review of reasonably ascertainable and practicably reviewable topographic maps, historical aerial photographs, and city directories, if available, to investigate past Site conditions;
- A review of specific government lists pursuant to ASTM Standard E 1527-13 regarding environmental activities for the Site and local area properties;
- A review of recorded land title records, building, assessors, and fire department records, for permits, citations, and reports connected to the Site that were reasonably ascertainable, practicably reviewable, and publicly available within reasonable time and cost;
- An inspection by an environmental professional to investigate the current use of the Site and to identify environmental concerns including but not limited to, the presence of hazardous substances or petroleum products, wastes, underground storage tanks (USTs), aboveground storage tanks (ASTs), or other environmental concerns;
- Interviews with available representatives of the owner of the Site, occupants, and local government officials by an environmental professional; and
- Preparation of this Phase I ESA report.

Roux initiated this Phase I ESA pursuant to receipt of written authorization to proceed on August 24, 2021.

1.3 Standard of Care

Roux conducted this Phase I ESA using a defined scope of services considered appropriate and agreed upon by all parties on the date the service was authorized, unless the scope of services or the methods used were later modified, in writing, and accepted by all parties prior to performance. Roux conducted this Phase I ESA in accordance with generally accepted practices in a manner consistent with that level of care exercised by other members of our profession in the same locality and under similar conditions of time and accessibility of improvements and information. No other representations, expressed or implied, and no warranty or guarantee is included or intended to be part of this Phase I ESA.

Please note that the scope of services performed in execution of this assessment may not be appropriate to satisfy the needs of other parties. We, therefore, are not responsible for independent conclusions, opinions, or recommendations of others based on our assessment. Furthermore, this Phase I ESA relates to the environmental conditions of the Site and does not address issues raised in transactions such as business risk, purchase of business entities, or interests therein, or of their assets, that may well involve environmental liabilities pertaining to properties previously owned or operated or other offsite liabilities.

Additionally, the findings of this Phase I ESA are based on Roux' observations, inquiries, and historical research using reasonably ascertainable and practically reviewable information obtained within reasonable time and cost constraints. Roux does not represent that this Phase I ESA is an exhaustive investigation that reflects the findings of all of the information available for the Site, nor is it representative of future Site conditions. If additional information is generated from the Site, it should be provided to Roux so that we may evaluate its impact on our conclusions. As such, activities or episodes that transpire subsequent to this Phase I ESA are not considered in this assessment. It is not intended that a Phase I ESA in accordance with ASTM E1527-13 be an exhaustive assessment of a property nor can it wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with a property.

1.4 Assumptions

This Phase I ESA Report, including the exhibits attached hereto, describes the results of Roux' investigation to identify the presence of *recognized environmental conditions* connected with the Site in accordance with ASTM E1527-13, as allowed by and consistent with the regulatory requirements of the All Appropriate Inquiry Rule, 40 CFR Part 312, Amendment to Standards and Practices for All Appropriate Inquires Under CERCLA, Final Rule, published December 30, 2013 (AAI Rule). Specifically, the preamble to the amended AAI Rule states:

> *The Environmental Protection Agency (EPA) today is taking final action to amend the standards and practices for conducting all appropriate inquiries under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) to reference a standard practice recently made available by ASTM International, a widely recognized standards development organization. Specifically, this final rule amends the "All Appropriate Inquiries Rule" at 40 CFR Part 312 to reference ASTM International's E1527–13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" and make clear that persons conducting all appropriate inquiries may use the procedures included in this standard to comply with the All Appropriate Inquiries Rule*[1].

[1] Federal Register: December 30, 2013 (Volume 78, Number 250) Page 79319

One of the requirements that a person acquiring real property must meet in order to qualify for either the innocent landowner, contiguous owner, or bona fide prospective purchaser (collectively hereinafter "Prospective Purchaser") defense to liability under the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, and the Small Business Liability Relief and Brownfields' Revitalization Act of 2002, 42 U.S.C. 9601-9675 (collectively referred to hereafter as "CERCLA") is that person must conduct all appropriate inquiries into the previous ownership and uses of the property in conformance with the AAI Rule (or the ASTM E1527-13) prior to acquisition of the property. The User has acknowledged that, under the AAI Rule, Roux' performance of this Phase I ESA in accordance with ASTM E1527-13 will not alone result in the User satisfying all requirements of the AAI Rule and will not in itself provide a defense to CERCLA liability. The User has acknowledged that the AAI Rule also requires that the Prospective Purchaser undertake certain additional inquiries and post-acquisition activities to satisfy the CERCLA AAI requirements. Accordingly, Roux makes no guarantees or warranties, expressed or implied, regarding this Phase I ESA, including without limitation, that this Phase I ESA will qualify the User for a defense to CERCLA liability.

Roux has performed this Phase I ESA in a professional manner using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. Professional judgments expressed herein are based on the facts currently available to Roux.

The AAI Rule requires, and the conclusions and recommendations stated herein represent, the application of a variety of engineering and technical disciplines to material facts and conditions associated with the Site. As such, these conclusions and recommendations are based on subjective interpretations and the exercise of discretion based on the facts available to Roux and conditions at the time of the performance of this Phase I ESA. Many of these facts and conditions are subject to change over time. Accordingly, the conclusions and recommendations must be considered within this context.

The User has agreed that Roux shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this Phase I ESA was performed. To the extent practicable, Roux has identified data gaps, and has evaluated the potential significance of such data gaps. Recommendations to address those data gaps are presented herein and are based on the data available at the time of the performance of this Phase I ESA. Implementation of the recommendations may not fully address the data gaps, and the information obtained from execution of those recommendations may alter and/or modify the interpretation of the Site conditions and conclusions, herein. This Phase I ESA does not include consideration of matters specifically excluded by ASTM E1527-13, including but not limited to, asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, and mold unless specifically identified herein.

Roux has not collected any soil and/or groundwater samples on the Site for Phase I purposes, and is relying on information presented by others, often in preliminary, draft, or verbal form. By referencing this information, Roux does not accept responsibility for the accuracy of the underlying data, sampling methods, laboratory analysis, or documentation.

This Phase I ESA Report should not be considered a legal interpretation of existing environmental laws and regulations. This Phase I ESA was conducted with a reasonable degree of inquiry to identify *recognized environmental conditions*, but uncertainty is not eliminated. No Phase I ESA can wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with a property.

The Phase I ESA process is intended to reduce, but not eliminate, the uncertainty involved with identifying *recognized environmental conditions*.

This Phase I ESA Report is not an appraisal or value judgment of the Site. The User has agreed that Roux shall not be liable for any use of this Phase I ESA Report as an appraisal or value judgment of the Site.

This Phase I ESA Report has been prepared for the exclusive use of the User for specific application to the Site covered by this Phase I ESA Report. The User has agreed that any third-party use of this Phase I ESA Report, upon disclosure by the User, is the sole responsibility and at the sole liability of the User.

1.5 User Reliance

No additional parties may use the information contained in this report without obtaining the written permission of Roux or the User. Roux' duties and obligations extend to the User and to no other party. Roux' duties and obligations to the User are not transferable to persons, corporations, or organizations without the express written consent of the User and Roux. The User may rely upon the information provided in this Phase I ESA report for a period of 180 days from the date of issue. After 180 days, this Phase I ESA should be updated in accordance with ASTM guidance. Roux will not be liable for any consequential damages arising from the use of this report for other than its intended purpose, for use of this report beyond 180 days of its issue date, or from unauthorized use by third parties.

This Phase I ESA report must be read and interpreted as a whole and can only be considered representative of the conditions of the Site as of the date of our site reconnaissance described herein. Roux makes no representation whatsoever concerning the condition of the Site beyond the date of our site reconnaissance described herein. Individual sections and appendices of this report are dependent on the balance of this report, and on the terms, conditions, and stipulations contained in the proposal and written amendments accepted by Roux.

2. Site Description

2.1 Site Location and Description

Site Information	
Site Name	BCG CMC
Street Address(es)	Main address: 12451 Arrow Route Additional addresses: 12343, 12353, 12455, and 12459-B Arrow Route *Note: 12459-A Arrow Route address has historically been used by the east adjoining property occupied by Tree Island Wire (TI Wire).*
City	City of Rancho Cucamonga
County	San Bernardino
State	California
Location	Bound by Arrow Route to the north and Atchison Topeka and Santa Fe Railroad to the south. Site is accessible via Arrow Route and Juneberry Drive
Assessor's Parcel Numbers (APNs)	Parcel 1: 0229-121-34-0000 Parcel 2: 0229-121-33-0000 Parcel 3: 0229-131-19-0000 Parcel 4: 0229-121-35-0000
Site Acreage (per San Bernardino County Assessor Website)	Approximately 95 acres
Site Occupant(s)	Commercial Metals Company (CMC) Rebar (Parcel 4), Phoenix Industries (Parcel 2) CMC (Parcels 1, 2, 3)
Onsite Operations	CMC Rebar – rebar manufacturing Phoenix Industries – slag processing CMC – inactive steel mill
Description of Onsite Structures	Parcel 1 – No permanent structures Parcel 2 – Melt shop (housing electric arc furnace), warehouse and maintenance building, old baghouse, guard shack Parcel 3 – New baghouse, main office, warehouses, roll mill, bundling station Parcel 4 – Office and fabrication shop
Site Paving	Asphalt and concrete paving
Site Grading	Graded to drain at a gentle slope oriented to the south
Site Vicinity	Commercial and industrial use

Refer to Section 5.0 for a detailed description of the current condition of the Site and operations.

2.2 Vicinity General Characteristics

The facilities and improvements which are located immediately adjacent to the Site are provided in the following table.

Direction from Site	Improvements / Use (Addresses)
North	Arrow Route, followed by Planet Storage / self-storage facility (12330 Arrow Route), Steelcase / warehouse (12400 Arrow Route), Air Liquide America / industrial gas supplier (12550 Arrow Route)
East	Juneberry Drive, followed by Goodman Logistics Center / warehouse (12521 Arrow Route and 8600 Etiwanda Avenue), Tree Island Wire / rebar manufacturing facility (12459-A Arrow Route), and vacant land (8822 Etiwanda Avenue)
South	Atchison Topeka Santa Fe Railroad, followed by Etiwanda Generating Station (8998 Etiwanda Avenue)
West	Parallel Products / chemical manufacturer (12281 Arrow Route) and Copart / vehicle auction (12167 Arrow Route)

2.3 Past Use of the Site

Based on Roux's review of historical sources, the following is a summary of the history of the Site. The Site was developed for agricultural use (row crops) from at least 1938 until 1954. A small structure was added to the southeastern corner of the Site in 1953. This feature is in the approximate location of a groundwater well and water tower. By 1959, the eastern portion of Parcel 3 was developed with the milling and rolling improvements, paved parking areas, outdoor storage yard, office building, water tower, and multiple rail spurs. The remaining Site Parcels continued to be developed for agricultural use through at least 1973. By 1975, Parcel 2 and the southern portion of Parcel 1 were graded and likely used for storage of raw, finished, or waste materials. The northern portion of the Site remained agricultural until 1981. By 1985, agricultural operations had ceased, and the Site was primarily developed for industrial use. The melt shop and EAF improvements as well as outdoor storage yards were added to Parcels 2 and 3. The current office and fabrication building in Parcel 2 was added by 1990. Major operations from the 1980s through 2019 included receiving of steel scrap, melting of steel scrap, production and fabrication of rebar, and processing of steel slag.

2.4 Physical Setting

Roux obtained and reviewed published, reasonably ascertainable information concerning the physical setting of the Site. The following is a summary of the information reviewed from those physical setting sources.

Physical Setting Summary	
United States Geological Survey (USGS) Topographic Map	Guasti, California Quadrangle
Approximate Site Elevation / Source	1,130 to 1,165 feet above mean sea level (msl) / Guasti, California (2012) 7.5-minute quadrangle topographic map published by the USGS
Nearest Surface Water Features / Approximate Distance	Day Creek, a concrete-lined stormwater drainage channel / 0.25 mile west of the Site
Regional Geology / Source	Quaternary deposits: alluvium, lake, playa and terrace, consolidated and semi-consolidated / California Department of Conservation, 2010 Geologic Map of California
Site Topography / Source	Generally flat with a gradual slope to the south / Site observation and USGS topographic map

Physical Setting Summary	
Hydrogeological Region / Source	Located along the northeastern portion of the Chino Subbasin within the Upper Santa Ana Valley Groundwater Basin / *California Department of Water Resources Bulletin 118, Update 2003 and Interim Update 2016*
Depth to Groundwater / Source	Approximately 430 feet bgs / Monitoring well information for adjacent Etiwanda Generating Station (P. Hamilton, 2010)
Groundwater Gradient Direction / Source	Southwest / Monitoring well information for adjacent Etiwanda Generating Station (P. Hamilton, 2010)
Onsite Soil	Parcel 1 - Sand with gravel and/or slag to 5 feet bgs, sand and sand with silt to 18 feet bgs, sandy silt to 25 feet bgs Parcel 2 – Sand with gravel and/or slag to 5 feet bgs, sand and sand with silt to 12 feet bgs, silty sand and sand layering to 30 feet bgs Parcel 3 – Sand or sand with silty sand to 5 feet bgs and dense silty layer from 29 to 34 feet bgs Parcel 4 – Sand and silty sand layers to 5 feet bgs, and sand to 25 feet bgs (Ramboll, 2021B)

3. Sources of Information

Sources of information utilized in preparing this Phase I ESA report included historical topographic maps; historical aerial photographs; a walkover survey of the Site and adjoining properties; in-person discussions with User and tenant personnel; a review of records available at selected local and state regulatory agencies; a review of databases maintained by local, state, and federal government agencies; and other records available from commercial and online sources.

3.1 Historical Sources

To help understand the history of the Site and past land uses, historical sources were obtained from Environmental Data Resources, Inc. (EDR), of Shelton, Connecticut. The sources and locations within the Appendices are provided in the table below.

EDR Historical Sources		
Historical Range	**Source**	**Appendix**
1897 - 2012	U.S. Geological Survey Topographic Maps Nationwide Environmental Title Research LLC (NETR) Historical Aerials Database	B
1938 - 2016	EDR Aerial Photographs “Decade Package”	C
No Available Coverage	EDR “Certified Sanborn® Map Report”	D
1922 - 2017	EDR “City Directory Image Report”	E

Note: Due to copyright restrictions, the topographic maps reviewed on NETR Historical Aerials Database were not included in the appendices.

3.2 Site Reconnaissance

On September 2, 2021, Roux personnel conducted a reconnaissance of the Site. During the Site reconnaissance, Roux interacted Mr. Wade Fultz, plant engineer for CMC. Mr. Fultz provided information regarding recent and historical operations of the Site which are referenced, as appropriate, throughout the remainder of this Phase I ESA report. Photographs taken during the Site reconnaissance are provided in Appendix G.

3.3 Regulatory Agencies

Roux contacted governmental agencies for reasonably ascertainable information concerning environmental conditions at the Site. Roux contacted or reviewed information from the agencies provided in the following table. Refer to Appendix H – Pertinent Historical Documentation for copies of the records reviewed. A summary of the information gathered from the regulatory agencies is provided in the table and details regarding the records were incorporated into applicable sections as noted.

Agency	Date Requested / Accessed	Response Date	Description of Records	Section Discussed
Federal				
U.S. Environmental Protection Agency (EPA) – FOIAonline	08/30/2021	9/2/2021	Received instruction to query U.S. EPA MyProperty online database. See below	N/A
U.S. EPA EnviroFacts	11/30/2021	N/A	Several records were associated with the Site including records for TAMCO, Tervita-LLC, and TI Wire. Facility records indicate hazardous waste generation, USTs, release cases associated with leaking USTs, and stormwater discharge permits.	N/A
U.S EPA MyProperty Database	8/30/2021	N/A	Several records were associated with the Site including enforcement and compliance summaries.	3.3.1
National Pipeline Mapping System (NPMS) Online Database	11/30/2021	N/A	One natural gas transmission pipeline (Operator ID 18484) located along Arrow Route. No other pipelines were located within 500 feet of the Site.	N/A
State				
State Water Resources Control Board (SWRCB): GeoTracker Online Database	11/30/2021	N/A	Two release cases (Global IDs T0607100309 and T0607100046) were associated with Site (see Section 7.0). Adjacent release cases were identified for Air Liquide (12550 Arrow Route).	6.0 7.1.2
SWRCB: Storm Water Multiple Application and Report Tracking System (SMARTS) Online Database	11/30/2021	N/A	Several records were associated with the Site including terminated and expired construction stormwater permits	N/A
Department of Toxic Substances Control (DTSC)	08/30/2021	09/03/2021	Records provided include a 1994 CERCLA Preliminary Assessment. Additional Site records available on DTSC EnviroStor online database.	6.0.

Agency	Date Requested / Accessed	Response Date	Description of Records	Section Discussed
DTSC: EnviroStor Online Database	11/30/2021	N/A	Two release cases (IDs 36340066 and 36340064) were associated with the Site. Adjacent and nearby release cases were identified for DP Etiwanda (8822 Etiwanda Avenue), Etiwanda Generating Station (8998 Etiwanda Avenue), and Kaiser Steel (7400 Cherry Avenue).	6.0 7.1.2
DTSC: Hazardous Waste Tracking System (HWTS) Online Database	11/30/2021	N/A	Several records were associated with the Site including waste manifests indicating generation of halogenated solvents, hydrocarbon solvents, oil/water separation sludge, tank bottom waste, polychlorinated biphenyls (PCBs), baghouse waste, contaminated soils from site clean-up.	N/A
California Air Resources Board (CARB)	08/30/2021	09/08/2021	No records were associated with the Site.	N/A
California Office of Environmental Health Hazard Assessment (OEHHA)	08/30/2021	09/10/2021	No records were associated with the Site.	N/A
CalEPA CalRecycle	08/30/2021	09/13/2021	No records were associated with the Site.	N/A
CalEPA CalRecycle Solid Waste Information System (SWIS) Online Database	11/30/2021	N/A	No records were associated with the Site.	N/A
State of California Department of Conservation: Geological Energy Management (CalGEM) Online Database	11/30/2021	N/A	No oil or gas wells are located within 1,000 feet of the Site.	N/A
County / Regional				
Santa Ana Regional Water Quality Control Board (SARWQCB)	08/30/2021	09/01/2021	No records were associated with the Site.	N/A
South Coast Air Quality Management District (SCAQMD)	08/30/2021	09/10/2021	Records identified for the Site included facility equipment list reports, permits to operate, and notices of violation (NOVs) dated between 1977 and 2021.	3.3.2
County of San Bernardino Department of Building and Safety	08/30/2021 12/01/2021	Pending	No records associated with the Site, directed to City of Rialto.	N/A
County of San Bernardino Department of Environmental Health Services (EHS)	08/30/2021 12/01/2021	Pending	No records associated with the Site.	N/A

Agency	Date Requested / Accessed	Response Date	Description of Records	Section Discussed
San Bernardino County Fire Department	08/30/2021	Pending	Indicates that an inactive permit and compliance response activity are associated with Southland Pipe at the Site. Records review pending as of this report date.	N/A
City / Local				
City of Rancho Cucamonga City Clerk (Building Permits, Code Violations, Fire Violations)	08/30/2021	09/23/2021	City of Rancho Cucamonga provided digital copies of stormwater inspection and sampling records data from 2007 to 2020, Hazardous Materials and Wastes Inventory Matrix Reports from 2021, UST installation permits dated from 1977 to 1992, and UST removal permits dated from 1989 to 2010.	3.3.3

3.3.1 U.S. EPA MyProperty Database

The following pertinent information was obtained from the U.S. EPA MyProperty Database for the Site:

- **Fontana Steel, Inc. (12451 Arrow Route):** Listed as a voluntary cleanup site on the DTSC EnviroStor online database. A Preliminary Endangerment Assessment Report (PEA) prepared by IT Corporation on behalf of Fontana Steel, Inc. and CMC Steel Group, Inc., dated September 2001, evaluated potential environmental impacts at the site associated with historical operations including the disposal of electric arc furnace (EAF) dust. The PEA concluded chemicals of potential concern (COPCs) including several heavy metals, in on-site soil did not represent an unacceptable level of risk under the commercial/industrial exposure scenario relevant to the current and anticipated future land use at the site. The DTSC issued a closure letter dated December 20, 2021 and the case was closed. Previous Site investigations are discussed below in Section 6.0.

3.3.2 South Coast Air Quality Management District (SCAQMD)

Records returned by the SCAQMD or obtained from the SCAQMD Facility Information Detail (FIND) online database were available for the following on-Site operators:

- **TAMCO (Facility ID 18931) -** Inactive permits were on file for equipment including storage tank lime & limestone, baghouse, heaters, heaters/furnaces, storage tank minerals mic, furnace arc iron-steel, service station storage and dispensing gasoline, amine treating, storage tank fuel oil, storage tank petroleum light distillate, storage tank liquefied petroleum gas (LPG), diesel- and natural-gas powered emergency generators, and cooling towers. Active permits were on file for service station and dispensing gasoline, storage silo minerals misc., and baghouse.

- **Fontana Steel Inc (Facility ID 69235) –** Inactive permit for service station and dispensing gasoline.

- **United Slag Processing (Facility ID 100547) –** Inactive permits for aggregate production and crushing.

- **Tube City, IMS, Inc. (Facility ID 115558) –** Inactive permits for aggregate production and crushing.

- **Clayton Group Services Inc (Facility ID 121664)** – Cancelled permit applications for soil treatment, baghouse, and miscellaneous minerals conveying.

- **Industrial Wire Products – Arrow Division (Facility ID 126975)** – permit for boiler.

- **International Mill Service, Inc. (Facility ID 131774) -** Cancelled permit application for aggregate production and crushing.

- **Tervita (US Operations) LLC (Facility ID 172593) –** Active permit for aggregate production and crushing and inactive permit for dust collector.

- **Phoenix Services LLC (Facility ID 185588) –** Active permits for aggregate production and crushing and dust collector.

Environmental concerns associated with historical steel mill and mill-related operations are discussed below in Section 6.0.

3.3.3 City of Rancho Cucamonga City Clerk

The following pertinent information was obtained from the City of Rancho Cucamonga for the Site:

Facility Name	Document	Document Date	Description
12451 Arrow Route			
Fontana Steel	Application for Fire Agency Permit	1989	Store, use, and install 15,000-gallon LPG tank
	Application for Permit	1989	Store, use, and install 12,000-gallon diesel tank
	Underground Storage Tank Inspection Form	1990	Monitoring for one 12,000-gallon diesel tank
	Permit	1992	Store and use 15,000 gallon LPG
	Application for Permit	1998	Installation of 12,000-gallon gallon diesel UST
	Permit	1998	Void permit for fuel dispenser (diesel, 11,000 gallons)
TAMCO	Permit Application	2006	Removal of four 12,000-gallon fuel oil tanks
CMC Fabricators	Application for Permit	2009	Remove one 15,000-gallon propane storage tank and install one 1,150-gallon propane storage tank
CMC Rebar	Permit	2013	Fuel dispensing station with unattended self-serve 8,000-gallon diesel UST
	Permit	2013	1,150-gallon liquefied petroleum gas / propane tank
	Application for Permit	2014	Removal of one 12,000-gallon diesel tank
	Hazardous Materials and Wastes Inventory Matrix Report	2020	Chemical inventory includes oxygen, acetylene, propane, waste sludge, diesel fuel, ethylene glycol, used oil, and motor oil
	Hazardous Materials and Wastes Inventory Matrix Report	2021	Chemical inventory includes oxygen, acetylene, propane, waste sludge, diesel fuel, ethylene glycol, oil filters, rags, used oil, waste aerosols liquid, motor oil

Facility Name	Document	Document Date	Description
12455 Arrow Route			
Ameron	Permit	Potentially 1980	Store and dispense gasoline (two 3,000-gallon tanks) and diesel fuel (one 10,000-gallon tank)
	Application for Permit	1980	Install two (new) 3,000-gallon gasoline USTs and one (relocated) 10,000-gallon diesel UST
	Permit	1998	Remove three USTs –10,000-gallon diesel and two 3,000-gallon gasoline tanks
	Permit	1999	Maintain the storage, use, and handling of flammable and combustible liquids: Type: Tank storage, aboveground flammable combustible liquid. Quantity: 2,000 gallons Type: Diesel and Gasoline. Quantity: 2,000 gallons (tank installation)
	Permit	2012	Operate a motor vehicle fuel-dispensing station, 1,500-gallon diesel, 500-gallon gasoline.
	Hazardous Materials and Wastes Inventory Matrix Report	2014	Chemical inventory includes waste oil, diesel fuel (aboveground tank), gasoline (aboveground tank), gear lubricant, transmission fluid, oils, grease, paint & epoxies, acetylene, concrete add mix, LPG, oxygen, waste paint & thinner, primer, and resin
12459 Arrow Route			
Ameron Steel Wire Division	Permit	Undated	Store and dispense diesel fuel for boiler 10,000-gallon capacity underground tank.
J.D. Brodine & Son, Inc. (Contractor for Ameron Steel + Wire Division)	Permit	Undated	Remove 10,000-gallon UST of diesel from

Facility Name	Document	Document Date	Description
Ameron Steel and Wire Division	Application for Permit	1977	Install one 10,000-gallon diesel fuel tank underground to furnish fuel to a boiler
Tamco	Application for Permit	1979	Installation of two 8,000-gallon diesel fuel tanks and one 4,000-gallon gasoline tank
Ameron Pipe	Application for Fire Agency Permit	1987	Remove three underground tanks used to store waste oil. Capacities of tanks not provided.
Ameron Pipe	Application for Fire Agency Permit	1987	Remove three underground tanks used to store diesel. Capacities of tanks not provided.
Ameron Steel Wire Div.	Application for Permit	1989	Remove 10,000-gallon underground storage tank (diesel fuel)
Tamco	Application for Permit	1980	Install one 280-gallon diesel fuel tank underground to furnish fuel to the diesel engine
	Permit	1993	Remove two of four 50,000-gallon underground tanks which previously held fuel oil. Earlier version of permit identified four 50,000-gallon fuel oil USTs
	Construction Inspection Report	1993	Inspection for UST removal: two of tanks totaling 50,000 gallons
Tamco Steel	Application for Permit to Alter and Install Underground Storage Tanks	2006	Removal of four 12,000-gallon fuel oil tanks
	Permit	2010	Remove one 300-gallon diesel fuel underground tank
SCE Pipe Substation	Hazardous Materials and Wastes Inventory Matrix Report	2021	Chemical inventory includes mineral oil

Summary of Former Underground Storage Tanks

Roux Tank ID	Quantity	Capacity (gallons)	Product Stored	Year Installed	Year Removed	Associated Facility Address
USTs with known locations and documented removal						
A	1	12,000	Diesel	1998 (original UST installed in 1989)	2014	12451 Arrow Route
B, C	2	3,000	Gasoline	1980	1998	12459 Arrow Route
D	1	10,000	Diesel	1980	1998	12459 Arrow Route
E	1	10,000	Diesel	1977	1989	12459 Arrow Route
F	1	280-300	Diesel	1980	2010	12459 Arrow Route
G, H, I, J	4	Totaling 50,000	Fuel oil	Unknown	1993	12459 Arrow Route
K, L, M, N	4	12,000	Fuel oil or diesel	Unknown	2006	12459 Arrow Route
USTs with limited information available*						
O	1	8,000	Diesel	Unknown, permitted in 2013	Unknown	12451 Arrow Route
P, Q	2	8,000	Diesel	1979	Unknown	12459 Arrow Route
R	1	4,000	Gasoline	1979	Unknown	12459 Arrow Route
S, T, U	3	Unknown	Waste oil	Unknown	1987	12459 Arrow Route
V, W, X	3	Unknown	Diesel	Unknown	1987	12459 Arrow Route

**Based on records reviewed as of this report date. Review of records on file with the San Bernardino County Fire Department (SBCFD) is currently pending.*

Based on a review of previous reports and regulatory agency records, the Site has been equipped with at least 24 USTs (identified as Tanks A through X) previously used to stored gasoline, diesel, fuel oil, or waste oil. Limited information was available regarding the location, installation, or removal for 10 of the 24 documented USTs. Records indicating a subsurface investigation associated with the reported removal of some of the tanks were not available to review. Additional information regarding on-Site USTs may be on file with the SBCFD. These inactive USTs may be present on Site and may have resulted in a release of petroleum products. The potentially inactive USTs are therefore considered a REC in the context of this Phase I ESA.

3.4 Government Databases

To document potential sources of contamination at or near the Site, a government records search was conducted by EDR. The search included local, state, and federal records for the Site and for other properties within ASTM-standard distances of the Site. The records search is summarized in Section 7.0 and a copy of "The EDR Radius Map™ Report with GeoCheck®," dated August 31, 2021, is included in its entirety as Appendix F. As recommended by ASTM, all but a few of the databases searched were "current," i.e., had been updated within 90 days prior to the search date.

3.5 User Provided Information

ASTM E1527-13 provides that the User perform certain tasks. The purpose of this section is to present select User-provided information that can assist in identifying possible *recognized environmental conditions* in connection with the Site. According to ASTM E1527-13, these tasks do not require the technical expertise of an environmental professional and the environmental professional generally does not perform these tasks. Roux administered a questionnaire to the User at the beginning of this Phase I ESA to assist them with these tasks; however, the completed questionnaire has not been returned to Roux as of this report date.

4. Site History

This section documents the history of the Site and describes current conditions and existing or former environmental features.

4.1 Site History

The history of the Site and, to a lesser extent, the surrounding area, including previous land use, has been compiled based on information from the exhaustive list of sources provided in Section 3.

Summary of Historical Sources				
Decade	**Year**	**Source**	**Site Description**	**Vicinity Description**
Predevelopment History				
Pre-1900	1897	Historical Topographic Map: Cucamonga (15-minute)	Site consists of vacant land with an unpaved north-south trending stream-like feature (potential dry wash). Site is in a rural area identified as West Etiwanda.	Site is located north of railroad. Adjacent sites appear as vacant land with similar unpaved north-south trending stream-like features. Nearby arterial roads are to the west and east
1900s	1900	Historical Topographic Map: Cucamonga (15-minute)	No significant changes noted from prior Site history.	No significant changes noted from prior history.
	1903	Historical Topographic Map: Cucamonga (15-minute)	No significant changes noted from prior Site history.	No significant changes noted from prior history.
1910s	1912	Historical Topographic Map: Cucamonga (15-minute)	No significant changes noted from prior Site history.	No significant changes noted from prior history.
1920s	1927	Historical Topographic Map: Cucamonga (15-minute)	No significant changes noted from prior Site history.	No significant changes noted from prior history.
Agricultural Development				
1930s	1932	Historical Topographic Map: Cucamonga (15-minute)	No significant changes noted from prior Site history.	No significant changes noted from prior history.

Summary of Historical Sources				
Decade	**Year**	**Source**	**Site Description**	**Vicinity Description**
	1938	EDR Aerial Photograph	Site appears developed for agricultural use (row crops). Dry wash is depicted along the western boundary of the Site. Small feature is depicted on the southeastern corner of the Site. Addition of main road adjacent to the north.	Adjacent and nearby properties appear developed for agricultural and residential use.
1940s	1941	Historical Topographic Map: Guasti Vicinity (7.5-minute)	No significant changes noted from prior Site history.	Addition of new arterial roads in the general vicinity and aqueduct to the south. No other significant changes noted from prior history.
	1944	Historical Topographic Map: Cucamonga (15-minute)	No significant changes noted from prior Site history.	Agricultural development to the east and northeast. No other significant changes noted from prior history.
	1949	EDR Aerial Photograph	No significant changes noted from prior Site history.	No significant changes noted from prior history.
Industrial Use				
1950s	1953	Historical Topographic Map: Guasti (7.5-minute)	Earliest topographic map depicting agricultural development of the Site. Unpaved road, trending north-south, transects the southern portion of the Site. Small structure is depicted in the southeastern corner.	Agricultural development to general surrounding area. Power plant, featuring multiple oil tanks, is present to the south of the adjacent railroad. Rail spur is depicted adjacent to the west. Etiwanda Creek is located approximately 0.25 mile to the east. Large industrial facility, identified as Kaiser Steel, is approximately 0.75 mile to the southeast.
		EDR Aerial Photograph	No significant changes noted from prior Site history.	Addition of large structure (potential cooling towers) to south adjacent facility. No other significant changes noted from prior history.
	1954	Historical Topographic Map: Ontario (15-minute)	No significant changes noted from prior Site history.	No significant changes noted from prior history.
	1959	EDR Aerial Photograph	Southeastern portion of the Site appears developed with an early configuration of the milling and rolling improvements, paved parking areas, outdoor storage yard, office building, water tower, and multiple rail spurs. Remaining areas of the Site remain developed for agricultural use.	Increased residential development to the east. No other significant changes noted from prior history.

Summary of Historical Sources				
Decade	**Year**	**Source**	**Site Description**	**Vicinity Description**
1960s	1966	Historical Topographic Map: Guasti (7.5-minute)	No significant changes noted from prior Site history.	Increased residential development to the east. Addition of Day Creek to the west. No other significant changes noted from prior history.
		EDR Aerial Photograph	Expansion of steel mill operations. Small structure on southeast corner identified as a water tank (WT). No other significant changes noted from prior Site history.	Development of industrial facilities to the northeast and west adjacent sites. Addition of industrial features to south adjacent power plant.
1970s	1973	Historical Topographic Map: Guasti (7.5-minute)	No significant changes noted from prior Site history.	Increased industrial development to nearby areas. No other significant changes noted from prior history.
	1975	EDR Aerial Photograph	Central portion of the Site appears graded and likely used for storage of raw, finished, or waste materials. Northern portion of the Site remains developed for agricultural use.	Increased industrial development in formerly agricultural areas. Addition of Highway I-15 to the west.
		General Telephone (GTE) Directories	Site occupied by Ameron Pipe Products, Steel Producing Division at 12459 Arrow Highway.	N/A
	1976	Historical Topographic Map: Ontario (15-minute)	Agricultural land use is no longer depicted on-Site.	Decreased agricultural development to nearby areas. No other significant changes noted from prior history.
1980s	1980	GTE Directories	Site occupied by Ameron Pipe Products at 12455 and 12459 Arrow Route.	N/A
	1981	Historical Topographic Map: Guasti (7.5-minute)	Central portion of the Site appears vacant and part of milling operations. Northern portion of Site appears developed for agricultural use.	Increased urban development to the nearby areas. No other significant changes noted from prior history.
	1985	GTE Directories	Site occupied by Ameron Pipe Products at 12455 Arrow (Route) and Arrow FOE, Cameron Steel 8 Wire, and United Slag processing at 12459 Arrow (Route).	N/A
		EDR Aerial Photograph	Agricultural operations have ceased, and the Site appears primarily developed for industrial use. The melt shop, ancillary structures, and outdoor storage yards added to southern and central portions of Site. Rail spurs are apparent in the southern portion of the Site.	Increased commercial and industrial development to the adjacent and nearby areas.

Summary of Historical Sources				
Decade	**Year**	**Source**	**Site Description**	**Vicinity Description**
1990s	1990	GTE Directories	Site occupied by Ameron Pipe Products at 12455 and 12459 Arrow Route, and United Slag Processing and Tamco at 12459 Arrow (Route).	N/A
		EDR Aerial Photograph	Addition of current fabrication building to the northern portion of the Site.	No significant changes noted from prior history.
	1994	Cole Information Services Directory	Site occupied by Ameron Concrete & Steel Pipe at 12455 Arrow Highway, and Ameron steel & Wire, MPAD Inc, RBC Contractors, Tamco, and United Slag Processing Co at 12459 Arrow Highway.	N/A
		EDR Aerial Photograph	No significant changes noted from prior Site history.	Large water reservoir added to the northeast. No other significant changes noted from prior history.
	1995	GTE Directories	Site occupied by Fontana Steel at 12451 Arrow (route), Ameron Pipe Products at 12455 Arrow Route, and MPAD Inc, Tamco, and United Slag Processing at 12459 Arrow (Route).	N/A
	1999	Cole Information Services Directory	Site occupied by Ameron Pipe Products at 12455 Arrow Route.	N/A
2000s	2002	EDR Aerial Photograph	Western portion of the site appears to be used as a storage yard. No other significant changes noted from prior Site history.	Increased commercial and industrial development to the adjacent and nearby areas.
	2003	Haines & Co Publishers Directory	Site occupied by Fontana Steel at 12451 Arrow Highway, Ameron Pipe Products at 12455 Arrow Route (Highway), and Golden State Nail, IWPAD Inc, Olympic Mill Service, Tamco at 12459 Arrow Highway.	N/A
	2005	EDR Aerial Photograph	No significant changes noted from prior Site history.	A west adjacent site appears developed as a storage yard. No other significant changes noted from prior history.
	2008	Haines Company, Inc. Directory	Site occupied by Fontana Steel at 12451 Arrow Street, Ameron Pipe Products at 12455 Arrow Street, and MPAD Inc, Olympic Mill Services, Tamco, and Tamco Steel at 12459 Arrow Street.	N/A

Summary of Historical Sources				
Decade	**Year**	**Source**	**Site Description**	**Vicinity Description**
	2009	Cole Information Services Directory	Site occupied by Ameron International, Ameron Pipe Product, and Shawcor Pipe Protection LLC at 12455 Arrow Route.	N/A
		EDR Aerial Photograph	No significant changes noted from prior Site history.	No significant changes noted from prior history.
2010s	2012	Historical Topographic Map: Guasti (7.5-minute)	No significant changes noted from prior Site history.	No significant changes noted from prior history.
		EDR Aerial Photograph	No significant changes noted from prior Site history.	An eastern adjacent property has been redeveloped with a large industrial building resembling a warehouse.
	2014	Cole Information Services Directory	Site occupied by Ameron International and Ameron Pipe Product at 12455 Arrow Route.	N/A
	2016	EDR Aerial Photograph	No significant changes noted from prior Site history.	No significant changes noted from prior history.

Historical Agricultural Use

Based on a review of historical sources, the Site was used for agricultural purposes (row crops) as early as 1938 through approximately 1981. It is likely that agricultural chemicals were used on Site. It is likely that agricultural chemicals (possibly lead-or arsenic-based and organochlorine pesticides) were used on Site. The Site was developed for commercial/industrial use by the 1950s. Shallow soils that may have been impacted by agricultural chemicals were likely removed or shifted during grading and development activities. Based on the time elapsed since agricultural use and redevelopment of the Site, Roux considers the historical agricultural use to be an OEF in the context of the Phase I ESA.

Rail Spurs

Railroad spurs represent environmental concerns due to the historical application of oils containing PCBs, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material. In addition, due to the historical use of the subject property for industrial purposes, the possibility for spills of hazardous substances and/or petroleum products during loading and unloading of railcars represents a concern. .

4.2 Environmental Lien Search

Roux requested from EDR a search for environmental liens on the property. No environmental liens or other Activity and Use Limitations were identified. Review of the environmental lien search did not reveal a recognized environmental condition (REC) at the Site not otherwise addressed in this report.

4.3 Building Permit Report

Roux requested from EDR a search for building permits from the City of Rancho Cucamonga, Building and Safety Department and San Bernardino County, Land Use, Building & Safety for the Site. The table below summarizes the permits identified by EDR. It is noted that the list below is non-exhaustive and that multiple building permits and similar were identified during the online and in-person file reviews. Review of the EDR permit report did not reveal evidence of a REC at the Site not otherwise addressed in this report.

Date	Owner or Permit Applicant	Permit Type	Permit Description
2006	TAMCO	Fire	Removal (4) 12,000-gallon underground fuel/oil tanks
2009	CMC Fabricators Inc – Fontana Steel	Structures	Remove existing 15,000-gallon liquefied petroleum gas (LPG) tank and replace with 1,150-gallon LPG tank with foundation
2009	TAMCO STEEL	Fire	Add enhanced vapor recovery (EVR) to existing underground storage tanks

5. Current Site Conditions

Roux representatives conducted a reconnaissance of the Site and surrounding areas on September 2, 2021. During the Site visit, Roux representatives Mr. Matthew Nelson and Mrs. Rocio Quinones met with Mr. Wade Fultz, plant engineer for CMC. Roux also visually and/or physically observed adjoining properties from reasonably accessible locations on the Site and public thoroughfares. During the Site reconnaissance, the weather was overcast, and the temperature was approximately 80° Fahrenheit. The following sections summarize observations during the inspection. Photographs taken during the Site reconnaissance are provided in Appendix G.

5.1 Site Reconnaissance

The Site consists of approximately 95 acres of land identified by Assessor's Parcel Numbers (APNs) 0229-121-34, 0229-121-33, 0229-131-19, and 0229-121-35 (Parcels 1 through 4, respectively). The Site is generally inactive and primarily occupied by CMC Rebar, which operates as a limited rebar manufacturing facility. The Site operated as a steel mill from the 1950s until 2019 when milling operations were phased out. The Site is bound by Arrow Route to the north and Atchison Topeka and Santa Fe Railroad (Railroad) to the south and is accessible via Arrow Route and Juneberry Drive. The main address for the Site is 12451 Arrow Route. However, additional addresses used at the Site include 12343, 12353, 12455, and 12459-B Arrow Route. As noted above, the Site consists of four parcels described below and shown on Figure 2.

- **Parcel 1** is located on the western portion of the Site and is not developed with any permanent structures. CMC utilized the northern portion of Parcel 1 as an equipment boneyard and the southern portion for storage of steel billets. The majority of Parcel 1 is vacant with some equipment storage in the northern portion and processed slag storage in the central portion.

- **Parcel 2** is located on the central and southern portions of the Site. The northern portion of Parcel 2 is partially occupied by Phoenix Industries, a steel slag processing tenant. On-Site operations consist of mechanical crushing and sorting of steel slag for off-Site use as aggregate material. No chemical processing of steel slag is conducted on Site. Chemical storage observed in this area is discussed below. No permanent structures were observed in this area. The northern portion of Parcel 2 was historically used for storage of scrap metal for processing and steel slag that was produced on Site. The southern portion of Parcel 2 is developed with the inactive CMC steel mill. The primary structure in this area is the primary processing building (melt shop) previously equipped with an electric arc furnace (EAF) for melting scrap metal. Additional structures and features located within this area include the following:

    - A guard shack;
    - Warehouse and maintenance building;
    - Silos;
    - Transformer station;
    - Baghouses;
    - A vehicle wash area;
    - Cooling towers; and
    - Rail spurs.

- **Parcel 3** is located on the eastern portion of the Site. The northern portion of Parcel 3 is equipped with the CMC main office building, fueling station, and a vacant area previously used for rebar

storage. The southern portion of Parcel 3 is developed with the inactive milling and rolling building. Additional structures and features located within this area include the following:

- A wash pad;
- Cooling tower;
- Weir (open-top clarifier);
- Reheat ovens;
- Mobile maintenance area;
- Warehouses;
- Bundling station;
- Rail spurs;
- Groundwater well; and
- Water tower.

- **Parcel 4** is located on the northern portion of the Site and is occupied by CMC Rebar which operates a limited rebar fabrication facility. Parcel 4 is equipped with the following:
  - Office and fabrication building;
  - Maintenance area;
  - Vehicle/equipment wash area with an oil collection trench and clarifier;
  - Parking area; and
  - Rebar storage yard.

The southeastern and southwestern portions of the Site are equipped with active rail spurs. A stormwater retention pond is located on the southwestern portion of the Site, between Parcels 1 and 2. A smaller stormwater retention pond is also located west of the water tower on the southeastern corner of Parcel 3.

Due to the size of the property and quantity of materials stored on Site, Roux was unable to observe all floor and ground surface areas. Features may be present that were not observed during the Site reconnaissance.

5.2 Phase I ESA Observations

During Site reconnaissance, Roux personnel attempted to identify any environmental features that may be relevant in the context of the Phase I ESA. The features identified are summarized in the table below. Any such features are discussed in the following subsections.

Feature	Observed on the Site	Observed on an Adjacent Property
Areas of stressed vegetation		
Areas which receive flood or storm water from potentially contaminated areas		
Air Compressor Vent Discharges		
Chemical Storage and/or Use	X	
Discharge Areas		
Discolored or Spill Areas	X	

Feature	Observed on the Site	Observed on an Adjacent Property
Drainage Swales and Culverts	X	
Drums (55 Gallons or Larger)	X	
Electrical Transformers	X	
Former Agricultural Applied Pesticide Area		
Hydraulic Lifts	X	
Incinerators		
Landfills or Landfarms	X	
Loading and Unloading Areas		
Non-Contact Cooling Water Discharge	X	
Oil-Water Separator(s) and Sump(s)	X	
Open Areas Away from Production Areas		
Process Area Sinks and Piping		
Rail Cars/Railroad Spurs	X	
Septic Systems Leach Fields or Seepage Pits		
Silos	X	
Sprayfields		
Storm Sewer and Spill Containment Collection System		
Stormwater Detention Pond	X	
Surface Impoundments and Lagoons		
Underground / Aboveground Storage Tanks and Associated Piping	X	
Waste Piles		
Wells	X	

5.2.1 Chemical Storage and/or Use

At the time of Roux' Site reconnaissance, CMC operations in Parcels 1, 2, and 3 has ceased and maintenance areas were vacant. Temporary hazardous waste storage areas were observed within a portion of the parts warehouse and along the southern boundary of Parcel 3. Chemical storage is further discussed below in Section 5.2.5.

Roux observed a former chemical storage area located northwest of the melt shop on Parcel 2. Observed signage indicates the area was previously used for storage of new and used oils. The former chemical storage area consists of an asphalt and concrete paved area that is partially bermed. Moderate staining and cracks were observed in the former chemical storage area. This area was not assessed as part of Ramboll's 2021 Site investigation. The former chemical storage area is considered a REC in the context of the Phase I ESA for the Site.

5.2.2 Cooling Water Discharge

A series of inactive concrete-paved, open-top, in-ground holding tanks were observed on the south and east sides of the melt shop building. The holding tanks previously used for storage of wastewater generated during operation of the former electric arc furnace. Wastewater stored in the holding tanks was reportedly pumped to nearby cooling towers. Potential subsurface impacts associated with these features were addressed as part of a previous Site investigation discussed in Section 6.0.

5.2.3 Discolored or Spill Areas

Minor to moderate staining was observed on asphalt- and concrete-paved ground surfaces throughout the former operational areas of the Site. Potential subsurface impacts associated with historical chemical use in these areas were addressed as part of a previous Site investigation discussed in Section 6.0.

Moderate staining was also observed in the parking area south of the temporary Phoenix Industrial maintenance shop. Based on the surficial nature of staining, chemical use in this area is not expected to represent a significant environmental concern.

5.2.4 Drainage Swales and Culverts

Roux observed drainage swales and trench drains throughout the southern portion of the Site (within Parcels 2 and 3). This feature appears to be utilized for stormwater runoff. Stormwater runoff is discharged into one of two stormwater detention basins and/or stormwater infiltration basin discussed below in Section 5.2.12.

Trench drains were also observed on ground areas in the vicinity of select cooling towers. According to Mr. Fultz, wastewater from the cooling towers was discharged into an oil/water separator (also identified as a clarifier) located south of the old baghouse building. Potential subsurface impacts associated with this feature were addressed as part of a previous Site investigation discussed in Section 6.0.

5.2.5 Drums (55 Gallons or Larger)

As discussed above, the Site is equipped with a temporary hazardous waste storage area located along the southern Site boundary. Roux personnel observed 55-gallon drums containing new and waste maintenance chemicals and hydraulic oils including non-PCB transformer oil and waste oil. Minor staining was observed on the concrete grounds area surrounding the drums. No cracks, drains, or other subsurface conduits were observed in this area.

Roux observed a temporary hazardous waste storage area located within the parts warehouse in Parcel 3. Several 55-gallon drums and carboard boxes containing 275-gallon totes in this area were observed or reported to contain waste disinfectant, waste detergent, waste oily water, and waste paint. No secondary containment was observed for any of the drums noted above and no significant staining or evidence of a release was noted. No cracks, drains, or other subsurface conduits were observed in this area.

Phoenix Industries operates as a slag processing facility on Parcels 1 and 2. Roux personnel observed a concrete-paved and bermed hazardous waste storage area located east of their maintenance shop building. Several 55-gallon drums and one 275-gallon tote in this area were observed or reported to contain antifreeze, hydraulic fluid, lubricant, used oil filters, and diesel exhaust fluid. Staining was observed within the concrete bermed area. No staining or evidence of a release was noted outside of the bermed area. Several 55-gallon drums were also stored outside of the storage area on an asphalt-paved area no secondary containment. Drums within this area were observed or reported to contain hydraulic fluid, diesel exhaust fluid, and lubricant. No staining or evidence of a release was noted, and no cracks, drains, or other subsurface conduits were observed in this area.

CMC Rebar operates as a maintenance shop on the east side of the fabrication building on Parcel 4. Roux personnel observed 2-gallon drums, used to used waste oily, on a secondary containment unit. Moderate staining and absorbent material were observed on the concrete floor surrounding the drums. One 275-gallon tote containing diesel exhaust fluid was observed adjacent to a diesel AST. No cracks, drains, or other subsurface conduits were observed in these areas. Roux also observed a metal hazardous waste storage structure equipped with several 55-gallon tanks and an empty AST. Drums within this area were observed or reported to contain used antifreeze and used oil filters. Significant staining and absorbent material were observed on the metal floor of the containment structure.

5.2.6 Electrical Transformers

Pad-mounted transformers were observed along the northern boundary of the Site. The observed transformers were pad-mounted with no observable staining. Based on the construction and appearance of the transformers, they do not appear to be wet-type, with the potential to contain polychlorinated biphenyls (PCBs). Roux does not consider the presence of these transformers to be an environmental concern.

According to Site personnel and previous reports, facility-owned transformers were located south of the rolling mill building. These transformers were reportedly installed in the 1950s during early Site development. According to a 2010 Phase I ESA reviewed by Ramboll, dielectric oil within the transformer was determined to contain PCBs at a maximum concentration of 17 parts per million. Roux personnel observed three empty transformer oil tanks and a 55-galon drum containing non-PCB transformer oil in a temporary hazardous waste storage area along the southern boundary of the Site. Mr. Fultz indicated that all former facility-owned transformer were drained and removed off Site. No staining or evidence of a release was observed in the temporary hazardous waste storage area. Potential subsurface impacts associated with PCB storage in the main production line area were addressed as part of a previous Site investigation discussed in Section 6.0.

5.2.7 Hydraulic Lifts

One aboveground hydraulic lift was observed in the maintenance shop area for CMC Rebar on Parcel 4. The lift was equipped with a small aboveground reservoir of hydraulic fluid. Minor surficial staining was observed at the base of the unit. Based on the surficial nature of the staining, the lift is not expected to represent a significant environmental concern in the context of this Phase I ESA.

5.2.8 Landfills or Landfarms

Baghouse dust wastes and slag generated from the steel mill furnace were historically buried in trenches on Parcel 4. Baghouse dust waste commingled with slag was historically stockpiled on Parcels 1 and 2. Previous remedial actions performed in these areas are discussed in Section 6.0.

Buried slag material, measuring generally between 2 and 6 inches in diameter, has reportedly been encountered during previous Site investigations. The slag material was primarily encountered in the western, northern, and southwestern portions of the Site at depths ranging from 1 to 10 feet with a thickness ranging between 0.1 and 10 feet. Slag fines (ranging from sand to dust size) and larger pieces of slag were also reportedly encountered. Buried slag materials present throughout the Site is considered an OEF in the context of this Phase I ESA.

5.2.9 Oil-Water Separator(s) and Sump(s)

Roux personnel observed a concrete-paved, open-top, in-ground trench, also identified as a weir, located southeast of the roll mill building. Cooling water from the roll mill was discharged into the weir and recirculated. At the time of Roux' Site reconnaissance, the weir was observed to be empty, with no cracks or damage to the floor. Potential subsurface impacts associated with this feature were addressed as part of a previous Site investigation discussed in Section 6.0.

The Site is equipped with a concrete-paved wash pad located southeast of the roll mill building. This feature was historically used for steam cleaning and pressure washing parts. Dark and oily staining, likely built up from years of use, was observed on this area. Wastewater discharged from the wash pad drained to two nearby concrete-paved sumps that function as a clarifier. Potential subsurface impacts associated with these features were addressed as part of a previous Site investigation discussed in Section 6.0.

Roux observed a three-stage oil-water separator located in the east of the CMC Rebar Fabrication building on Parcel 4. Wastewater from the neighboring wash area enters a trench drain and is discharged into the oil-water separator prior to being discharged into the municipal sewer system. The oil-water separator was not opened for inspection at the time of the Site reconnaissance. Staining and small pools of cleaning water were observed throughout the wash area. Potential subsurface impacts associated with this feature were addressed as part of a previous Site investigation discussed in Section 6.0.

During the Site reconnaissance, Roux observed a wash rack on the northern portion of Parcel 2. The wash rack appears to consist of a wheel wash system and was equipped with a sump. The sump area appeared to be equipped with a pump for removal of sludge waste into a neighboring roll off bin. Sludge waste removed from the area may be impacted with automotive fluids from vehicles and metals from processed slag piles. Wastewater stored in the wash rack could potentially be impacted with petroleum-related products and volatile organic compounds (VOCs), and therefore there is a reasonable likelihood that a release would have occurred. This area was not assessed as part of Ramboll's 2021 Site investigation. The wash rack area is considered a REC in the context of the Phase I ESA for the Site.

5.2.10 Rail Cars/Railroad Spurs

Roux personnel observed active rail spurs throughout Parcels 2 and 3. Environmental concerns associated with rail spurs are discussed above in Section 4.1.

5.2.11 Silos

Roux personnel observed two large silos north of the melt shop on Parcel 2. These silos were reportedly empty at the time of the Site reconnaissance and previously stored lime for use in the melt shop. Based on the solid nature of the materials, the former storage of lime at the Site is not expected to represent a significant environmental concern in the context of this Phase I ESA.

5.2.12 Stormwater Detention Pond

The Site features a stormwater detention pond located on the southwest corner. Stormwater runoff from central and western portions of the Site is reportedly routed via drainage swales into intermediate treatment points for separation of solids, oil, and grease and deposited into the detention pond. Based on the use of the detention pond solely for stormwater runoff, the presence of the pond is not expected to represent a significant environmental concern.

The Site also features a stormwater infiltration basin and stormwater detention pond located on the southeast corner. Stormwater runoff from the eastern portion of the Site and adjacent TI Wire facility is routed to the stormwater infiltration basin or detention basin. Based on the use of the infiltration basin and detention pond solely for stormwater runoff, the presence of these features is not expected to represent a significant environmental concern.

5.2.13 Underground / Aboveground Storage Tanks and Associated Piping

The Site features a fueling station equipped with one 12,000-gallon dual-compartment UST, located north of the main office building on Parcel 3. The UST is of steel and fiberglass construction and consists of one 10,000-gallon diesel compartment and one 2,000-gallon gasoline compartment. According to Mr. Fultz, both tank compartments were drained within the last year and there are no plans to refill them. The active UST area was assessed as part of Ramboll's 2021 Site investigation. No constituents of concern were identified above regulatory screening levels in soil and soil vapor samples collected in the vicinity of the active UST. Based on the long history of industrial operations at the Site and unknown age of this tank, there is a reasonable likelihood of a release of gasoline and/or diesel to the subsurface at the Site. Further investigation may be warranted during removal of this feature part of future redevelopment activities. The current 12,000-gallon gasoline and diesel UST is considered a REC in the context of this Phase I ESA.

Summary of Aboveground Storage Tanks					
Status	**Approximate Capacity (gallons)**	**Product Stored**	**Location**	**Construction**	**Secondary Containment**
Active	500	Diesel	Parcel 4 Maintenance Shop	Steel	Steel berm
Active	250	Dyed diesel	Parcel 4 Maintenance Shop	Steel	Steel pan
Active	500	Motor oil	Parcel 1, East of shop area	Steel	Concrete berm
Active	1,000	Diesel	Parcel 1, East of shop area	Steel	Concrete berm
Active	500	Hydraulic fluid	Parcel 1, East of shop area	Steel	Concrete berm
Active	500	Waste oil	Parcel 1, East of shop area	Steel	Concrete berm

No significant staining or evidence of a release was observed in the vicinity of the ASTs. No drains or other subsurface conduits were observed in the immediate vicinity of the ASTs.

5.2.14 Wells

A groundwater well was observed on the southeastern corner of the Site. According to a previous Phase I ESA report, the well is approximately 728 feet deep, and groundwater has been measured at a depth of 378 feet bgs. Water pumped from the well is used for dust suppression and not for potable use. Roux personnel observed an AST for water storage and an inactive water tower in the vicinity of the well. Although hazardous substances and petroleum products have been previously stored on Site, these materials were reportedly not stored in the immediate vicinity of the well. Therefore, the presence of the wells is not expected to represent a significant environmental concern.

5.3 Vapor Intrusion

Roux performed a vapor migration/intrusion pathway assessment. Historical use of the Site as a steel mill, including various fuel-related tanks and solvent use constitute a known source for potential vapor intrusion. Adjacent and nearby properties (specifically DP Etiwanda site adjacent to the east) may also constitute possible sources for vapor intrusion.

The former on-Site and nearby operations have been identified elsewhere in this report as RECs or OEFs.

6. Summary of Key Previous Investigations

The following sections provide a summary of previous environmental investigations at the Site, particularly in regard to the former steel milling operations at the Site.

6.1 Phase I Environmental Site Assessment (Ramboll, 2021A)

The following on-Site environmental hazards were identified by Ramboll during a Site reconnaissance conducted on March 19, 2021.

- Hazardous substances and petroleum products;
- ASTs;
- UST - one active 12,000-gallon dual compartment UST containing diesel and gasoline;
- Pools of liquid, standing surface water, or sumps;
- Transformer and hydraulic equipment likely containing PCBs;
- Stains or corrosion on interior floors, walls, or ceilings;
- Pits, ponds, and lagoons;
- Stained soil or pavement;
- Solid waste disposal areas; and
- Water well.

Ramboll provided summaries of previous Site investigations, discussed below. Copies of the previous investigation reports, as well as relevant regulatory documentation, were provided in Appendix D of the Ramboll 2021 Phase I ESA report (Ramboll, 2021A). Subsequent soil and soil vapor sampling conducted by Ramboll in these areas of concern are discussed below and in Ramboll's Phase II Subsurface Investigation Report (Ramboll, 2021B).

- 1988 Clean Closure Verification (Parcel 4), Slag Trench Remediation Area;
- 1990 Remediation of Lead Contaminated Soil at Southwest Corner of the Site (Parcel 1);
- 1993 UST Removals (Parcel 3);
- 1994 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Preliminary Assessment (PA; Parcels 1, 2, and 3);
- 2001 Preliminary Endangerment Assessment (Parcel 4), Slag Trench Remediation Area;
- 2002 Baghouse Dust Commingled with Slag Stockpile Remediation (Parcels 1 and 2);
- 2006 UST Closure (Parcel 3);
- 2007 Remediation of Soils Impacted with Heavy Metals North of Pad 16 (Parcel 2);
- 2011 UST Removal (Parcel 2); and
- 2014 UST Removal (Parcel 4)

Ramboll discussed the findings of a concurrent Phase II Subsurface Investigation report (summarized below). Ramboll identified localized detections of total petroleum hydrocarbons in the diesel range (TPH-d), metals, and tetrachloroethene (PCE) in exceedance of screening levels and/or hazardous waste criteria as a REC.

6.2 Phase II Subsurface Investigation Report (Ramboll, 2021B)

Based on the findings of their Phase I ESA and at the direction of CMC, Ramboll performed a Site-wide Phase II Subsurface Investigation. At the time of the assessment, CMC was shutting down steel mill operations.

The objectives of the Phase II investigation, as stated by Ramboll, were to assess current soil and soil vapor conditions as part of CMC's shut down of operations (Ramboll, 2021b). The Phase II investigation evaluated point-source features of concern, including former USTs, clarifiers, cooling towers, chemical storage areas, and former remediation areas. Ramboll also conducted unbiased, Site-wide grid sampling to assess the extent and presence of buried slag and areas that had not previously been sampled.

Summary of Ramboll's General Phase II Findings

A total of 99 borings were advanced throughout the Site to depths ranging from 5 to 30 feet bgs. The initial phase of sampling consisted of the drilling of 69 borings. Based on the initial results, an additional 30 step-out borings were advanced during the second phase of fieldwork. Soil samples were collected and analyzed for metals, VOCs, and TPH at most locations, with select samples also analyzed for hexavalent chromium and/or PCBs. Soil vapor samples were collected at 26 locations and analyzed for VOCs.

Soil

Soil sample results were compared to US Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) and Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO) Human Health Risk Assessment (HHRA) Note No. 3 modified screening levels (SLs) for commercial/industrial soil. Soil samples were also compared to their respective total threshold limit concentration (TTLC) and soluble threshold limit concentration (STLC) criteria for hazardous waste characterization. The following constituents of concern were detected above commercial screening levels during the soil sampling phase of this investigation:

- **TPH-d** was detected above its SL of 560 milligrams per kilogram (mg/kg) in two locations during the initial sampling around: RSB-03 at 1-foot bgs (9,230 mg/kg) and RSB-05 at 1-foot bgs (2,210 mg/kg). Step-out samples were subsequently collected in the vicinity of the borings RSB-03 and RSB-05. TPH-d was reported in 11 step-out samples with 7 detections exceeding its SL. The highest detections of TPH-d were in samples collected at 1 foot and 3 feet bgs. Ramboll stated that the extent of TPH-d impacts was limited in lateral extent and depth. However, lateral extents at the 1-foot depth are undefined and the vertical extent at one location (RSB-05-S) was not defined.

- **Total lead** was detected above its SL of 320 mg/kg at two locations during the initial sampling round: RSB-02 at 3 feet bgs (2,910 mg/kg) and RSB-57 at 1-foot bgs (918 mg/kg) and 3 feet bgs (401 mg/kg). Several step-out samples were collected in the vicinity of borings RSB-02 and RSB-57 and lead was detected above its SL in three samples collected in step-out locations. Ramboll stated that the extent of lead impacts was limited in lateral extent and depth. However, lateral extents at the 1-foot depth are undefined.

- **Total cadmium, lead, and zinc** were detected at concentrations exceeding their respective TTLC limits. Exceedances were specifically identified in samples collected at RSB-43 (cadmium), RSB-02 (lead and zinc), and RSB-02-W (lead). One detection of soluble lead (31.8 milligrams per liter [mg/L]), collected from RSB-02 at 3 feet bgs, also exceeded its toxicity characteristic leaching procedure (TCLP) limit of 5 mg/L. No other metals exceeded their hazardous waste criteria limits. Ramboll made the general statement that removal of metals-impacted soil would need to be managed in compliance with state and federal law.

Soil Vapor

Soil vapor samples results were compared to USEPA commercial/industrial RSLs and DTSC SLs for air. Attenuation factors (AFs) used by Ramboll for the DTSC SLs were 0.001 AF and the more conservative 0.03 AF. Several VOCs were detected in soil vapor samples collected during the initial phase of the investigation; chloroform and PCE were the only constituents above their respective SLs (using an AF of 0.001).

- **Chloroform** was detected above its screening level of 530 micrograms per meter cubed (µg/m^3) in one soil vapor sample collected at RSB-32 at 30 feet bgs. Ramboll did not provide further discussion of chloroform impacts detected in soil vapor at the Site.

- **PCE** was detected above its SL of 2,000 µg/m^3 in soil vapor samples collected at RSB-54 at 5 feet bgs, RSB-54-CL at 15 feet bgs, and RSB-54-E at 5 feet bgs. According to Ramboll, PCE impacts in soil vapor were localized to one area (east portion of Parts Warehouse building) and were contained in the upper 15 feet. Ramboll stated that further soil vapor assessment and/or mitigation may be warranted in this area.

No additional soil vapor sampling was conducted during Ramboll's second phase of Phase II investigations.

Slag Material

Slag material, measuring generally between 2 and 6 inches in diameter, was encountered in 33 of 99 boring locations. The slag material was primarily encountered in the western, northern, and southwestern portions of the Site at depths ranging from 1 to 10 feet with a thickness ranging between 0.1 and 10 feet. According to Ramboll, slag fines (ranging from sand to dust size) and larger pieces of slag were also encountered. Ramboll recommended preparation of a Site-specific Soil Management Plan (SMP) to address slag material that may be encountered during excavation/earthwork and future redevelopment activities.

Groundwater was not encountered during Ramboll's Phase II investigation, which only extended to a maximum depth of 30 feet bgs. Groundwater has historically been encountered over 300 feet bgs.

ROUX OBSERVATIONS & COMMENTS

Soil

Ramboll collected step out soil samples at locations where TPH-d and total lead exceeded their respective SLs. The lateral extent of TPH-d and total lead impacts were not laterally or vertically delineated by some of the step out sample locations.

- **TPH-d** was detected above its SL of 560 mg/kg in two step out locations for RSB-03 at 1 foot bgs (RSB-03-E and RSB-S). At RSB-05, SL exceedances were detected at four step out locations at 0.5-foot bgs (RSB-05-SCL, RSB-05-S2, RSB-05-SSW, and RSB-05-SSE), at one step out location at 1-foot bgs (RSB-05-S), and at one step out location at 3 feet bgs (RSB-05-S).

- **Total lead** was detected above its SL of 320 mg/kg at one step out location for RSB-02 at 3 feet bgs (RSB-02-W) and at two step out locations for RSB-57 at 1 foot bgs (RSB-57-S and RSB-57-W).

Soil data collected by Ramboll in 2021 and historically by other investigators identified SL exceedances of TPH-d and metals in soil. Metals concentrations for cadmium, lead, and zinc exceeded TTLC and/or TCLP, which for disposal purposes would classify these soils as hazardous. TPH-d and metals SL exceedances are considered a REC in the context of Roux's Phase I ESA for the Site.

Soil Vapor

Ramboll compared VOCs detected in soil vapor samples using screening levels calculated with an AF of 0.001. Ramboll also presented screening levels using a more conservative AF of 0.03, which is used by regulatory agencies, including the Department of Toxic Substances Control (DTSC), but did not use those in its conclusions (Table 5 of the Phase II Report). The following VOCs exceeded their respective soil vapor commercial SLs using an AF of 0.03.

- **Chloroform** was detected above its SL of 17 $\mu g/m^3$ in four samples: RSB-25 at 5 feet bgs (60 $\mu g/m^3$) and 15 feet bgs (260 $\mu g/ m^3$), RSB-32 at 30 feet bgs (1,000 $\mu g/ m^3$), and RSB-43 at 15 feet bgs (30 $\mu g/ m^3$).

- **Benzene** was detected above its SL of 14 $\mu g/m^3$ in two samples: RSB-28 at 5 feet bgs (20 $\mu g/m^3$) and RSB-29 at 5 feet bgs (220 $\mu g/m^3$).

- **PCE** was detected above its SL of 67 $\mu g/m^3$ in 21 samples. The soil vapor samples in exceedance were collected from the following boring locations: RSB-30, RSB-38, RSB-53, RSB-54, RSB-60, and RSB-61.

Soil vapor data collected by Ramboll in 2021 showed SL exceedances for chloroform, benzene, and PCE. VOC SL exceedances are considered a REC in the context of Roux's Phase I ESA for the Site.

7. Database Records Review

7.1 Standard Environmental Record Sources

According to ASTM Standard E1527-13, the purpose of reviewing regulatory records is to obtain and review records that will help identify *recognized environmental conditions* in connection with the Site. In addition, some records to be reviewed pertain not only to the Site, but also to properties within an additional "approximate minimum search distance" in order to help assess the likelihood of problems from migrating hazardous substances or petroleum products. The basis of the "approximate minimum search distance" is the Site boundary.

Roux retained EDR of Shelton, Connecticut to provide an ASTM Radius Map Report (EDR Report) for this Site. This report is a computerized search of select state and federal environmental databases that identify various properties with a record of environmental activity. Roux reviewed the report and summarized the relevant findings in the following sections. A copy of the compiled EDR Report has been included as Appendix F. The EDR report includes a detailed description of each of the databases searched, providing a summary of the type of information provided by each. A summary of Roux' review of the EDR Report listings is provided in Table 1.

The following section describes the findings of the database search. Roux used professional judgement in determining which EDR-listed sites to include in the narrative of this report. Facilities adjacent to the Site were included due to their proximity to the Site and the potential for surface water discharges (e.g., storm water runoff, surface water effluent discharges) to enter the Site or through the migration of groundwater. Sites with listings indicative of a release (e.g., SHWS, LUST, RELEASE) are likewise discussed below. Nonadjacent facilities with database listings not necessarily indicative of a release (hazardous waste generator, FINDS, ECHO, NPDES, HAZNET, AST, or UST) will not be discussed unless considered potentially relevant in context of the Phase I ESA.

7.1.1 Site (Target Property)

Address	Owner/Operator	Database
12459-B Arrow Route	Phoenix Services LLC	San Bern. Co. Permit, CERS, CERS TANKS, CERS HAZ WASTE
	TAMCO	SEMS-ARCHIVE, PRP, RCRA-LQG, ENVIROSTOR, LUST, CPS-SLIC, UST, VCP, CERS HAZ WASTE, SWEEPS UST, HIST UST, EPA WATCH LIST, Cortese, HIST CORTESE, San Bern. Co. Permit, HWTS, HAZNET, FINDS, ECHO, NPDES, CIWQS, CERS, TSCA, ICIS, US AIRS, EMI, NPDES
	TERVITA LLC	RCRA NonGen/NLR, FINDS, ECHO, HAZNET, HWTS, ICIS, EMI, CERS
12459 Arrow Route	TAMCO	EMI, UST, LUST, AST, CHMIRS, NPDES, CIWQS, CERS, San Bern. Co. Permit, RGA LUST, FINDS, ECHO, ICIS, AST, WDS, HWTS,

Address	Owner/Operator	Database
		HAZNET, TSCA, CERS HAZ WASTE, CERS TANKS, TRIS, ENVIROSTOR
	SCE-AMERON SUBSTATION	AST, HAZNET, HWTS, CERS, San Bern. Co. Permit
	IWPAD INC	WDS, EMI
	PHOENIX SERVICES LLC	RCRA NonGen/NLR, FINDS, ECHO, HWTS, HAZNET
	AMERON STEEL AND WIRE	RGA LUST, LUST, CERS, SWEEPS UST, HIST UST, Cortese, HAZNET, HWTS, EMI, HIST CORTESE
	PIPE SUBSTATION	RCRA NonGen/NLR, FINDS, ECHO, CERS, San Bern. Co. Permit, AST
	CMC CALIFORNIA STEEL	NPDES, CIWQS
	N/A	CHMIRS, HMIRS
	TUBECITY IMS LLC	HAZNET, CERS, HWTS
	UNITED SLAG PROCESSING	HWTS, EMI
	LOGISTICS EXPRESS	HAZNET, HWTS
	GERDAU STEEL	CIWQS
	OLYMPIC MILL SERVICE	HAZNET, HWTS
12451 Arrow Route	CMC REBAR ETIWANDA, CMC STEEL FABRICATORS	FINDS, ECHO, RCRA NonGen/NLR, UST, ENVIROSTOR, VCP, CERS HAZ WASTE, NPDES, San Bern. Co. Permit, CIWQS, CERS, TRIS, HWTS, HAZNET
	FONTANA STEEL	WDS, FINDS, HWTS, HAZNET, UST

The EDR database report identified several listings for the CMC California Steel and historical operations at 12459 and 12459-B Arrow Route. Other entities for the Site identified in the database report include Phoenix Services, TAMCO, Tervita LLC, SCE Ameron Substation, IWPAD, Ameron Steel and Wire, Pipe Substation, TubeCity IMS LLC, United Slag Processing, Logistics Express, Gerdau Steel, and Olympic Mill Service. Pertinent Site listings are summarized here; however, detailed discussion of historical manufacturing activities, subsurface investigations, and completed remedial actions can be found in Section 6.0.

- The Site was listed as a “no further remedial action planned” (NFRAP) site in the SEMS-ARCHIVE database, a “no further action” site in the ENVIROSTOR database, a “case closed” site in the LUST

database, and a "completed – case closed" site in the CPS-SLIC database. Previous site investigations including regulatory oversight are discussed above in Section 6.0.

7.1.2 Adjoining and Nearby Properties

Discussions of adjoining (adjacent) and nearby properties of potential environmental concern as noted in Table 1 are provided below.

- **Parallel Products of California (12281 Arrow Route)**, located adjacent to the west, was listed several databases including the SLIC REG 8 database. According to the listing, Parallel Products in a "closed" SLIC for a release of total dissolved solids (TDS) and biochemical oxygen demand (BOD) substances in soil and groundwater. Roux accessed the SWRCB GeoTracker database to obtain more information; however, no release case number was listed. TDS and BOD are parameters used to measure water quality. Based on the lack of information indicating a release of hazardous substances or petroleum products, this adjacent site is not expected to represent a significant environmental concern in the context of this Phase I ESA.

- **Air Liquide (12550 Arrow Route)**, located adjacent to the north (across Arrow Route), was listed in several database including the LUST database. According to the listing, a release of diesel to soil was cleaned up with oversight of the County of San Bernardino. Impacted soil was reportedly excavated and disposed in an approved site. The release case was closed in February 1996. Roux accessed the SWRCB GeoTracker database to obtain more information; however, no additional pertinent information was available. Based on the affected media (soil only) and regulatory status, this adjacent site is not expected to represent a significant environmental concern in the context of this Phase I ESA.

- **Ameron International Co., Brine Facility (12455 Arrow Route),** located adjacent to the east, was listed in several database including the DEED database. According to the information obtained from the SWRCB GeoTracker database, this site was used as a landfill and has a land use/deed restriction due to elevated concentrations of soluble salts in underlying soils. According to a *Final Brine Pond Report* prepared by Fuscoe Engineering (dated June 28, 2016), the site was previously developed with a brine pond by AMERON International Corporation, a manufacturer of reinforced concrete pipe. As of 2014, the brine pone was lined and backfilled and a new concrete cap was constructed with approval of the Santa Ana RWQCB. A new deed restriction was issued in 2015 and the GeoTracker case was closed 2016. Based on the completed remediation, regulatory status, and media affected (soil only), this adjacent site is not expected to represent a significant environmental concern in the context of this Phase I ESA.

- **DP Etiwanda (8822 Etiwanda Avenue)**, located adjacent to the east, was listed in several databases including the ENVIROSTOR database. The status of the EnviroStor case is listed as "Certified O&M – Land Use Restrictions as of 10/22/2020." Roux accessed the DTSC EnviroStor database to obtain more information. According to the EnviroStor site history summary, previous site investigations have identified elevated concentrations of metals, TPH, and PCBs in soil. A land use covenant was recorded between the site owners and DTSC, restricting the site to commercial/industrial land use. Based on the proximity to the Site and known impacts to the subsurface, this adjacent site is considered an OEF in the context of this Phase I ESA.

- **Southern California Edison (SCE) – Etiwanda Generating Station (8998 Etiwanda Avenue)**, located adjacent to the south, was listed in several databases including the ENVIROSTOR database. The status of the EnviroStor case is listed as an active corrective action facility with oversight of DTSC. Roux accessed the DTSC EnviroStor database to obtain more information. According to the EnviroStor site history summary, SCE stored hazardous wastes in non-permitted wastewater retention basins. The site is divided into the following sub-areas: Inland Empire Utilities Agency (EIUA) Parcel and Black Creek Parcel. The Black Creek Parcel consists of the boiler chemical

cleaning basin, north wastewater retention basin, south wastewater retention basin, units 3 and 4 fireside wash system sediment trap, units 1 and 2 boiler acid wash drain system, units 1 and 2 fireside wash drain system, units 3 and 4 boiler acid wash drain system, and units 3 and 4 fireside wash drain system. According to records available from the DTSC EnviroStor database, previous site investigations identified limited VOC impacts to soil and soil vapor. In 2011, the retention basins were closed by SCE with DTSC oversight in 2011. In a letter dated December 29, 2011, DTSC issued a closure certification for the retention basin site. Based on the regulatory status and affected media (soil only), this adjacent site is not expected to represent a significant environmental concern in the context of this Phase I ESA.

- **Kaiser Steel (9400 Cherry Avenue)**, located approximately 0.8 mile to the southeast, was listed in several databases including the ENVIROSTOR database. The status of the EnviroStor case is listed as an active voluntary cleanup facility with oversight of DTSC for several releases to the subsurface. Roux accessed the DTSC EnviroStor database to obtain more information. According to a 2016 Remedial Action Plan, the former facility operations resulted in off-site groundwater plumes of TDS and total organic carbon (TOC), located over 1 mile southeast of the Site. Groundwater in this area has been encountered at depths greater than 300 feet bgs. Based on the off-Site location of the groundwater plume and depth to groundwater, this nearby release site is not expected to represent a significant environmental concern in the context of this Phase I ESA.

7.1.3 Orphan Sites

The EDR Report includes a section addressing “Orphan Sites.” Orphan sites are sites, which, due to incomplete geographic location data, incomplete address information or incorrect address information, cannot be plotted correctly. The database report identified four unmapped facilities. Based on the lack of a documented release and distance to the Site, these listings are not expected to represent a significant environmental concern in the context of this Phase I ESA.

8. Findings

Roux has performed this Phase I ESA in general compliance with the scope and limitations of ASTM Standard Practice E1527-13. Roux separated the findings of this assessment into the following four categories: *recognized environmental conditions*, *controlled recognized environmental conditions*, *historical recognized environmental conditions* and *other environmental features*.

8.1 Data Gaps

During conduct of this ESA, the following data gaps, as defined in ASTM Standard E1527-13 were identified:

- The timing of the report did not allow for all contacted agencies to respond to the records requests issued. This data gap is not considered significant due to sufficient information available from previous environmental reports, the EDR report, and city, county, and state websites.
- Previous Site owners/operators were not available for an interview. This data gap is not considered significant due to sufficient information regarding Site history available from EDR historical documents and PRA/FOIA requests.
- Due to the size of the property and quantity of materials stored on Site, Roux was unable to observe all floor and ground surface areas. Features may be present that were not observed during the Site reconnaissance.

8.2 Recognized Environmental Conditions

Based on the information obtained through the performance of this ESA, Roux identified the following RECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the RECs are shown in Figure 2. To avoid confusion, all RECs, cRECs, and hRECs, and OEFs are numbered sequentially.

REC 1 - Site-Wide TPH and Metals Impacts to Soil and VOC impacts to Soil Vapor. Ramboll conducted a Phase I ESA and Phase II Subsurface Investigation of the Site in April and June 2021. The subsurface investigation targeted features of concerns (discussed below) and included Site-wide grid sampling. Soil vapor data collected by Ramboll showed SL exceedances for chloroform (in three locations), benzene (in two locations), and PCE (in six locations). Soil data collected by Ramboll and historically by other investigators identified SL exceedances of TPH-d and metals in soil. Metals concentrations for cadmium, lead, and zinc exceeded TTLC and/or TCLP, which for disposal purposes would classify these soils as hazardous. Detections of VOCs, TPH-d, and metals above SLs are considered a REC in the context of this Phase I ESA.

REC 2 – Rail Spurs. Rail spurs have been in place on Site at Parcels 2 and 3 since at least 1959. Railroad spurs represent environmental concerns due to the historical application of oils containing PCBs, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material. In addition, due to the historical use of the subject property for industrial purposes, the possibility for spills of hazardous substances and/or petroleum products during loading and unloading of railcars represents a concern. Based on the historical industrial use of the Site and age of these features, the on-Site rail spurs are considered a REC in the context of this Phase I ESA.

REC 3 – Current Diesel and Gasoline Underground Storage Tank. The Site features a fueling station equipped with one 12,000-gallon dual-compartment UST, located to the north of the main office building on Parcel 3. The UST is of steel and fiberglass construction and consists of one 10,000-gallon diesel compartment and one 2,000-gallon gasoline compartment. According to on-Site personnel, both tank compartments were drained within the last year and there are no plans to refill them. The active UST area was assessed as part of Ramboll's 2021 Site investigation. No constituents of concern were identified above regulatory screening levels in soil and soil vapor samples collected in the vicinity of the active UST. Based on the long history of industrial operations at the Site and unknown age of this tank, there is a reasonable likelihood of a release of gasoline and/or diesel to the subsurface at the Site. Further investigation may be warranted during removal of this feature part of future redevelopment activities. The current 12,000-gallon gasoline and diesel UST is considered a REC in the context of this Phase I ESA.

REC 4 – Former Chemical Storage Area (Parcel 2). During the Site reconnaissance, Roux observed a former chemical storage area located northwest of the melt shop on Parcel 2. Observed signage indicates the area was previously used for storage of new and used oils. The former chemical storage area consists of an asphalt and concrete paved area that is partially bermed. Moderate staining and cracks were observed in the former chemical storage area. This area was not assessed as part of Ramboll's 2021 Site investigation. The former chemical storage area is considered a REC in the context of the Phase I ESA for the Site.

REC 5 – Wash Rack (Parcel 2). During the Site reconnaissance, Roux observed a wash rack on the northern portion of Parcel 2. The wash rack appears to consist of a wheel wash system and was equipped with a sump. The sump area appeared to be equipped with a pump for removal of sludge waste into a neighboring roll off bin. Sludge waste removed from the area may be impacted with automotive fluids from vehicles and metals from processed slag piles. Wastewater stored in the wash rack could potentially be impacted with petroleum-related products and VOCs, and therefore there is a reasonable likelihood that a release would have occurred. This area was not assessed as part of Ramboll's 2021 Site investigation. The wash rack area is considered a REC in the context of the Phase I ESA for the Site.

REC 6 - Potential Inactive On-Site USTs. Based on a review of previous reports and regulatory agency records, the Site has been equipped with at least 24 USTs previously used to stored gasoline, diesel, fuel oil, or waste-oil. Limited information was available regarding the location, installation, or removal for 10 of the 24 documented USTs. Records indicating a subsurface investigation associated with the reported removal of some of the tanks were not available to review. Additional information regarding on-Site USTs may be on file with the San Bernardino County Fire Department (SBCFD). These inactive USTs may be present on-Site and may have resulted in a release of petroleum products. The potentially inactive USTs are therefore considered a REC in the context of this Phase I ESA.

8.3 Historical Recognized Environmental Conditions

Roux identified the following hRECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the hRECs are shown in Figure 2.

hREC 1 – Lead Remediation Area (Parcel 1). Lead-contaminated soil at the southwestern corner of the Site (Parcel 1) was remediated via detoxification (stabilization) between 1989 and 1990. On

November 7, 1990, the SA-RWQCB issued a letter of no further action for this area. The former lead-impacted soil at the southwestern corner of the Site is considered an hREC in the context of this Phase I ESA.

hREC 2 – Former Fuel Oil USTs (Parcel 3). In November 1993, four fuel oil USTs, totaling approximately 50,000 gallons, were removed from Parcel 3. Approximately 474 cubic yards of impacted soil were excavated and removed from the Site. In a letter dated April 28, 1994, the SBCDEHS determined no further action was required. The former fuel oil USTs are considered an hREC in the context of this Phase I ESA.

hREC 3 – Metals-Impacted Soil (Parcel 1). According to a previous report, metals-impacted soil from the southwest corner of the Site (Parcel 1), which were treated and stabilized under DTSC oversight between 1989 and 1990, was used as backfill for the excavation of the four fuel oil USTs removed in 1993. The backfilled fuel oil UST excavation is considered an hREC in the context of this Phase I ESA.

hREC 4 – Slag Trench Remediation (Parcel 4). Baghouse dust wastes and slag generated from the steel mill furnace were historically buried in trenches on Parcel 4. In 1988, baghouse dusts were excavated from the area and confirmation sampling was performed under DTSC oversight. DTSC concluded that remaining metals concentrations met health-based criteria for unrestricted land use and issued a letter of approval dated December 20, 2001. The slag trench remediation area in Parcel 4 is considered an hREC in the context of the Phase I ESA.

hREC 5 – Slag Remediation Area (Parcels 1 and 2). Baghouse dust waste commingled with slag was historically stockpiled on Parcels 1 and 2. Under oversight of the SBCFD, a RAP was prepared and implemented to treat impacted materials. In a letter dated July 2, 2002, the SBCFD determined no further action was required. However, a copy of the RAP and SBCFD closure letter were not provided to Roux. The former slag stockpile remediation area on Parcels 1 and 2 are considered an hREC in the context of the Phase I ESA.

hREC 6 – Former Diesel USTs (Parcel 3). A total of four 12,000-gallon diesel USTs were removed from Parcel 3 in 2006. Confirmation sampling did not identify reportable concentrations of TPH or VOCs in soil. In a letter dated October 6, 2006, the SBCFD determined no further action was required. The four former diesel USTS removed from Parcel 3 are considered an hREC in the context of the Phase I ESA.

hREC 7 – Former Diesel UST (Parcel 2). In November 2010, one 300-gallon diesel fuel UST located southwest of an emergency generator was removed from Parcel 2. One confirmation soil sample was collected from beneath the tank excavation at approximately 6.5 feet bgs. A UST closure report was submitted to the SBCFD for review. In a letter dated March 7, 2011, the SBCFD determined that no further investigation was warranted at the time. The former 300-gallon diesel fuel UST previously located on Parcel 2 is considered an hREC in the context of the Phase I ESA.

hREC 8 – Former Diesel UST (Parcel 4). In June 2014, one 12,000-gallon diesel UST and associated dispenser equipment was removed from the eastern portion of Parcel 4. Confirmation sampling identified residual concentrations of TPH-d in all three soil samples. In a letter dated October 29, 2014, SBCFD determined that no further action was required regarding the former diesel UST. The former 12,0000-

gallon diesel fuel UST previously located on Parcel 4 is considered an hREC in the context of the Phase I ESA.

8.4 Controlled Recognized Environmental Conditions

Roux identified the following cRECs in connection with the current and historical operations at the Site or adjacent properties. To the extent possible, the locations of the cRECs are shown in Figure 2.

cREC 1 – Pad 16 Remediation Area. In January 2005, DTSC collected surface soil samples in and around a scrap metal storage area in Parcel 2 during a Site visit. Analysis of the samples indicated an area of soil located north of scrap piles 12 and 16 was impacted with heavy metals above hazardous waste classification criteria. In November 2005, metals-impacted soils were excavated, and surface soils were screened until the screening demonstrated acceptable levels. Excavated soils that passed the cleanup criteria were returned to the excavation as backfill and "a small amount" of crushed slag was used to bring the area to grade. The remediated area was paved with asphalt to avoid future recontamination. Soils that exceeded cleanup criteria were transported off Site for disposal. Tamco, the Site owner at the time, and DTSC signed a Consent Order dated April 26, 2007, detailing the completed remediation activities. Based on the completed remediation of metals-impacted soils and implementation of a DTSC Consent Order, the former metals-impacted soils north of Pad 16 in Parcel 2 are considered a cREC in the context of the Phase I ESA.

8.5 Other Environmental Features

OEFs are environmental conditions that do not meet the definition of a REC, cREC, or hREC, but which may warrant mention in a comprehensive Phase I ESA. Based on the subject Phase I ESA, Roux identified the following OEFs at or in the vicinity of the Site. To the extent possible, the locations of the OEFs are shown in Figure 2.

OEF 1 – Historical Site-Wide Agricultural Use. Based on a review of historical sources, the Site was used for agricultural purposes (row crops) as early as 1938 through approximately 1981. It is likely that agricultural chemicals were used on-Site. It is likely that agricultural chemicals (possibly lead-or arsenic-based and organochlorine pesticides) were used on-Site. The Site was developed for commercial/industrial use by the 1950s. Shallow soils that may have been impacted by agricultural chemicals were likely removed or shifted during grading and development activities. Based on the time elapsed since agricultural use and redevelopment of the Site, Roux considers the historical agricultural use to be an OEF in the context of the Phase I ESA.

OEF 2 – Nearby DP Etiwanda Site. The east adjacent site, identified as DP Etiwanda at 8822 Etiwanda Avenue, was listed in several databases including the ENVIROSTOR database. The status of the EnviroStor case is listed as "Certified O&M – Land Use Restrictions as of 10/22/2020". Roux accessed the DTSC EnviroStor database to obtain more information. According to the EnviroStor site history summary, previous site investigations have identified elevated concentrations of metals, TPH, and PCBs in soil. A land use covenant was recorded between the site owners and DTSC, restricting the site to commercial/industrial land use. Based on the proximity to the Site and known impacts to the subsurface, this adjacent site is considered an OEF in the context of this Phase I ESA.

OEF 3 – Site-Wide Buried Slag Material. Buried slag material, measuring generally between 2 and 6 inches in diameter, has reportedly been encountered during previous Site investigations. The slag

material was primarily encountered in the western, northern, and southwestern portions of the Site at depths ranging from 1 to 10 feet with a thickness ranging between 0.1 and 10 feet. Slag fines (ranging from sand to dust size) and larger pieces of slag were also reportedly encountered. Slag material typically is not considered a hazardous or petroleum-containing material. Buried slag materials present throughout the Site is considered an OEF in the context of this Phase I ESA.

9. References

American Society for Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-13)

EDR, *The EDR Radius Map™ Report with GeoCheck®*, August 31, 2021

EDR, *The EDR Aerial Photo Decade Package*, August 31, 2021

EDR, *EDR Historical Topo Map Report*, August 31, 2021

EDR, *Certified Sanborn Map Report*, August 31, 2021

EDR, *The EDR-City Directory Abstract*, August 31, 2021

EDR, *EDR Environmental Lien and AUL Search*, August 31, 2021

EDR, *EDR Building Permit Report*, August 31, 2021

EDR, *The EDR Property Tax Map Report*, August 31, 2021

Iris Environmental, *Final Groundwater Remedial Investigation Report / Feasibility Study and Remedial Action Plan, Former Kaiser Steel Mill, San Bernardino County, California*, September 1, 2016.

P. Hamilton, Engineering Geologist, *Annual Groundwater Monitoring Report, Groundwater Detection Monitoring Program with Fourth Quarter 2009 Sampling Data, Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga, California,* February 7, 2010.

Ramboll US Consulting, Inc. (Ramboll), *Phase II Subsurface Investigation Report, 12459-B Arrow Route, Rancho Cucamonga, California,* April 28, 2021.

Ramboll, *Phase I Environmental Site Assessment, 12459-B Arrow Route, Rancho Cucamonga, California,* June 2021.

10. Signature of Environmental Professional

Roux performed this assessment in accordance with the generally accepted practices for environmental assessments at the time of implementation. Roux made a reasonable effort to ensure that the information presented in this report is materially complete and accurate.

Roux completed a Phase I ESA in general compliance with the scope and limitations of ASTM Practice E1527-13 of the industrial property located at 12451 Arrow Route, Rancho Cucamonga, San Bernardino County, California.

“We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental professional as defined in §312.10 of 40 CFR 312” and,

“We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.”

Roux performed this Phase I ESA by, or under direct supervision of, the undersigned environmental professionals.

Respectfully Submitted,

ROUX ASSOCIATES, INC.



Matthew Nelson, P.E.
Senior Engineer



Mauricio Escobar, P.G.
Principal Geologist

TABLES

1. Standard Environmental Record Sources (EDR Report) Summary

Table 1: Standard Environmental Record Sources (EDR Report) Summary

12459 Arrow Route Rancho Cucamonga, CA 91739

Site Name	Address	Database Listings	Distance (Miles)	Direction	Discussed in Report Text
PHOENIX SERVICES LLC	12459-B ARROW RTE	SAN BERN. CO. PERMIT	TP	TP	Yes
TAMCO	12459 B ARROW ROUTE	SEMS-ARCHIVE,RCRA-LQG,ENVIROSTOR,LUST,CPS-SLIC,UST,VCP,CERS HAZ WASTE,SWEEPS UST,HIST UST,EPA WATCH LIST,CORTESE,HIST CORTESE,SAN BERN. CO. PERMIT,CERS	TP	TP	Yes
TAMCO	12459 ARROW HWY.	EMI	TP	TP	Yes
SCE-AMERON SUBSTATION	12459 ARROW	AST	TP	TP	Yes
IWPAD INC	12459 ARROW RTE	WDS	TP	TP	Yes
TAMCO	12459 ARROW RTE STE B	UST	TP	TP	Yes
PHOENIX SERVICES LLC	12459 ARROW ROUTE	HWTS	TP	TP	Yes
AMERON STEEL AND WIRE	12459 ARROW HIGHWAY	RGA LUST	TP	TP	Yes
AMERON STEEL AND WIRE	12459 ARROW HWY	RGA LUST	TP	TP	Yes
TAMCO	12459 ARROW HWY	LUST,AST,CHMIRS,NPDES,SAN BERN. CO. PERMIT,CIWQS,CERS	TP	TP	Yes
TAMCO	12459-B ARROW ROUTE	HWTS,HAZNET	TP	TP	Yes
PIPE SUBSTATION	12459 ARROW HWY	FINDS,ECHO	TP	TP	Yes
CMC CALIFORNIA STEEL BAGHOUSE	12459 ARROW ROUTE	NPDES,CIWQS	TP	TP	Yes
PHOENIX SERVICES LLC	12459 ARROW ROUTE	HWTS,HAZNET	TP	TP	Yes
TERVITA LLC	12459-B ARROW ROUTE	FINDS	TP	TP	Yes
TREE ISLAND WIRE	12459 ARROW HWY	FINDS	TP	TP	No
TAMCO	12459 ARROW HIGHWAY, SUITE B	EMI	TP	TP	Yes
SOUTHERN CALIFORNIA EDISON AMERON SUBSTATION	12459 ARROW RTE	HWTS,HAZNET	TP	TP	Yes
AMERON STEEL AND WIRE	12459 ARROW ROUTE	RGA LUST	TP	TP	Yes
	12459 ARROW HWY	CHMIRS	TP	TP	Yes
PHOENIX SERVICES LLC	12459-B ARROW ROUTE	CERS HAZ WASTE,CERS TANKS,CERS	TP	TP	Yes
AMERON STEEL AND WIRE	12459 ARROW HWY	LUST,CERS	TP	TP	Yes
TUBECITY IMS LLC	12459 ARROW HIGHWAY	HWTS,HAZNET,CERS	TP	TP	Yes
UNITED SLAG PROCESSING	12459 ARROW HIGHWAY	HWTS	TP	TP	Yes
PIPE SUBSTATION	12459 ARROW HWY	RCRA NONGEN / NLR	TP	TP	Yes
LOGISTICS EXPRESS INC	12459 ARROW RTE	HWTS,HAZNET	TP	TP	Yes
TAMCO	12459 ARROW ROUTE	RGA LUST	TP	TP	Yes
SOUTHERN CALIFORNIA EDISON	12459 ARROW RTE	HWTS	TP	TP	Yes
TERVITA LLC	12459B ARROW RTE	RCRA NONGEN / NLR	TP	TP	Yes
PHOENIX SERVICES LLC	12459 ARROW ROUTE	RCRA NONGEN / NLR	TP	TP	Yes
TAMCO	12459 ARROW HIGHWAY	ICIS,FINDS,ECHO	TP	TP	Yes
TAMCO	12459 B ARROW RTE	FINDS,ECHO	TP	TP	Yes
	12459 B ARROW ROUTE	CHMIRS	TP	TP	Yes
I.W.P.A.D., INC.	12459 ARROW HWY	EMI	TP	TP	Yes
	12459 ARROW ROUTE, SUITE B	CHMIRS	TP	TP	Yes
TAMCO	12459 ARROW RT	AST,WDS	TP	TP	Yes
TERVITA US OPERATIONS LLC	12459-B ARROW RT	FINDS,ECHO	TP	TP	Yes
SCE AMERON SUBSTATION	12459 ARROW RTE	SAN BERN. CO. PERMIT,CERS	TP	TP	Yes
T.I. WIRE	12459 ARROW HWY A	FINDS,ECHO	TP	TP	No
T I WIRE	12459 ARROW ROUTE	HWTS,HAZNET	TP	TP	No
TAMCO	12459 B ARROW RTE	NPDES,CIWQS,CERS	TP	TP	Yes
AMERION STEEL & WIRE DIVISION	12459 ARROW HWY	SWEEPS UST,HIST UST	TP	TP	Yes
AMERON STEEL AND WIRE	12459 ARROW HWY	LUST,CORTESE	TP	TP	Yes
1X TAMCO_STEEL	12459 ARROW	HWTS	TP	TP	Yes
	12459 ARROW ROOT	CHMIRS	TP	TP	Yes
GERDAU STEEL	12459 ARROW ROUTE	CIWQS	TP	TP	Yes
AMERON STEEL AND WIRE	12459 ARROW HIGHWAY	HWTS,HIST UST,HAZNET	TP	TP	Yes
OLYMPIC MILL SERVICE	12459 ARROW RTE	HWTS,HAZNET	TP	TP	Yes
TAMCO	12459-B ARROW ROUTE	TSCA,ICIS,US AIRS	TP	TP	Yes
SOUTHERN CALIFORNIA EDISON	12459 ARROW RTE	HWTS	TP	TP	Yes

Table 1: Standard Environmental Record Sources (EDR Report) Summary

12459 Arrow Route Rancho Cucamonga, CA 91739

Site Name	Address	Database Listings	Distance (Miles)	Direction	Discussed in Report Text
PHOENIX SERVICES LLC	12459 ARROW ROUTE	FINDS,ECHO	TP	TP	Yes
TERVITA LLC	12459-B ARROW ROUTE	ECHO	TP	TP	Yes
SCE PIPE SUBSTATION	12459 ARROW RTE	SAN BERN. CO. PERMIT,CERS	TP	TP	Yes
TERVITA LLC	12459B ARROW RTE	HWTS,HAZNET	TP	TP	Yes
SOUTHERN CALIFORNIA EDISON	12459 ARROW HWY	HWTS	TP	TP	Yes
12459 ARROW HIGHWAY	12459 ARROW HIGHWAY	HMIRS	TP	TP	Yes
AMERON STEEL & WIRE	12459 ARROW HWY	EMI	TP	TP	Yes
TERVITA LLC	12459-B ARROW ROUTE	ICIS	TP	TP	Yes
TERVITA LLC	12459B ARROW RTE	FINDS,ECHO	TP	TP	Yes
TAMCO INCORPORATED	12459 ARROW HIGHWAY	TSCA	TP	TP	Yes
TAMCO	12459 ARROW RTE STE B	AST,CERS HAZ WASTE,CERS TANKS,SAN BERN. CO. PERMIT,CERS	TP	TP	Yes
TAMCO	12459-B ARROW ROUTE 12459-B ARROW ROUTE	CIWQS	TP	TP	Yes
TAMCO	12459-B ARROW ROUTE	EMI,NPDES	TP	TP	Yes
TAMCO	12459 ARROW HWY	PRP	TP	TP	Yes
I.W.P.A.D., INC.	12459 ARROW HWY	EMI	TP	TP	Yes
TAMCO	12459 ARROW HIGHWAY	RGA LUST	TP	TP	Yes
TERVITA LLC	12459-B ARROW ROUTE	EMI,CERS	TP	TP	Yes
	12459 ARROW ROUTE	CHMIRS	TP	TP	Yes
TAMCO	12459 ARROW HWY	RGA LUST	TP	TP	Yes
TAMCO	12459 ARROW HWY	EMI	TP	TP	Yes
TAMCO	12459 ARROW HWY	EMI	TP	TP	Yes
	12459 ARROW HWY	CHMIRS	TP	TP	Yes
TI WIRE	12459 ARROW ROUTE	FINDS,ECHO	TP	TP	No
TAMCO - RANCHO CUCAMONGA	12459 ARROW HIGHWAY SUITE "B"	TSCA	TP	TP	Yes
TAMCO STEEL	12459 ARROW HIGHWAY PO BOX 325	PRP	TP	TP	Yes
UNITED SLAG PROCESSING CO	12459 ARROW HWY	EMI	TP	TP	Yes
1X TAMCO STEEL	12459 ARROW HIGHWAY	HWTS,HAZNET	TP	TP	Yes
SCE-PIPE SUBSTATION	12459 ARROW	AST	TP	TP	Yes
TERVITA (US OPERATIONS) LLC	12459-B ARROW ROUTE	EMI	TP	TP	Yes
AMERON STEEL AND WIRE	12459 ARROW HWY	FINDS	TP	TP	Yes
T.I. WIRE	12459 ARROW ROUTE	RCRA-LQG	TP	TP	No
TAMCO	12459 ARROW RT STE B	TRIS	TP	TP	Yes
	12459 B ARROW ROUTE	CHMIRS	TP	TP	Yes
TAMCO	12459 ARRW HIGHWAY	RGA LUST	TP	TP	Yes
	12459 ARROW ROUTE	CHMIRS	TP	TP	Yes
CMC REBAR ETIWANDA	12451 ARROW ROUTE	FINDS,ECHO	0	0	Yes
CMC STEEL FABRICATORS-DBA CMC REBAR	12451 ARROW ROUTE	RCRA NONGEN / NLR	0	0	Yes
CMC REBAR ETIWANDA	12451 ARROW RTE	UST	0	0	Yes
CMC REBAR ETIWANDA	12451 ARROW RTE	ENVIROSTOR,VCP,CERS HAZ WASTE,NPDES,SAN BERN. CO. PERMIT,CIWQS,CERS	0	0	Yes
FONTANA STEEL	12451 ARROW RTE	WDS	0	0	Yes
FONTANA STEEL	12451 ARROW ROUTE	FINDS	0	0	Yes
CMC STEEL FABRICATORS-DBA CMC REBAR	12451 ARROW ROUTE	FINDS,ECHO	0	0	Yes
FONTANA STEEL	12451 ARROW RTE	HWTS,HAZNET	0	0	Yes
CMC REBAR ETIWANDA	12451 ARROW RTE	TRIS,FINDS,ECHO	0	0	Yes
CMC STEEL FABRICATORS-DBA CMC REBAR	12451 ARROW ROUTE	HWTS,HAZNET	0	0	Yes
FONTANA STEEL INC	12451 ARROW HWY	UST	TP	TP	Yes
AMERON STEEL AND WIRE	12459 ETIWANDA	HIST CORTESE	TP	TP	Yes
STEELCASE RANCHO	12400 ARROW RTE	SAN BERN. CO. PERMIT,CERS	0.02	North	No
PARALLEL PRODUCTS	12281 ARROW RR	SWEEPS UST,CA FID UST	0.037	West	No
PARALLEL PRODUCTS OF CALIF	12281 ARROW RTE	AST	0.037	West	No
USL PARALLEL PRODUCTS OF CALIFORNIA	12281 ARROW ROUTE	FUELS PROGRAM	0.037	West	No

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12459 Arrow Route Rancho Cucamonga, CA 91739

Site Name	Address	Database Listings	Distance (Miles)	Direction	Discussed in Report Text
PARALLEL PRODUCTS	12281 ARROW ROUTE	RCRA-LQG	0.037	West	No
PARALLEL PRODUCTS	12281 ARROW ROUTE	CPS-SLIC,HIST UST,ICIS,US AIRS,EMI	0.037	West	Yes
PARALLEL PRODUCTS OF CALIF	12281 ARROW RTE	CERS HAZ WASTE,ENF,NPDES,SAN BERN. CO. PERMIT,CIWQS,CERS	0.037	West	No
DBA BROOKSIDE VINEYARD COMPANY	12281 ARROW RTE	HIST UST	0.037	West	No
TAMCO	12549 ARROW HIGHWAY	ENVIROSTOR	TP	TP	Yes
BIF THREE IND INC	12550 ARROW RTE HWY	RCRA-SQG,ICIS,US AIRS,FINDS,ECHO	0.052	ENE	No
BIG THREE INDUSTRIES	12550 ARROW RR	SWEEPS UST	0.052	ENE	No
AIR LIQUIDE INDUSTRIAL U.S. LP	12550 ARROW ROUTE	HWTS,HIST UST,HAZNET	0.08	ENE	No
AIRGAS USA, LLC	12550 ARROW RTE	RCRA NONGEN / NLR	0.08	ENE	No
AIR LIQUIDE AMERICA CORP	12550 ARROW RTE	HIST UST,WDS	0.08	ENE	No
AIRGAS USA, LLC	12550 ARROW RTE	CERS HAZ WASTE,SAN BERN. CO. PERMIT,CERS	0.08	ENE	No
AIR LIQUIDE INDUSTRIAL U.S. LP	12550 ARROW RTE	RCRA NONGEN / NLR	0.08	ENE	No
AIR LIQUIDE	12550 ARROW RT	HIST CORTESE	0.08	ENE	No
SCE REDUCTION SUBSTATION	12550 ARROW RTE	SAN BERN. CO. PERMIT,CERS	0.08	ENE	No
AIR LIQUIDE AMER CORP SLS	12550 ARROW RTE	LUST,AST,NPDES,SAN BERN. CO. PERMIT,CIWQS,CERS	0.08	ENE	Yes
AIR LIQUIDE	12550 ARROW RTE	LUST,CORTESE	0.08	ENE	Yes
CUSTOM GOODS, LLC RANCHO	12200 ARROW RTE	SAN BERN. CO. PERMIT,CERS	0.093	West	No
AMERICAN BUILDING SUPPLY, INC	12200 ARROW RTE	SAN BERN. CO. PERMIT	0.093	West	No
COPART (97)	12167 ARROW RTE	RCRA NONGEN / NLR	0.105	SW	No
TRAC DIV TANNER CO	12167 ARROW HWY	CERS HAZ WASTE,SWEEPS UST,HIST UST,LDS,SAN BERN. CO. PERMIT,CIWQS,CERS	0.105	SW	No
SOIL TREATMENT, RANCHO CUCAMON	12167 ARROW ROUTE	WMUDS/SWAT	0.105	SW	No
AIR LIQUIDE HEALTHCARE AMERICA CORP ETIWANDA	12640 ARROW RTE	RCRA-SQG,FINDS,ECHO	0.158	East	No
AMERON CONC & STEEL PIPE GRP	12455 ARROW RTE	WMUDS/SWAT,HIST UST,DEED,CHMIRS,LDS,ENF,SAN BERN. CO. PERMIT,WDS,CIWQS,CERS	0.169	East	Yes
AMERON PIPE DIV, ARROW PLT	12455 ARROW RT	AST	0.169	East	No
AMERON SO CA DIV	12455 ARROW RTE	RCRA-SQG,HIST UST	0.169	East	No
AMERON PIPE ARROW PLANT	12455 ARROW RR	SWEEPS UST	0.169	East	No
BERNELL HYDRAULICS INC	8810 ETIWANDA AVE	AST,CERS HAZ WASTE,CERS TANKS,CHMIRS,NPDES,SAN BERN. CO. PERMIT,WDS,CIWQS,CERS	0.212	ESE	No
BERNELL HYDRAULICS INC	8810 ETIWANDA AVENUE	RCRA-SQG,FINDS,ECHO	0.212	ESE	No
BERNELL HYDRAULICS INC	8810 ETIWANDA AVE	RCRA NONGEN / NLR	0.212	ESE	No
BERNELL HYDRAULICS, INC.	8810 ETIWANDA AVENUE	RCRA NONGEN / NLR	0.212	ESE	No
TANNER COMPANY TPAC DIVISION	12167 ARROW HWY	HIST UST	0.218	West	No
SA RECYCLING	8822 ETIWANDA AVE	HWTS,AST,HAZNET,CIWQS	0.246	ESE	No
SA RECYCLING	8822 ETIWANDA AVE	RCRA NONGEN / NLR	0.246	ESE	No
DP ETIWANDA	8822 ETIWANDA AVE	RCRA-LQG	0.246	ESE	No
PACIFIC COAST RECYCLING, LLC	8822 ETIWANDA AVE	HWTS,ENVIROSTOR,VCP,DEED,CHMIRS,EMI,HAZNET,NPDES,SAN BERN. CO. PERMIT,CIWQS,CERS	0.246	ESE	Yes
SIMSMETAL AMERICA	8822 ETIWANDA AVE	HWTS,RCRA-SQG,SWEEPS UST,HIST UST,FINDS,ECHO,EMI,HAZNET	0.246	ESE	No

Table 1: Standard Environmental Record Sources (EDR Report) Summary

12459 Arrow Route Rancho Cucamonga, CA 91739

Site Name	Address	Database Listings	Distance (Miles)	Direction	Discussed in Report Text
NATIONAL DISTRIBUTION CENTERS	8688 ETIWANDA AVE	RCRA NONGEN / NLR	0.248	ESE	No
GEORGIA PACIFIC	8688 ETIWANDA AVE	RCRA NONGEN / NLR	0.248	ESE	No
NATIONAL DISTRIBUTION CENTERS LLC	8688 ETIWAND AVE	CERS HAZ WASTE,NPDES,SAN BERN. CO. PERMIT,CERS	0.248	ESE	No
GENERATING STATION,ETIWANDA	8996 ETIWANDA AVENUE	WMUDS/SWAT,CHMIRS	0.279	SE	No
ETIWANDA FACILITY	8998 ETIWANDA AVE	ENVIROSTOR,SAN BERN. CO. PERMIT	0.28	SE	Yes
EPTC-ETIWANDA	8998 ETIWANDA AVE	HWP	0.28	SE	No
FOSECO INC	7TH ST OFF ROCHESTER AVE	SEMS-ARCHIVE,RCRA-SQG,ENVIROSTOR,HIST UST	0.325	SSW	No
ALL STATE RECYCLING	8949 ETIWANDA AVENUE	CPS-SLIC,CERS	0.344	SE	No
PACIFIC RECYCLING ENTERPRISES	13012 WITTRAM AVE.	SEMS-ARCHIVE	0.405	ESE	No
INLAND EMPIRE REGIONAL COMPOSTING FACILITY		LOS ANGELES CO LF METHANE	0.458	SSE	No
INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY	12645 6TH ST	HWTS,SWF/LF,HAZNET	0.466	SSE	No
INLAND EMPIRE REGIONAL COMPOSTING FAC.	12645 SIXTH STREET	SWF/LF,CERS	0.466	SSE	No
STERLING CAN	8939 ETIWANDA AVENUE	CPS-SLIC,CERS	0.474	ESE	No
STERLING CAN	8939 ETIWANDA AVENUE	CPS-SLIC	0.474	ESE	No
IEUA REGIONAL PLANT NO. 4	12811 SIXTH STREET	PFAS	0.488	SSE	No
VISTA METALS CORPORATION	13425 WHITTRAM AVE	ENVIROSTOR,UST,AST,CERS HAZ WASTE,SWEEPS UST,HIST UST,CA FID UST,CERS TANKS,CHMIRS,TRIS,ICIS,FINDS,EMI,NPDES,SAN BERN. CO. PERMIT,WDS,CIWQS,CERS	0.902	ESE	No

Notes

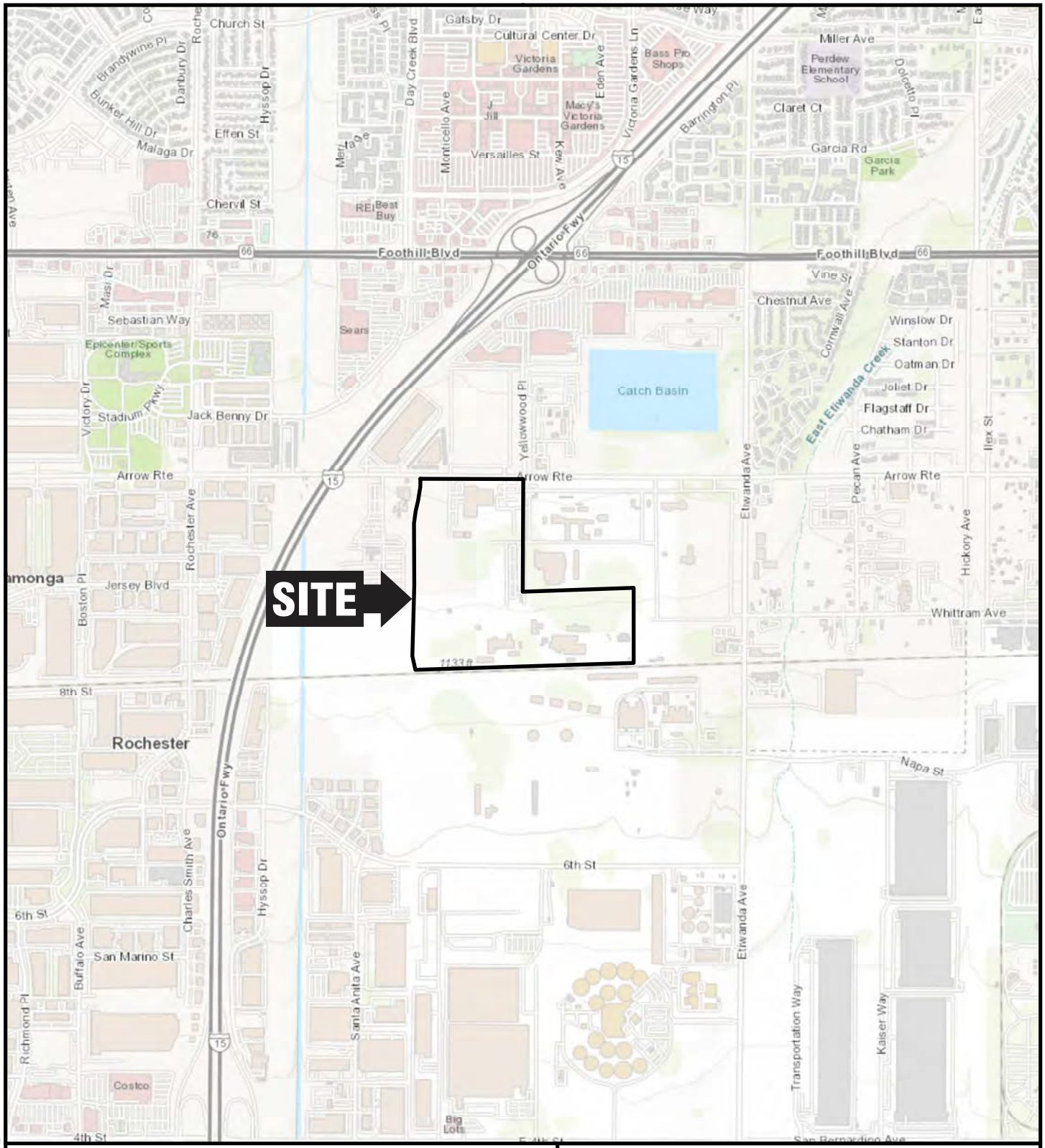
Blue: Facility does not have associated database listings indicative of a release or contamination

Green: Facility is hydraulically downgradient or crossgradient and/or is a closed release case

Orange: Facility has an associated release case impacting soil only and/or VOCs are not a potential contaminant of concern

FIGURES

1. Site Location Map
2. Site Plan



LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

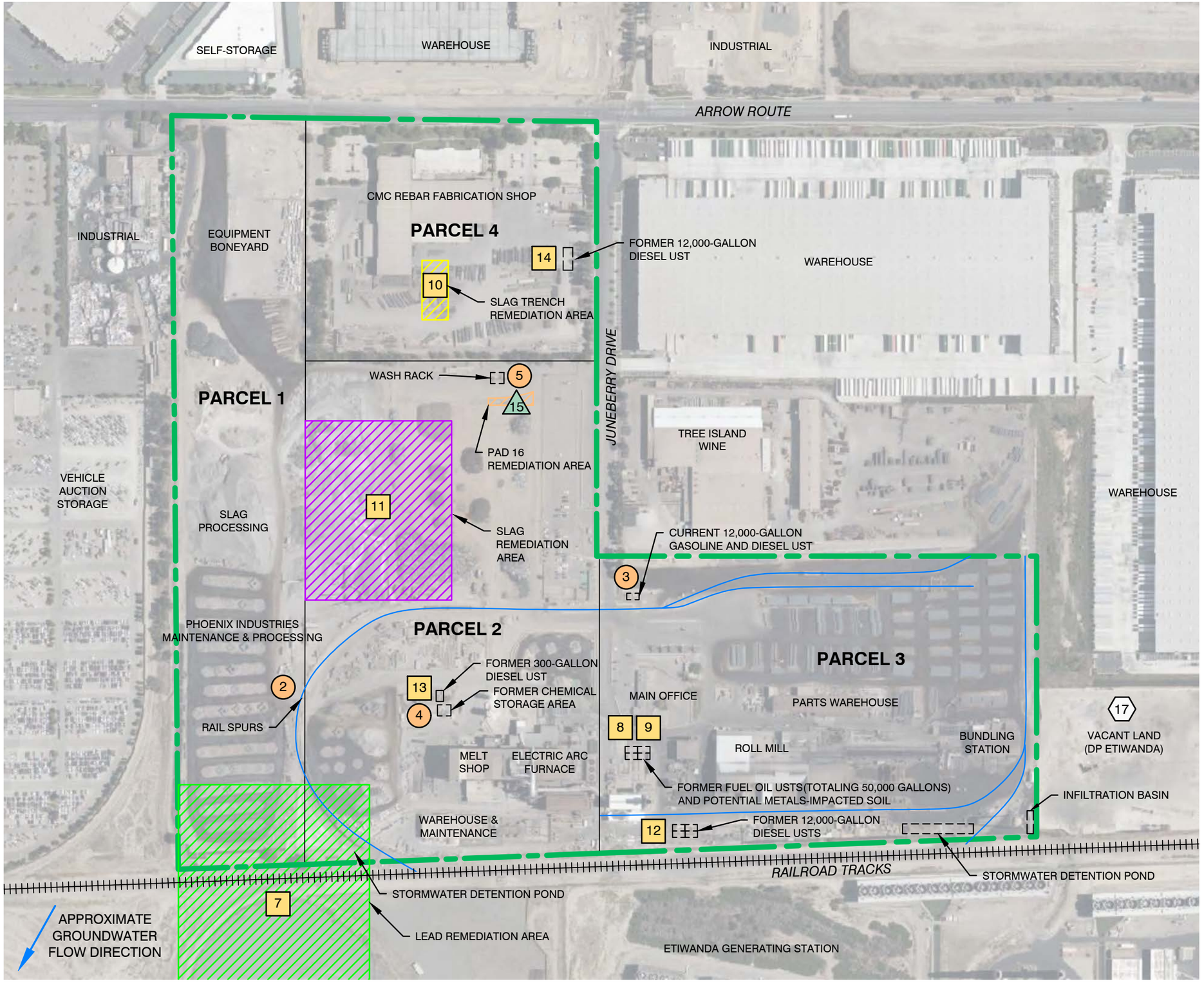
BTC III ACQUISITIONS, LLC

ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: M.J.N.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1

S:\GIS\PROJECTS\3200\0007L\100\3200.0007L100.0.MXD



LEGEND

- PARCEL BOUNDARIES
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- 1 — RECOGNIZED ENVIRONMENTAL CONDITION (REC)
- 7 — HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITION (hREC)
- 15 — CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITION (cREC)
- 16 — OTHER ENVIRONMENTAL FEATURE (OEF)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES

REC 1: SITE-WIDE TPH AND METALS TO SOIL AND VOC IMPACTS TO SOIL VAPOR

REC 6: POTENTIAL INACTIVE ON-SITE USTs

OEF 16: HISTORICAL SITE-WIDE AGRICULTURAL USE

OEF 18: SITE-WIDE BURIED SLAG MATERIAL

N

300' 0 300'

Title:

SITE PLAN

12459-B ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ACQUISITIONS LLC

ROUX

Compiled by: C.J.	Date: 03 DEC 2021	FIGURE
Prepared by: C.J.	Scale: AS SHOWN	2
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 001_3200.0007L_SITE PLAN.DWG		

\\SRVLACAFP1\LA SHARED\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\001_3200.0007L_SITE PLAN.DWG

Current Conditions Report

12451 Arrow Route
Rancho Cucamonga, California

October 25, 2023

Prepared for:

BTC III Arrow Route CC LP

Prepared by:

Roux Associates, Inc.
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California, 90804

3200.0007L122/R

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& Management
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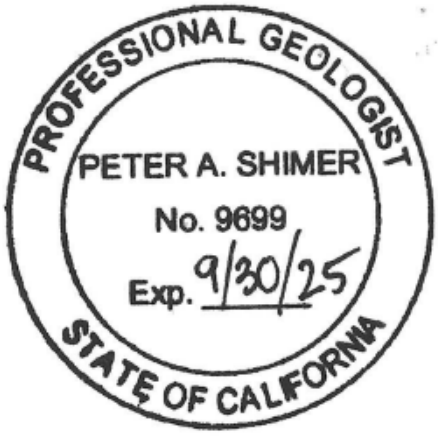
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Current Conditions Report
Former Commercial Metals Company (CMC) Facility
12451 Arrow Route
Rancho Cucamonga, California

October 24, 2023

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Executive Summary

Roux Associates, Inc. (Roux), on behalf of BTC III Arrow Route CC LP (BTC III), prepared this *Current Conditions Report* (CCR) for the approximately 95-acre Former Commercial Metals Company (CMC) facility located at 12451 Arrow Route, Rancho Cucamonga, California (Site; Figure 1). The Site operated as a steel mill from the 1950s until 2019 when milling operations were phased out (Figure 2A). The Site was acquired by BTC III in December 2021 for industrial redevelopment (Figure 3). A photographic log of Roux's 2021 Site reconnaissance is included as Appendix A. In 2022 and 2023, all aboveground features of the Site were demolished along with most hardscape surfaces and footings.

The Site is located in an industrial area of the City of Rancho Cucamonga (Figure 2B) and consists of four (4) individual parcels, referred to as Parcels 1 through 4. Based on historical environmental reports, the Site was agricultural (row crops) until 1956, when it was developed as a steel mill and rebar fabrication facility in various phases and by various owners between the mid-1950s and the 1990s. The following is a brief history of the Site use and development.

- In 1956, the American Pipe and Construction Company started operation of a roll mill on the southern portion of Parcel 3. Production at the Site included coiled rebar made from ingots and straight rebar made from billets. The plant was later named Ameron Steel & Wire.
- Between 1974 and 1976, Tokyo Steel, Ameron (formerly American Pipe and Construction), and Mitsui Corporation formed by a consortium called TAMCO. TAMCO built a Melt Shop at the southern portion of Parcel 2. TAMCO made and sold billets to Ameron Steel & Wire (in Parcel 3) for production of straight rebar.
- In 1982 or 1983, the Melt Shop (Parcel 2) and Roll Mill (Parcel 3) became a part of TAMCO.
- In 1988 or 1989, Fontana Steel (a separate entity) acquired Parcel 4, which was vacant, and improved it with a steel rebar fabrication shop, an office building, and a maintenance shop.
- In 1995, Fontana Steel constructed a washrack area south of the maintenance shop in Parcel 4, which included a concrete wash pad, a three-stage clarifier, and an aboveground oil removal system.
- Between approximately 1996 and 2000, Parcel 1 was purchased by TAMCO from Southern California Edison (SCE). Parcel 1 was historically vacant, unimproved land.
- In approximately 2000, CMC Steel Fabricators, Inc. (CMC) purchased certain assets from Fontana Steel, which included Parcel 4.
- In approximately 2010, TAMCO became owner of Parcel 3, which was owned by Ameron.
- In 2018, CMC acquired the stock of TAMCO and the current 95-acre Site (Parcels 1 through 4) was formed.

As summarized above, on-Site industrial activities have been generally uniform and consistent across the Site. Parcel 1 has never been developed with any permanent structures and was historically used as an easement by SCE. Historical records show that during the time of SCE's ownership, the southern portion of Parcel 1 was raised in elevation using slag as fill. After acquisition by TAMCO, the central and southern portions of Parcel 1 were used for surface storage and processing of slag; the northern portion (adjacent to the west of Parcel 4) was used as an equipment boneyard. Parcel 2 was improved by TAMCO in the mid-1970s with a Melt Shop and associated infrastructure. Until decommissioned in 2019 and subsequent demolition, structures and uses of Parcel 2 remained the same as when originally developed. Similarly, in the 1950s Parcel 3 was developed as a Roll Mill and in 1989 Parcel 4 was developed as a rebar fabrication facility; both parcels were used for the same purposes until decommissioned in 2019.

In general, the facility produced steel rebar from scrap steel. Production of billets and rebar began with receipt of shredded scrap metal. The metal was sorted and stored in piles on the northern portion of Parcel 2 (and later on Parcel 1) and was eventually transported to the Melt Shop (Photograph A-3) where alloys were added to obtain the desired grades of steel. The molten steel was poured and cast into billets for use as raw material for the Roll Mill (Photograph A-2), or to sell to outside parties. The billets were stored outside in the southwestern portion of Parcel 2 (and later on Parcel 1) until they were transported to the reheat oven at the Roll Mill in Parcel 3. The hot billets were rolled into steel rebar of different diameters. The rebars were cut, bundled, and then stored outside on the northeastern portion of Parcel 3, or loaded into trucks or railcars for shipment to customers. At Parcel 4, reinforcing steel was purchased from outside vendors (including TAMCO) and received in lengths of stock up to 72 feet. The steel was sheared using electric or hydraulic powered shearlines, then bent to specification using electric bending machines. Coiled steel was also brought in for cutting and forming. Once cut to specification, welding was sometimes needed to complete the product. Fabrication activities at Parcel 4 included sorting, bending, shearing, welding, storage, and transport. No melting of steel occurred, and no wet chemical processing was conducted (i.e., degreasing, painting, coating, or other chemical treatment) on Parcel 4. The finished product was loaded onto flatbed trucks and transported off-Site for use.

Former underground storage tanks (USTs) containing fuel oil were originally used to fire the Roll Mill furnace. The USTs were removed in the 1990s and fuel oil was replaced by natural gas.

The primary raw materials used at the Site included scrap metal, lime, carbon, silicomanganese, and refractory additives. In addition, TAMCO used maintenance-related materials, such as fuels, oils, lubricants, greases, solvents, welding gases, cooling tower treatment chemicals, and sanitizers and detergents. The facility operated six cooling water loops that provided non-contact cooling water (four systems for the Melt Shop, continuous molds, and reheat furnace) and contact cooling water (two systems for the continuous caster sprays and roll mill sprays) to the facility. Byproducts produced during the steel milling process included slag and baghouse dust.

Slag produced during the melting of scrap metal was physically broken off the molten ore buckets with pneumatic hammers and transported to stockpiles in the central portion of the Site. In the 1970s, slag material was reportedly stored on the northern portion of Parcel 2 and southern portion of Parcel 4, and it is known that some slag was historically buried in Parcel 4 and used by SCE to raise the elevation of the southern portion of Parcel 1. Slag was also used over the years as base material in areas that were unpaved and as fill where needed. Slag was stockpiled on-Site and sold by independent contractors to outside industries, including for use as road base.

Baghouse dust was generated at the Melt Shop and for disposal purposes has been regulated under the Resource Conservation and Recovery Act (RCRA) since the late 1970s/early 1980s because of the heavy metal content in its composition. Baghouse dust was the primary hazardous waste generated at the Site and was managed by TAMCO and its successors in accordance with South Coast Air Quality Management District (SCAQMD) and RCRA regulations. Prior to RCRA regulations, baghouse dust was stored on-Site and some materials mixed with slag were buried (later removed) in Parcel 4. After regulation, baghouse dust was removed from the Site by rail and exported for recycling.

Beginning in the late 1980s, Parcels 2, 3, and 4 were the subject of environmental investigations, remedial actions, and UST removals that involved oversight from various environmental regulatory agencies, including the California Department of Health Services (DHS), the Santa Ana Regional Water Quality Control

Board (SA-RWQCB), San Bernardino County Environmental Health Services Department (SBCEHSD), United States Environmental Protection Agency (USEPA), Department of Toxic Substances Control (DTSC), San Bernardino County Fire Department (SBCFD), San Bernardino County Fire Protection District (SBCFPD), and the Rancho Cucamonga Fire Protection District (RCFPD).

Sections 2.6 and 3 of this CCR detail historical environmental investigation and remediation activities conducted at the Site, including regulatory oversight. As of the date of this CCR, no open regulatory cases for historical releases or investigation activities were open with any oversight agency.

Subsurface investigations were conducted by CMC, the former Site owner, in 2020 as part of Site disposition. Roux, on behalf of BTC III, continued those investigations prior to acquisition in 2021 and post-acquisition in 2022 and 2023, in preparation for Site redevelopment. Roux conducted Site-wide, as well as targeted, investigations, including shallow soil sampling for metals and total petroleum hydrocarbons (TPH) as diesel range organics (DRO) at Parcels 2 and 3; targeted polychlorinated biphenyl (PCB) investigations on Parcels 2 and 3; soil vapor sampling and soil vapor extraction (SVE) pilot testing on Parcel 3; and potholing and trenching to investigate slag and slag materials (combined soils and slag) on Parcels 1 and 2 (with some limited work in Parcels 3 and 4). Based on the comprehensive work completed to date, Roux reached the following conclusions:

- DRO and metals concentrations exceed commercial/industrial screening levels (SLs) in shallow soils (less than 5 feet bgs) in limited areas of Parcels 2 and 3. These areas require additional investigation and potentially remediation.
- PCE, benzene, TCE, and chloroform concentrations in soil vapor in the central portion of Parcel 3 exceed screening levels and will require remediation. An initial short-term pilot test suggests that SVE is a viable remedial alternative. However, additional delineation has been requested by DTSC and Roux recommends an extended SVE pilot test.
- Two small areas at the southern portion of the Site (one each in Parcels 2 and 3) have limited PCB impacts, which require additional sampling and remediation.
- Slag, where present, will need to be evaluated for geotechnical purposes, but is generally inert and does not present a human health risk to future commercial/industrial construction workers or occupants of the Site. In support of ruling out whether slag has the potential to leach metals that could impact groundwater, DTSC has suggested that a Site-specific leaching model (i.e., SESOIL or VLEACH) be used in a future evaluation. Roux will incorporate this suggestion into future work at the Site.
- Parcel 1 was never developed with permanent structures, and is generally unaffected by former industrial activities. The southern portion of Parcel 1 was reportedly raised using slag as fill when SCE was owner and a small portion of the southwestern corner was remediated for surface lead impacts in the early 1990s. Slag has been investigated by Roux and prior investigators, and lead impacts were remediated to the satisfaction of SA-RWQCB. No additional investigation or remediation is considered necessary for Parcel 1.
- Parcel 4 was historically impacted by burial of slag and baghouse dust prior to its development. Impacts from baghouse dust were remediated in the late 1980s and in 2001 re-evaluated and further investigated under the oversight of DTSC. DTSC provided concurrence that no additional investigation/remediation was warranted. Additionally, features of interest after development were

investigated by Roux and prior investigators. To date no impacts have been identified, and Parcel 4 is not expected to require additional investigation or remediation.

Section 6 of this CCR provides the current conceptual site model (CSM) and identifies data gaps. Section 7 provides a Workplan to close data gaps associated with DRO and metals in soil across the Site as well as two areas of chloroform impacted soil vapor in Parcel 2. In addition, under separate cover, Roux has submit ed the following documents, which propose characterization and delineation activities at specific areas of the Site:

- Soil Vapor Delineation and SVE Extended Pilot Test Workplan, dated September 1, 2023;
- Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls (shallow soil sampling near RR-3 in Parcel 3), dated August 25, 2023.

The recommended scopes of work included in the above documents along with the investigation recommended in Section 7 of this CCR will be implemented with DTSC approval to complete the remedial investigation for the Site so that remedial strategies can be developed to facilitate commercial/industrial redevelopment.

1. Introduction

Roux Associates, Inc. (Roux), on behalf of BTC III Arrow Route CC LP (BTC III), prepared this *Current Conditions Report* (CCR) for the approximately 95-acre Former Commercial Metals Company (CMC) facility located at 12451 Arrow Route, Rancho Cucamonga, California (Site; Figures 1, 2A, and 2B). Specifically, BTC III is in the process of redeveloping the Site for commercial purposes with five warehouse buildings ranging from approximately 70,000 to 1,000,000 square feet (Figure 3). A Standard Voluntary Agreement (SVA), docket number I-FY20/21-129, between BTC III Arrow Route CC LP and the California Department of Toxic Substances Control (DTSC) was signed by BTC III Arrow Route CC LP and sent to DTSC via email on October 4, 2022. The DTSC executed the SVA, docket I-FY20/21-129, on October 12, 2022. This CCR was prepared at the request of DTSC as part of the Site assessment process. Where appropriate, this CCR incorporates comments received from DTSC on June 5, 2023, related to Roux's Subsurface Investigation Report, dated April 6, 2023. The CCR includes a conceptual site model (CSM) and includes a Workplan for additional sampling to close the remaining data gaps.

1.1 Objectives

This CCR provides a detailed summary of the ownership and operational history of the Site, a summary of all known and applicable environmental investigations and remediation completed at the Site, and a CSM, which identifies current Site conditions and remaining data gaps. The CCR also includes a Supplemental Site Investigation Workplan to address remaining data gaps, complete the Remedial Investigation (RI) for the Site, and allow for development and implementation of remedial strategies.

The objectives of this CCR are to:

- Present the complete history of the Site, including former uses and historical environmental activities;
- Evaluate the nature and extent of chemicals of potential concern (COPCs) in Site soils and soil vapor;
- Identify all remaining data gaps to complete the RI; and
- Propose additional investigation activities to address remaining data gaps.

This CCR relies upon numerous reports prepared by multiple consultants for multiple Site owners beginning in the late 1980s. Where appropriate, the documents are referenced and summarized.

1.2 Report Organization

The remaining sections of this CCR are organized as follows:

- Section 2.0 presents a complete history of the former facility;
- Section 3.0 presents a summary of all pertinent and available environmental documents for the Site;
- Section 4.0 presents the Site's environmental setting;
- Section 5.0 describes the most recent sampling results for the Site and DTSC's recent review comments;
- Section 6.0 presents the CSM and includes a data gap evaluation;

- Section 7.0 presents a Workplan for investigations to address data gaps identified in the CSM and complete the RI;
- Section 8.0 presents an implementation schedule for upcoming activities at the Site; and
- Section 9.0 provides a list of references used in this CCR.

Supporting figures are presented in this CCR; additional relevant information is presented in the following appendices:

- Appendix A – Photographic Log
- Appendix B – Historical Documents
- Appendix C – Health and Safety Plan (HASP)
- Appendix D – Standard Operating Procedures (SOPs)

2. Site History

2.1 Site Description

The Site consists of four parcels totaling approximately 95-acres (Figures 2A and 2B). The individual parcels are described as follows:

- "Parcel 1" – 19.03-acre parcel in the western portion of the property (Assessor's Parcel Number [APN] 0229-121-34-0000);
- "Parcel 2" – 30.04-acre parcel in the southern and western portions of the property (APN 0229-121-33-0000);
- "Parcel 3" – 30.72-acre parcel in the southern and eastern portions of the property (APN 0229-131-19-0000); and
- "Parcel 4" – 14.34-acre parcel in the northern portion of the property (APN 0229-121-35-0000).

As presented in Figure 2B, the Site is bounded to the south by Atchison Topeka Santa Fe Railroad, followed by the former Etiwanda Generating Station (8998 Etiwanda Avenue); to the west by Parallel Products, a chemical manufacturer (12281 Arrow Route), and Copart, a vehicle auction facility (12167 Arrow Route); to the north by Arrow Route, followed by Planet Storage, a self-storage facility (12330 Arrow Route), Steelcase, a warehouse (12400 Arrow Route), and Air Liquide America, an industrial gas supplier (12550 Arrow Route); and to the east by Juneberry Drive, followed by Goodman Logistics Center, a warehouse complex (12521 Arrow Route and 8600 Etiwanda Avenue), Tree Island Wire, a rebar manufacturing facility (12459-A Arrow Route), and vacant land (8822 Etiwanda Avenue). The closest residential development is approximately 2,000 feet to the east-northeast beyond the intersection of Arrow Route and Etiwanda Avenue.

The current main address for the Site is 12451 Arrow Route, Rancho Cucamonga, San Bernardino County, California. However, over the years, the Site has been owned, developed, and operated by multiple entities and has used a variety of street addresses, including, but not limited to: 12301 Arrow Highway (Parcel 1); 12459-B Arrow Route (Parcels 2 and 3); 12459 Arrow Route (Parcels 2, 3, and 4); and 12451 Arrow Route (Parcel 4).

2.2 Ownership History

Various parties have owned the various Parcels at different times. The below summary was compiled using historical documents for the Site. As previously stated, there are some discrepancies between specific entity names and specific dates, but the overall ownership history is considered complete.

- Parcel 1
    - Unknown date to late 1990s: Southern California Edison (SCE)
    - Late 1990s to 2018: TAMCO (a consortium that included Tokyo Steel, Ameron, and Mitsui Corporation)
    - 2018 to 2021: CMC Steel Fabricators, Inc. (CMC)
- Parcel 2

- Mid-1950s to mid-1970s: American Pipe and Construction Company (later became Ameron, Inc.)
- 1970s to 2018: TAMCO
- 2018 to 2021: CMC

- Parcel 3
  - Mid-1950s to 2010: American Pipe and Construction Company (later became Ameron, Inc.)
  - 2010 to 2018: TAMCO
  - 2018 to 2021: CMC
- Parcel 4
  - Mid-1950s to 1988: American Pipe and Construction Company (later became Ameron, Inc.)
  - 1988 to 2000: Fontana Steel, Inc.
  - 2000 to 2021: CMC

The approximately 95-acre Site (Parcels 1 through 4) was purchased by BTC III from CMC in December 2021.

2.3 Historical Development, Features, and Operations

The Site was developed in separate phases, beginning in 1956 with the construction in Parcel 3 of a melt shop ("the old melt shop") and Roll Mill (Appendix A, Photographs A-1 and A-2) for the production of steel billets and rebar by American Pipe and Construction Company (renamed Ameron in the 1970s). Between 1974 and 1976, TAMCO constructed a new Melt Shop (Photographs A-3 and A-4) on the southern portion of Parcel 2 and made improvements to the Roll Mill on Parcel 3 (the old melt shop was presumably decommissioned and demolished). At the time, TAMCO owned Parcel 2 and made and sold billets to Ameron in Parcel 3. By 1983, TAMCO operated at both Parcels 2 and 3 (Figures 4A through 4C; Parcel 3 was initially leased from Ameron).

In approximately 1988 or 1989, Fontana Steel acquired Parcel 4 and constructed a steel rebar fabrication shop, an office building, and a maintenance shop. Fontana Steel was not affiliated with TAMCO and operated separately. Between approximately 1996 and 2000, TAMCO acquired Parcel 1, which was unimproved vacant land historically used as an easement, from SCE. TAMCO used Parcel 1 for surface storage of materials including slag, a solid, inert byproduct of melting of scrap metal. In approximately 2000, CMC purchased certain assets from Fontana Steel, which included Parcel 4. In approximately 2010, TAMCO acquired Parcel 3 from Ameron. In 2018, CMC acquired the stock of TAMCO and became the owner of Parcels 1, 2, and 3; the approximately 95-acre Site (Parcels 1 through 4) was formed at that time. In December 2021, BTC III purchased the Site from CMC.

As previously stated, there have been multiple owners and operators of the four parcels that comprise the Site. However, on-Site industrial activities at each of those parcels were consistent over time. Although the history of Site development and industrial activities are well known and documented across numerous technical reports, some discrepancies exist on specific details, such as dates or names of entities; these discrepancies are not considered significant in the context of the historical on-Site activities.

Sections 2.3.1 through 2.3.3 provide a detailed summary of the activities conducted over time at each of the parcels; the historical documents used to summarize the history of activities at the Site are described in

greater detail in Section 3, and included as Appendix B. Where helpful to the historical narrative, figures were selected from the above documents to illustrate the features and activities that were present on the various parcels across different time periods. Refer to Figures 4A through 4E and Appendix A for a photographic log.

2.3.1 Parcel 1

Parcel 1 consists of an elongated property running north to south along the entire western boundary of the Site. Parcel 1 was historically vacant land and has never been developed with permanent structures. At the time of a 1996 Phase I ESA conducted for TAMCO (prior to acquisition), Parcel 1 was owned by SCE and a majority of the parcel was characterized as vacant land with natural vegetation. According to the Phase I ESA, historical records showed the parcel was vacant unimproved land between at least 1953 and 1992. Aside from small rubble piles reported along the western parcel boundary, the only other on-Site features noted in the Phase I ESA were a concrete vault with trash and a 30-inch concrete pipe with a drainage channel. The Phase I ESA noted that a large portion of the southern end of the parcel was higher in elevation than the surrounding properties to the south and west and appeared to have been filled with slag materials by SCE (Figure 4B).

After acquisition by TAMCO, Parcel 1 was exclusively used for surface storage. Specifically, the southern portion was used for storage of billets (Photograph A-5) until they were transported to the reheat oven at the beginning of the rolling mill process in Parcel 3. The central portion of Parcel 1 was used for stockpiling of slag by an independent contractor (Photograph A-6). The slag was physically transported from the Melt Shop to areas of Parcel 1 immediately west of metal scrap stockpiles, located in the northern portion of Parcel 2. The stockpiled slag was crushed and sorted into different gravel-size products. The slag was then sold to various industries including as road base material. Finally, the northern portion of Parcel 1 (adjacent to Parcel 4) was used as an equipment boneyard (Photograph A-7).

2.3.2 Parcels 2 and 3

Parcel 3 was the first area of the Site to be developed. In 1956 the old melt shop and a Roll Mill were constructed by Ameron for the production of steel billets from scrap steel and for the production of rebar, respectively. In the mid-1970s, TAMCO constructed a new Melt Shop (Photograph A-3) on the southern portion of Parcel 2 and made improvements to the Roll Mill (Photograph A-2) on Parcel 3 (Figure 4A). The principal on-Site structures included an office building (Photograph A-8), a baghouse (Photograph A-9), a Melt Shop, a Roll Mill, maintenance areas (Photograph A-10), cooling towers (Photograph A-11), rail spurs (Photograph A-12), and storage yards (Photographs A-5, A-7, and A-13).

On-Site production of billets and rebar began with receipt of shredded steel scrap, most commonly from automobiles, which was brought to the Site by truck or railroad car as raw material. The steel was sorted and stored in piles on the northern portion of Parcel 2. When ready for use, the scrap metal was loaded into large trucks for transport to the electric arc furnace (EAF), located in the Melt Shop to the south of the scrap metal storage area (Photograph A-4). The scrap metal was melted and alloys were added to obtain the desired grades of steel. The molten steel was poured and cast into billets for use as raw material for the Roll Mill, or to sell to outside parties. The billets were stored outside in the southwestern portion of Parcel 2 (and later on Parcel 1) until they were transported to the reheat oven (Photograph A-14) at the Roll Mill. Depending on the production schedule, some billets were transported directly from the casting process into the reheat oven of the Roll Mill. The hot billets were rolled into steel rebar of different diameters. The

rebars were cut, bundled, and then stored outside on the northeastern portion of Parcel 3, or loaded into trucks or railcars for final shipment to customers.

Byproducts produced during the steel milling process included slag and baghouse dust. Slag was stockpiled on-Site and sold to outside industries and used on-Site as road base and fill material. Historically, baghouse dust was collected and shipped off-Site by rail car for recycling.

The facility operated six cooling water loops that provided non-contact cooling water (four systems for the Melt Shop, continuous molds, and reheat furnace) and contact cooling water (two systems for the continuous caster sprays and roll mill sprays) to the facility. The facility also performed packaging, shipping and administrative operations, none of which involved the use of chemicals. Lastly, the following activities were conducted in support of the major on-Site operations:

- General building and machinery/equipment maintenance, including a maintenance area equipped with grinders, lathes, and welding equipment (Photographs A-10 and A-15).
- Operation of a single, multi-compartment UST (permit ed as two USTs) for gasoline and diesel fueling of on-Site equipment and vehicles (Photograph A-16).
- Dust suppression using water trucks for unpaved areas, with associated water withdrawal from an on-Site groundwater production well (southeast corner of Parcel 3; Photograph A-17) and application of soil binders.
- Backup power supply from four diesel-powered emergency generators (Photograph A-18).
- Non-emergency power supply from one diesel-powered generator.
- Transfer of materials using loaders, haul trucks, and forklifts.

Two power substations operated by SCE were formerly present at the Site (Photograph A-19); TAMCO did not own or operate this equipment.

2.3.3 Parcel 4

Parcel 4 was acquired by Fontana Steel in the late 1980s and developed in 1989 with a fabrication shop and an at ached office building. A maintenance shop was added to the west side of the fabrication shop in 1992. The northern half of Parcel 4 was primarily concrete including parking areas located on the east and west sides of the office building (Figure 4D). The southern portion of Parcel 4 was unpaved with a gravel base surface mixed with slag from the adjacent TAMCO operations. Prior to development, Parcel 4 was vacant land owned by Ameron and was used in the 1970s by TAMCO for storage of slag and baghouse dust generated at Parcels 2 and 3.

The primary operation at Parcel 4 was the fabrication of steel rebar for use in freeway and building construction. Fabrication included sorting, bending, shearing, welding, storage and transport. Fontana Steel received reinforcing steel from outside vendors (including TAMCO) in lengths of stock up to 72 feet. It was then sheared using electric or hydraulic powered shearlines, and bent to specification using electric bending machines. Coiled steel also was used for cutting and forming. Once cut to specification, welding was sometimes conducted. Finished product was loaded onto flatbed trucks and transported off-Site for use. Raw and finished product was stored on the southern and eastern areas of Parcel 4 on the gravel area. Loading and unloading of product also occurred in this area (Appendix A).

2.4 Raw Materials and Waste Generation

2.4.1 Parcels 2 and 3

The primary raw materials used in billet and rebar production in Parcels 2 and 3 included scrap metal, lime, carbon, silicomanganese, and refractory additives. In addition, maintenance-related materials (fuels, oils, lubricants, greases, solvents, welding gases, cooling tower treatment chemicals, and sanitizers and detergents) were also used at the Site. Specifically,

- Inert materials used during the manufacturing process (i.e. nitrogen, lime, dolomite, and cooling water) were stored in aboveground storage tanks (ASTs) at Parcels 2 and 3.
- Chlorine and corrosion inhibitors were used for cooling water used in the towers in Parcel 2.
- Propane ASTs for forklifts were located near the multiple maintenance shops at Parcels 2 and 3.
- New motor oil was stored in central portion of Parcel 2.

Four electrical transformers, owned by TAMCO, were located on the southern portion of Parcel 2. According to a Phase I ESA prepared by Arcadis, labels on the transformers indicated they did not contain PCB fluids. Arcadis reported that PCB containing transformers were historically located in a fabrication room in the southern portion of Parcel 3, which became a part of a warehouse in the 1980s (Figures 4A and 4E). The transformers were removed and a new concrete floor was added during remodeling of the building.

Numerous former USTs were used in support of manufacturing activities at Parcels 2 and 3. Additional documentation is included in Section 3. These included:

- Four (4) 50,000-gallon USTs which contained fuel oil used to fire the rolling mill reheat furnace were located at the western portion of Parcel 3 adjacent to the Roll Mill and south of the main offices; these were excavated and removed in 1993 (see Section 3.4).
- Four (4) 12,000-gallon USTs which contained diesel/fuel oil were located at the southwestern corner of Parcel 3; these were excavated and removed in 2006 (see Section 3.11).
- One (1) 300-gallon diesel UST located north of the Melt Shop in Parcel 2; this was excavated and removed in 2010 (see Section 3.13).
- One (1) 12,000-gallon (double compartment) UST storing diesel (10,000 gallon) and unleaded gasoline (2,000 gallon) was located near the security shack in the northern portion of Parcel 3; this was excavated and removed in 2022 (see Section 3.26).
- One (1) 10,000-gallon diesel UST located under the former Melt Shop in Parcel 2; this was excavated and removed in 2023 (see Section 3.27).
- One (1) 1,000-gallon gasoline UST located outside the southwest corner of the maintenance building in Parcel 3; it is unknown when this was excavated and removed.

According to multiple Phase I ESAs prepared by ENVIRON/Ramboll between 2010 and 2020, the primary chemicals used at Parcels 2 and 3 included lubricants, hydraulic and motor oils, grease, and diesel fuel. In addition, TAMCO used maintenance-related materials, such as paints, cooling tower treatment chemicals, spot degreasers, refrigerant chemicals, and detergents. The facility maintained several dedicated drum and materials storage areas with emergency spill clean-up kits distributed near the main chemicals storage

areas. Flammable cabinets with small quantity containers and spray cans with general maintenance products including Rust-oleum, WD-4, paints, etc. were reported. A 2010 Phase I ESA reported that one degreaser containing polydimethylsiloxane (a non-chlorinated solvent) was observed in the mobile maintenance building. Finally, cylinders of acetylene used to cut metal and welding gas cylinders were generally observed in the maintenance building, and near the EAF building.

Baghouse dust was generated at the Melt Shop during melting of scrap metal and was contained in the baghouse building before being shipped off-Site by rail. Baghouse dust has been regulated under the Resource Conservation and Recovery Act (RCRA) since the late 1970s/early 1980s because of elevated heavy metal contents. Baghouse dust was the primary hazardous waste generated at the Site and was managed by TAMCO and its successors in accordance with South Coast Air Quality Management District (SCAQMD) and RCRA regulations. Baghouse dust was removed from the Site by rail and exported for recycling.

The Roll Mill used water to cool the equipment. The water was captured in a trench and transported to the cooling tower. Parts from the rolling mill were steam cleaned and pressure washed in an outside area located near the southwestern corner of the rolling mill building.

Several aboveground storage tanks (ASTs) were located at Parcels 2 and 3. Most of the ASTs stored inert materials used during the manufacturing process (i.e. nitrogen, lime, dolomite, and cooling water). The maintenance shop to the north of the Rolling Mill had an aboveground AST for storage of waste oil.

2.4.2 Parcel 4

In Parcel 4, Fontana Steel fabricated steel rebar for use in freeway and building construction. Fabrication steps included sorting, bending, shearing, welding, storage, and transport. No wet chemical processing (i.e., degreasing, painting, coating, or other chemical treating) was conducted. Fontana Steel had a fleet of trucks, forklifts, and cranes that were maintained in the on-site maintenance shop (Photograph A-20).

A wash rack was located immediately south of the former maintenance shop. A drainage line connected the wash rack to a subgrade clarifier, which was used to segregate oily residues from water and sludge in connection with an oil recovery system (Photograph A-21). One (1) 12,000-gallon diesel UST (excavated and removed in 2014; see Section 3.14) and one 15,000 gallon propane AST were located at the southeastern portion of Parcel 4. Transformers containing PCBs were not located at Parcel 4.

Wastes generated at Parcel 4 included waste oil, oil filters, spill absorbent, paint cans, ethylene glycol, and solvents. With the exception of various lubricants, all of the products used in the maintenance shop were reported to be spray cans or other containers smaller than 1 gallon. Waste oil was stored in an above-ground 200 gallon AST (Photograph A-22); other wastes were stored in 55-gallon drums (Photographs A-22 and A-23). Waste oil was stored near the wash rack south of the maintenance shop in an oil recovery system.

2.5 Slag Management

The main byproduct generated during former Site operations in Parcels 2 and 3 by TAMCO and Ameron was slag. The slag, which consisted primarily of oxides of calcium, magnesium, silicon, and iron, with lesser amounts of other metals depending on the recycled materials used, was generated during melting of scrap metal for manufacturing of billets, initially in Parcel 3 and later in Parcel 2. Slag was stockpiled on-Site and allowed to cool before it was processed (sorted and crushed) by a third party to sizes suitable for use as

road base material and other industry products. Slag was also used as fill and base material in areas that were unpaved.

Over the years numerous third parties (including: IMS Tube City, Olympic Mill Services, Tervita LLC) recovered and processed slag produced during the melting of scrap metal. The slag was physically broken off the molten ore buckets with pneumatic hammers and transported to stockpiles in the central portions of Parcels 1 and 2, west of the metal scrap stockpiles (Photograph A-6). Slag is inert and has the appearance of dark gray gravel or small diameter rock. In the 1970s, slag material appears to have been stored on the northern portion of Parcel 2 and southern portion of Parcel 4, and it is known that some slag and baghouse dust were historically buried by TAMCO in portions of Parcel 4, and slag was used to raise the elevation of the southern portion of Parcel 1 by SCE. Slag was used over the years as base material in areas that were unpaved and as fill where needed.

2.6 Regulatory History

Beginning in the late 1980s, Parcels 1, 2, 3, and 4 were the subject of investigations, remedial actions, and UST removals that involved oversight from various environmental regulatory agencies. Below is a brief chronological summary by parcel of the regulatory oversight history for the Site. Additional details, where applicable, are provided in Section 3 as referenced below, as well as Table 1.

- Parcel 4: In approximately 1989 or 1990, the California Department of Health Services (DHS), Toxic Substances Control Program, Alternative Technology Division, conducted a full-scale demonstration to evaluate the effectiveness of silicate/portland cement stabilization technology in decreasing lead, zinc, and cadmium concentrations below their respective California Soluble Threshold Limit Concentrations (STLC). Approximately 160 tons of an existing 5,000-ton stockpile, which had originated at Parcel 4, was successfully treated. The demonstration concluded that concentrations of these metals could be reduced to below their respective STLC (see Section 3.1.).

- Parcels 1 and 2: Between 1990 and 1991, Clean-Up Technology, Inc., conducted remediation of lead impacted soils at the southwestern corner of Parcel 2 and southern portion of Parcel 1, under Santa Ana Regional Water Quality Control Board (SA-RWQCB) and DHS oversight (Figure 2A). On November 7, 1990, the SA-RWQCB issued a let er of no further action to TAMCO for successful completion of remedial activities (see Section 3.2).

- Parcel 3: In 1993, the San Bernardino County Environmental Health Services Department (SBCEHSD) oversaw the removal of four USTs located west of the Roll Mill in Parcel 3 (Figure 4A). The USTs contained fuel oil used at the Roll Mill to fire the reheat furnace and were estimated to have a capacity of approximately 50,000 gallons each. After removal of the USTs in November 1993, soil was overexcavated and confirmation soil samples collected. On April 28, 1994, the SBCEHSD issued a let er of no further action to TAMCO for successful completion of UST removal and remedial activities (see Section 3.4).

- Parcel 2: In 1993 and 1994, URS Consultants, Inc. (URS) on behalf of the United States Environmental Protection Agency (USEPA) under authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA) conducted a CERCLA Preliminary Assessment (PA) of the Site. The purpose of the PA was to review information related to disposal of baghouse dust at the northwestern portion of a large slag stockpile located in the northern portion of Parcel 2.

Additionally, the PA also investigated baghouse waste which was reportedly irradiated when a canister containing radioactive cesium inadvertently went into the furnace resulting in baghouse waste with radioactivity. Under the oversight of the California Environmental Protection Agency, Department of Toxic Substances Control (Cal EPA DTSC) TAMCO disposed of the waste at the Chemical Waste Management, Ket leman Hills facility. The January 4, 1994 PA concluded that further remedial site assessment under CERCLA was not required (see Section 3.5).

- Parcel 2: In December 1997, TAMCO engaged the San Bernardino County Fire Department (SBCFD) to review a technical feasibility study and proposed field pilot tests for remediation of the slag stockpile containing baghouse dust located in the northern portion of Parcel 2. Clayton Environmental Consultants (Clayton), on behalf of TAMCO, submit ed a Demonstration Report in August 1999 which was approved by SBCFD on September 8, 1999. In November 1999 Clayton submit ed a Remedial Action Plan (RAP) to EHD and began implementation of the work in 2000. On July 2, 2002, SBCFD issued a let er of no further action to TAMCO related to remediation of the slag stockpile (see Section 3.8).

- Parcel 4: In December 2000, Fontana Steel, Inc. (owner of Parcel 4) entered into a Voluntary Cleanup Agreement (VCA) with the DTSC. The purpose of the VCA was for Fontana Steel to conduct a Preliminary Endangerment Assessment (PEA) as related to former trenches at Parcel 4, which Ameron/TAMCO used to dispose of slag and baghouse dust. IT Corporation (IT) on behalf of Fontana Steel, submit ed a PEA document to DTSC in September 2001, which was revised in November 2001. The PEA concluded that removal actions that had occurred in 1987 as part of Parcel 4 disposition by Ameron had successfully removed baghouse dust and confirmation soil sampling conducted by IT did not exhibit metals concentrations that presented a risk under a commercial/industrial exposure scenario. On December 20, 2001, DTSC issued a let er to Fontana Steel requiring no further action for investigation and remediation of soils at the former trenches at Parcel 4 (see Section 3.9).

- Parcel 2: In January 2005, DTSC conducted a Site visit of the TAMCO facility and identified an area at the northern portion of Parcel 2 (Pad 16), which was impacted with metals from scrap metals storage operations. In November 2005, the Leu Group, on behalf of TAMCO, conducted an excavation and confirmation soil sampling. The Leu Group submit ed a Remediation Completion report to DTSC dated January 27, 2006. The report stated that metals impacted soils had been successfully removed and the area had been paved to prevent future recontamination. In May 2007, DTSC and TAMCO entered into a Consent Order acknowledging that the contaminated soils had been remediated and that TAMCO would put measures into place to prevent future contamination and be assessed a fine of $49,500 (see Section 3.10).

- Parcel 3: In 2006, the SBCFD oversaw the removal of four 12,000-gallon diesel/fuel oil USTs located at the southwestern portion of Parcel 3. After removal of the USTs in May 2006, confirmation soil samples were collected. On October 6, 2006, the SBCFD issued a let er of no further action to TAMCO for successful completion of UST removal activities (see Section 3.11).

- Parcel 2: In 2010, the SBCFD oversaw the removal of one 300-gallon diesel UST located at the western portion of Parcel 2. After removal of the UST in November 2010, confirmation soil samples were collected. On March 7, 2011, the SBCFD issued a let er of no further action to TAMCO for successful completion of UST removal activities (see Section 3.13).

- Parcel 4: In 2014, the SBCFD oversaw the removal of one 12,000-gallon diesel UST located at the southeastern portion of Parcel 4 (Figure 4D). After removal of the UST and dispenser island in August 2014, confirmation soil samples were collected. On October 29, 2014, the SBCFD issued a let er of no further action to CMC Steel Fabricators for successful completion of UST removal activities (see Section 3.14).

- Parcels 1 through 4: On October 12, 2022, BTC III entered into a SVA with DTSC for regulatory oversight of assessment and remediation activities as part of redevelopment of the Site with five warehouse buildings ranging from approximately 70,000 to 1,000,000 square feet.

- Parcel 3: In 2022, the San Bernardino County Fire Protection District (SBCFPD) and the Rancho Cucamonga Fire Protection District (RCFPD) oversaw the removal of one dual-compartment 12,000-gallon UST (2,000-gallon gasoline and 10,000-gallon diesel) from the northwestern corner of Parcel 3. After removal of the UST and dispenser island in December 2022, confirmation soil samples were collected. On July 18, 2023, the SBCFPD issued a let er to BTC III approving UST closure (see Section 3.26).

- Parcel 2: In 2023, SBCFPD and RCFPD oversaw the removal of one 10,000-gallon diesel UST from within the former footprint of the former Melt Shop at the southern portion of Parcel 2. The UST was discovered by BTC in April 2023 during facility wide demolition activities. Confirmation soil samples were collected after removal. On August 29, 2023, the SBCFPD issued a let er to BTC III approving UST closure (see Section 3.27).

3. Historical Environmental Documents

This Section provides a summary of all available and pertinent environmental documents and correspondence for the Site. Documents not prepared by Roux have been gathered from a variety of sources including the former owners (CMC) and various regulatory agencies (DTSC, SA-RWQCB, and San Bernardino County). Although the documents have been provided to DTSC, they are included as Appendix B for completeness. Because of the number and size of the documents, Appendix B is provided as a standalone electronic transmit al.

3.1 Parcel 4: Clean Closure Verification Report: TAMCO Rolling Mill Site (ERT, March 1988) and Remedial Technology Demonstration Project Report (California Department of Health Services, Toxic Substances Control Program, Alternative Technology Division, 1990)

Between 1987 and 1988, Ameron Corporation retained ERT for the management of environmental issues associated with the removal of electric arc furnace baghouse dust. The dust was buried on Site in the late 1970s in three trenches located in the southern portion of Parcel 4, north of the metal scrap yard (Figure 4D). The trenches had approximate dimensions of 14-20 feet in width, 170 feet in length, and 12 feet in depth, and were covered with approximately 4 feet of soil. To evaluate the areas of potential contamination and to prepare cleanup plans, ERT performed field investigations and collected soil samples from the waste material removed from the trenches for chemical analysis. The analysis of the soil demonstrated that the soil contained concentrations of cadmium, copper, lead, and zinc that exceeded the screening levels (SLs) applicable at the time. The contaminated soil and the baghouse dust were excavated and removed from the affected area until confirmation samples of the remaining soil showed that its trace metal concentrations were well below the applicable SLs. The excavated area was then backfilled using slag, which was produced at Parcels 2 and 3 by TAMCO, after it has been analyzed to verify that its trace metal content was below the applicable SLs. After the trenches were filled with slag to within three feet of the original surface, stockpiled topsoil was placed over the top and compacted. The waste removed from the trenches was temporarily stockpiled on a fenced, asphalted parking area on Parcel 4, and covered with a weighted plastic cover to prevent dispersion by wind and contact with rain.

In approximately 1990, the California Department of Health Services (DHS), Toxic Substances Control Program, Alternative Technology Division, conducted a full-scale demonstration of a silicate stabilization process to reduce leachable metals concentrations (lead, zinc, and cadmium) with addition of a polysilicate/portland cement mixture. The demonstration project treated approximately 160 tons of an estimated 5,000-ton stockpile that had been generated during excavation of trenches in Parcel 4. Sampling results before and after treatment confirmed that addition of the mixture significantly reduced leachable concentrations of zinc, lead and cadmium to well below their California STLC values, and increased the median particle size by over six times. These results, combined with fish bioassay results, allowed the treated material to be profiled as nonhazardous after treatment.

According to a subsequent Preliminary Endangerment Assessment Report prepared in 2001 by IT Corporation (see Section 3.9), the excavated dust was treated and disposed off-Site.

3.2 Parcels 1 and 2: Remediation of Contaminated Soils, Southwest Property Adjacent to TAMCO (Clean-Up Technology, Inc., 1990)[1]

In August 1990, Clean-Up Technology, Inc. (CUT) was retained by TAMCO to prepare a workplan for submit al to the Santa Ana Regional Water Quality Control Board (SA-RWQCB) for the remediation of metals contaminated soils at the southwest corner of Parcel 2. According to CUT, surface water with elevated concentrations of lead and zinc flowed from Parcel 2 onto the southern portion of Parcel 1, and south of the adjoining railroad tracks. The releases were believed to have occurred periodically during operation of the TAMCO facility, causing development of a surficial layer of metal contaminated soils. To perform the remediation, CUT cleared the areas of vegetation; segregated soils into multiple stockpiles depending on contaminant levels (3,300 cubic yards total); collected verification soil samples to confirm all impacted soils had been excavated; and treated soils through chemical fixation. After sampling showed the effectiveness of treatment, CUT placed the treated soils in a stockpile at the southwestern corner of Parcel 2 for on-Site use as foundation materials, sub-base for concrete slabs, and/or as road base for internal haul roads. All of the remediation work was documented in an October 1990 Closure Plan prepared by CUT and submit ed to the SA-RWQCB. A No Further Action let er was issued by the SA-RWQCB on November 7, 1990.

3.3 Parcel 2: TAMCO Stockpile Sampling Report (Mittelhauser Corporation, March 1993)

In January 1993, on behalf of TAMCO, Mit lehauser Corporation (Mit elhauser) sampled slag, non-slag materials, and native soils from a slag stockpile located at the northwestern corner of Parcel 2. The objective of the sampling was to evaluate whether the slag stockpile had affected the underlying soil. Mit elhauser excavated three trenches (T-1 through T-3) at the northwestern edge of the stockpile and collected a total of ten (10) slag, non-slag[2], and soil samples for analysis of total cadmium, chromium, lead, nickel, and zinc. Native soil samples had relatively low metals concentrations; slag samples also had low metals concentrations with the exception of chromium (maximum of 1,500 mg/kg). By contrast the non-slag materials had elevated concentrations of all metals.

Slag stockpile remediation was subsequently conducted starting in 1997, as described further in Section 3.8.

3.4 Parcel 3: 11/05/93 UST Removal (TAMCO, November 6, 1993)[3]

On November 4, 1993, four (4) 50,000-gallon fuel oil USTs (listed as diesel) were removed from the western portion of Parcel 3 immediately adjacent to the Roll Mill. According to a let er from TAMCO to SBCEHSD, dated November 6, 1993, soil contamination was discovered after removal of the two eastern USTs, which required over excavation. On April 28, 1994, SBCEHSD issued a let er of Remedial Action Completion

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[1] The following documents associated with this work are included in Appendix B:

- Clean-Up Technology, Inc, *Work Plan for Remediation of Contaminated Soils,* August 20, 1990
- Clean-Up Technology, Inc, *Permit By Rule Site Specific Notification for Soil Remediation,* August 21, 1990
- California Toxic Substances Control Program, *Acknowledgement of Notification,* August 29, 1990
- Clean-Up Technology, Inc, *Closure Plan for Remediation of Contaminated Soils,* October 19, 1990
- Santa Ana Regional Water Quality Control Board, *Remediation of Lead Contaminated Soil at Site Southwest of TAMCO in Etiwanda,* November 7, 1990

[2] According to the *Concept Paper for Slag Pile Remediation*, prepared by Clayton Environmental Consultants in December 1997, non-slag material consisted primarily of slag fines and baghouse dust; see Section 3.8.

[3] The following documents associated with this work are included in Appendix B:

- TAMCO, *Soil Samples for 11/05/93 UST Removal*, November 6, 1993
- County of San Bernardino Environmental Health Services, *Remedial Action Completion Certification*, April 28, 1994

Certification to TAMCO. The Closure Summary at ached to SBCEHSD's let er indicated that a piping leak at the turbine had caused a release. In response, TAMCO removed and exported approximately 633 cubic yards of diesel-impacted soils after which clean confirmation samples were collected. SBCEHSD stated that no further action associated with the UST release was needed.

3.5 Parcels 2 and 3: CERCLA Preliminary Assessment (URS Consultants, Inc., January 4, 1994)

In 1993, URS conducted a CERCLA PA of the Site on behalf of USEPA. The PA was initiated after USEPA received a notification of hazardous waste generation at the Site from TAMCO. The objective of the assessment was to review existing information for the Site to assess if hazardous waste generation posed any threat to public health or the environment, and to determine if further investigation was warranted under CERCLA/SARA. Specifically, URS reviewed information related to baghouse waste disposal at the northwestern portion of a large slag stockpile located in the northern portion of Parcel 2. Additionally, the PA further investigated baghouse waste, which was reportedly irradiated when a canister containing radioactive cesium inadvertently went into the furnace resulting in baghouse waste with radioactivity.

According to the PA, a portion of the radioactive baghouse waste was reported to have been disposed of at the Ket leman Hills chemical waste management facility, which was not permit ed to accept radioactive waste. USEPA then conducted testing at the Ket leman Hills facility and concluded that the waste could remain in place because the quantity and concentration of the radioactive material did not pose a significant health or safety risk. Separately, the PA reported that radioactive materials were detected in a truckload of baghouse waste originating at TAMCO at a weigh station by the California Highway Patrol and the waste was returned to the Site. URS reported that the baghouse waste was placed into 1,752 drums and taken to US Ecology in Richland, Washington, which was permit ed to accept radioactive waste. Following the incident, TAMCO was reported to have installed radiation detectors at the Site for the testing of each truckload of scrap metal that entered the facility.

During the assessment, URS concluded that three potential sources of hazardous waste existed at the Site: the slag pile; the radioactive baghouse waste; and stabilized soil from prior remedial efforts.

- According to URS, the slag pile was reported to be composed of greyish material with incorporated baghouse waste and was located in the northwestern portion of Parcel 2. The stockpile was reported to have dimensions of 250 feet in length, 100 feet in width, and up to 25 feet in height.
- The stabilized soil referenced by the PA was created during treatment of lead impacted soils (Section 3.3) and consisted of a stockpile of approximately 3,300 yards of stabilized soil. At that time, a portion of the stabilized soil had reportedly been used as backfill following the removal of the four (4) 50,000-gallon fuel oil USTs (Section 3.4).

URS cited sample results of slag and baghouse waste which were analyzed for total metals, which showed that cadmium exceeded soil screening levels applicable at the time, and cadmium, chromium, lead, nickel, and zinc were detectable at concentrations greater than three times background (refer to Section 3.3). URS identified the groundwater pathway to be of primary concern at the Site due to groundwater being used as a drinking water source. However, URS determined that there have not been any observed releases to groundwater and due to the depth of groundwater and the mobility of the on-Site substances, a release to groundwater was unlikely. The PA concluded that further remedial site assessment under CERCLA was not required for the Site.

3.6 Parcel 1: Phase I Environmental Assessment, Undeveloped Property, 12301 Arrow Highway (Kinworthy/Patton Environmental, Inc., December 2, 1996)

In December 1996, Kinworthy/Pat on Environmental, Inc. (KPE), on behalf of TAMCO, performed a Phase I ESA of Parcel 1; the Phase I ESA was presumably conducted in consideration of acquisition of Parcel 1 by TAMCO. KPE described Parcel 1 as an undeveloped property with the street address of 12301 Arrow Highway, Rancho Cucamonga, California, and stated that Parcel 1 was owned by SCE. KPE reported that the approximately 19-acre parcel was undeveloped and had never been developed. The parcel was reported to be covered in natural vegetation except for a circular area near the central portion of the property (with an approximate 150-foot radius), which appeared to have been cleared and graded. KPE identified liquid coming onto the property from the Parallel Products facility to the west, along with an approximately 12-foot-long stained area. KPE also identified a 30-inch concrete pipe opening with a stained drainage channel and a 5-foot by 5-foot concrete vault with trash. Finally, KPE noted that the southern portion of Parcel 1 appeared higher in elevation than the surrounding landscape and stated that fill, including slag, appeared to have been placed on this portion of Parcel 1 during SCE's ownership.

3.7 Parcels 1, 2, and 3: Phase I Environmental Site Assessment (Arcadis Geraghty & Miller, October 7, 1998)

Arcadis Geraghty & Miller (Arcadis) prepared a Phase I ESA of Parcels 1, 2, and 3 in October 1998 for Latham & Watkins, LLC in connection with a potential sale of the equity interest in TAMCO. During the assessment, Arcadis identified three (3) Recognized Environmental Conditions (RECs):

- An active fuel UST located at the northern portion of Parcel 3, near the guard shack (since removed, see Section 3.26);
- A slag stockpile located at the northern portion of Parcel 2 (which was subsequently remediated; see Section 3.8); and
- Poor housekeeping and staining observed in the area of an AST to the south of the maintenance area in Parcel 3.

3.8 Parcel 2: Slag Stockpile Remediation (Clayton Environmental Consultants, 1997 through 2001)[4]

In 1997, Clayton was engaged by TAMCO to evaluate and remediate an approximately 41,150 cubic yard slag stockpile made up of clean slag (low in heavy metals), dirty slag (a combination of clean slag and fines with slightly elevated metals content), and non-slag material (slag fines and baghouse dust, high in metals content). The work was done under the oversight of the SBCFD and involved the submit al of several workplans. The slag stockpile was reportedly created from roll mill operations at TAMCO between the 1970s through the early 1980s and was managed on-Site at the northern portion of Parcel 2. Based on work conducted by Mit elhauser in 1993 (Refer to Section 3.3) and Clayton in 1997, it was estimated that the stockpiled was comprised of 22% clean slag, 55% dirty slag, and 23% non-slag materials.

[4] The following documents associated with this work are included in Appendix B:

- Clayton Environmental Consultants, *Concept Paper for Slag Pile Remediation*, December 18, 1997
- Clayton Environmental Consultants, *Work Plan for Field Pilot Plant Operations*, May 28, 1998
- Clayton Environmental Consultants, *Remedial Action Plan for Treatment of Slag/Non-Slag Stockpile,*,November 24, 1999
- San Bernardino County Fire Department Hazardous Materials Division, *Remediation of Slag and Non-Slag Stockpiled Soil*, July 2, 2002.

In April and May 1999, Clayton conducted a pilot project to separate the stockpile into slag and non-slag materials. The pilot test used a combination of screening and treatment with a rotary drum separation system (RDSS). In a let er to TAMCO, dated September 8, 1999, SBCFD indicated that the specified separation technique was a successful treatment option for slag/non-slag material and that the sorted fines and associated contaminated slag material qualified as non-RCRA waste.

On November 24, 1999, Clayton submit ed a RAP to SBCFD for full-scale remediation of the slag stockpile. The RAP proposed to handle the slag materials in various staging areas. First, an initial excavation and segregation was proposed at the slag stockpile. After that, the non-slag materials would be taken to the treatment pad and placed into one of two areas designated for either the RDSS Unit or a Fixation Unit. The clean slag segregated at the stockpile would be sampled and once confirmed as clean slag, hauled to a clean slag stockpile to be used by TAMCO. Clayton estimated that treated material would be transported off-Site for disposal or recycling. It was estimated that a lit le more than 14,000 tons of California Hazardous Waste (Non-RCRA) would require off-Site disposal due to total cadmium, lead, and zinc concentrations.

Clayton prepared a Remediation Completion Report dated June 2001 confirming that the slag stockpile had been successfully remediated. SBCFD issued a let er to TAMCO on July 2, 2002, confirming that no further action was required.

3.9 Parcel 4: Final Preliminary Endangerment Assessment Report, Historical Electric Arc Furnace Dust Trenches, Fontana Steel, Inc. (IT Corporation, September 2001, Revised November 2001), and DTSC Review Letter (DTSC, December 20, 2001)[5]

In December 2000, Fontana Steel and DTSC entered into a VCA to conduct a PEA report at Parcel 4 under the oversight of DTSC, and to provide assurance for the reimbursement by Fontana Steel to DTSC for oversight costs.

In November 2001, IT submit ed a PEA report to the DTSC on behalf of Fontana. The stated purpose of the PEA was to assess the potential environmental impacts associated with the historical disposal of slag and baghouse dust in trenches on Parcel 4 (Refer to Section 3.1). The PEA stated that in 1987, buried baghouse dust was remediated by excavation. According to the PEA, approximately 4,000 cubic yards of buried dust was excavated, treated, and disposed off-Site (the off-Site disposal location was not specified). The open trenches were reportedly backfilled with slag and brought to grade with clean soil removed from the trenches. As part of the PEA investigation, 10 on-Site soil samples from the vicinity of the trenches and four background soil samples from elsewhere on Parcel 4 were collected between 0 and 10 feet bgs. The evaluation also included analysis of 67 background soil samples from the "West Slag Pile" at the off-Site Kaiser Steel facility, located 1.5 miles southeast of the Site. Based on analytical results, the PEA identified nine metals as chemicals of potential concern (COPCs): cadmium, total chromium, hexavalent chromium, copper, lead, mercury, selenium, vanadium, and zinc. The PEA evaluated inhalation of fugitive dust, dermal contact, and incidental ingestion of soil utilizing the maximum concentration of each of the COPCs as possible pathways of soil exposure on Site. Overall, the PEA concluded that the health and hazard risks

[5] The following documents associated with this work are included in Appendix B:

- DTSC, *Voluntary Cleanup Agreement Docket No HAS-A 00/01-153,* December 22, 2000
- IT Corporation, *Final Preliminary Endangerment Assessment Report*, November 2001
- DTSC, Review of PEA and NFA, December 20, 2001

associated with inorganic COPCs in soil and backfill at the Site were within the acceptable levels for a commercial/industrial exposure scenario and recommended no further investigation or remedial action.

On December 20, 2001, DTSC issued a letter to Fontana Steel stating that, based on their review of the PEA, the Site did not appear to pose human health or environmental risk. On this basis, DTSC concluded that no further action was needed for the Site with respect to the investigation and remediation of hazardous substances.

3.10 Parcel 2: Remediation Completion Report for Surface Soils Impacted by Heavy Metals Located North of Pad 16 (The Leu Group, January 27, 2006) and Consent Order (TAMCO and DTSC, Docket No. HWCA 2005 0964, May 2, 2007)

In January 2005, DTSC conducted a Site visit of the TAMCO facility and collected surface soil samples in and around TAMCO's scrap metals storage area on Parcel 2. DTSC's sampling showed that an area north of scrap piles 12 and 16 at the northern portion of Parcel 2 (Pad 16) was impacted with metals. In October 2005, a series of meetings were held with DTSC, and it was agreed that impacted soils would be removed from the Site with confirmation samples collected to demonstrate that remediation had been completed. In November 2005, the Leu Group, on behalf of TAMCO, conducted excavation and confirmation soil sampling. The Leu Group submitted a Remediation Completion Report to DTSC on January 27, 2006. The report stated that metals impacted soils were removed by scraping off the upper few inches of soil and placing them into 10-cubic-yard boxes. Soil was removed until it was determined that the remaining soil within the excavation area met the established cleanup criteria. The excavated area was backfilled using stockpiled soil that met the cleanup criteria, along with a small amount of slag to bring the excavated area up to grade. Soil that did not meet cleanup criteria was managed as hazardous waste and transported for off-Site disposal to US Ecology in Beatty, Nevada. Following the cleanup, TAMCO paved the treated area to prevent future contamination of area soils due to Site activities.

In May 2007, TAMCO and DTSC entered into a Consent Order acknowledging that the contaminated soils had been remediated and that TAMCO would put measures into place to prevent future contamination and be assessed a fine of $49,500. In the Consent Order, TAMCO agreed to comply with DTSC terms and conditions, including using measures to minimize the dispersion of any hazardous materials to the environment, such as wind breaks and barriers, routine removal of residuals from the scrap metal pile area of the Site, utilizing track-out controls, and notifying DTSC of any hazardous material release.

3.11 Parcel 3: Underground Storage Tank Closure Report (Sharp Environmental Technologies, Inc., September 27, 2006) and Approval Letter (San Bernardino County Fire Department, October 6, 2006)[6]

In May 2006, four (4) 12,000-gallon diesel/fuel oil USTs that had been previously abandoned-in-place in December 1985, were removed from the southwestern portion of Parcel 3. Sharp Environmental Technologies, Inc. (SET) on behalf of Ecology Control Industries (ECI) prepared a UST closure report indicating that the removal of the USTs was performed in accordance with SBCFD guidelines and under permits from SBCFD and the City of Rancho Cucamonga. Eight soil samples were collected from under the USTs and

[6] The following documents associated with this work are included in Appendix B:

- Sharp Environmental Technologies, Inc. *Underground Storage Tank Closure Report*, September 27, 2006
- San Bernardino County Fire Department, NFA Letter for UST Removal, October 6, 2006

sampled for total petroleum hydrocarbons (TPH) as carbon chain (TPH-cc) and VOCs, none of which were detected at concentrations greater than the laboratory detection limits. It was reported that USTs were recycled as scrap steel by TAMCO and the UST excavation was backfilled with on-Site soil. On October 6, 2006, SBCFD issued a letter of no further action to TAMCO for successful completion of UST removal activities.

3.12 Parcels 1, 2, and 3: Phase I Environmental Site Assessment (Environ International Corporation, June 9, 2010)

Environ International Corporation (Environ, now Ramboll) prepared a Phase I ESA report for Parcels 1, 2, and 3 in June of 2010 on behalf of Latham & Watkins, LLC in connection with a potential sale of the equity interest in TAMCO. During the assessment, Environ identified a REC at the Site based on information presented in a Phase I ESA conducted by Arcadis in 1998 concerning ASTs, which were being used for the storage of oils, grease, and diesel, to the south of the Mobile Maintenance building in Parcel 3. Environ stated that due to the significant depth to groundwater and the low mobility of oil and diesel, potential subsurface impacts from the ASTs would be unlikely to present a significant environmental liability at the Site. In addition to the REC, Environ identified one UST used for an emergency generator located near cooling tower No. 4 in Parcel 2 as a REC. This UST was subsequently removed in 2010 (see Section 3.13).

3.13 Parcel 2: Underground Storage Tank Closure Report (Sharp Environmental Technologies, Inc., January 7, 2011) and Approval Letter (San Bernardino County Fire Department, March 7, 2011)[7]

In November 2010, one (1) 300-gallon diesel UST was removed adjacent to the former cooling tower in the southern area of Parcel 2. SET, on behalf of Environmental Logistics, prepared a UST closure report indicating that the removal of the UST was performed in accordance with SBCFD guidelines and under permits from SBCFD and the City of Rancho Cucamonga. One soil sample was collected from under the UST and sampled for DRO and benzene, toluene, ethylbenzene, and xylenes (BTEX). SET reported that the soil sample contained DRO and BTEX concentrations greater than screening criteria. SET recommended that the report be submitted to SBCFD. On March 7, 2011, SBCFD issued a letter of no further action to TAMCO for successful completion of UST removal activities. Additional sampling in the vicinity of the former tank is described in Sections 3.17 and 3.20.

3.14 Parcel 4: Removal of Underground Storage Tank(s) located at CMC Rebar-Etiwanda (San Bernardino County Fire Department, October 29, 2014)

In August 2014, one (1) 12,000-gallon diesel UST was removed from the southeastern portion of Parcel 4. After removal, soil samples were collected from 16 feet bgs within the excavation and 6 feet bgs from the area where the dispenser was removed. Soil samples were analyzed for DRO and VOCs, with all analytes below the laboratory detection limits. On October 29, 2014, the SBCFD issued a letter of no further action to CMC Steel Fabricators for successful completion of UST removal activities.

[7] The following documents associated with this work are included in Appendix B:

- Sharp Environmental Technologies, Inc. *Underground Storage Tank Closure Report*, January 7, 2011
- San Bernardino County Fire Department, NFA Letter for UST Removal, March 7, 2011

3.15 Parcels 1, 2, and 3: Phase I Environmental Site Assessments (Ramboll/Environ, July 2017 and August 6, 2018)

In July 2017 and August 2018, Ramboll Environ (now known as Ramboll) was retained by CMC to perform Phase I ESAs of the Parcels 1, 2, and 3 in connection with a potential business transaction. During both ESAs, Ramboll identified one (1) REC at the Site associated with its historic industrial use. According to the ESAs, the Site had operated as a steel mill since 1956, which presented potential contamination concerns. The potential contamination concerns included:

- Potential burial of hazardous materials and waste during the facility's historical operations;
- The historical presence of a septic system and drain field prior to the 1980s;
- The presence of an "oil cellar" with an abandoned 10,000-gallon lubricating oil tank in a below-grade area of the Roll Mill;
- A suspected waste sludge or ink disposal area near a cooling tower;
- An area of significant staining noted in 1998 near ASTs with no known investigation or remediation (see discussion of Arcadis Phase I ESA in Section 3.7);
- Standing oil and/or staining observed in exterior waste storage areas in 2012;
- Staining observed on paved surfaces in various interior and exterior areas of the facility in 2012 and primarily in the Roll Mill during the 2017 and 2018 site reconnaissance;
- The presence of aging below-grade pipes, vaults, and wastewater collection systems associated with process wastewater (contact cooling water);
- Recent operation of active diesel and gasoline USTs, and lack of soil or groundwater investigations in the vicinity of these tanks (as of 2017/2018, current operations did not suggest a contamination concern as the USTs were observed to have been retrofit ed and passed routine environmental testing/inspections);
- Potential presence of one or more USTs that may not have been closed under regulatory oversight; and
- A potential former sludge pit.

Given the above conditions, Ramboll was unable to rule out the possibility of soil or groundwater impacts, but noted that the groundwater beneath the Site was deep and there were no known environmental triggers for investigation or remedial activities.

In addition to the RECs, Ramboll identified controlled RECs (cRECs) at the Site, including potential residual impacts to soil from baghouse dust remediation, residual impacts to soil following the remediation of slag and non-slag stockpiled material, potential for residual metal impacts to soil following remediation of the area north of the scrap metal yard, and residual diesel contamination to soil identified during a 2011 UST closure. Lastly, Ramboll identified one non-scope consideration pertaining to potential asbestos-containing materials at the Site.

3.16 Parcels 1-4: Phase I Environmental Site Assessment (Ramboll US Corporation, September 2020)

In 2020, CMC retained Ramboll to perform a Phase I ESA of Parcels 1, 2, 3, and 4 in connection with a potential business transaction. During the assessment, Ramboll identified one REC associated with an AST located south of the Mobile Maintenance building on Parcel 3. This condition was also defined as a REC during Ramboll's (then known as Environ) 2010 Phase I ESA (Section 3.12). Ramboll noted that during their Site visit, the area remained concrete-paved and concrete-bermed, and three oil ASTs and one oil tote were observed; the contents of the ASTs were piped inside the building and into dispensers for filling of vehicles and equipment inside the building.

In addition to one REC, Ramboll identified cRECs and Historical RECs (hRECs) at the Site. The cRECs were associated with the remediation of the area north of Pad 16 (Section 3.10) on Parcel 2 and the slag stockpile remediation on the northern portion of Parcel 2 (Section 3.8). The hRECs were associated with the historical remediation of lead impacted soils in Parcel 1 (Section 3.2), diesel-impacted soils related to former USTs in Parcel 3 (Section 3.4), and slag trench remediation in Parcel 4 (Sections 3.1 and 3.9).

3.17 Parcels 1-4: Phase II Subsurface Investigation Report (Ramboll US Consulting, Inc., April 28, 2021)

Between 2020 and 2021, Ramboll was retained by CMC to perform a Phase II Subsurface Investigation at the Site. The purpose of the Phase II was to evaluate the existing soil and soil vapor conditions at the Site as a component of CMC's cessation of ongoing activities and pending property divestiture. During the investigations, Ramboll performed Site-wide sampling, incorporating areas of historical and current operations and features, as well as areas of prior environmental work (Table 2; Figures 5 through 8, orange boring locations). Through implementation of their work, Ramboll arrived at the following conclusions:

- Slag material was observed at several borings at depths ranging from 0 to 10 feet bgs and in thickness ranging between approximately 0.1 and 10 feet, primarily on the western, northern, and southwestern portions of the Site (Parcels 1 and 2).

- Lead was detected in shallow soils (up to 3 feet bgs) at concentrations greater than the DTSC commercial screening level in borings placed in Parcels 2 and 3 to the north of the Warehouse and Maintenance building and the east part of the Mobile Maintenance building. However, lead concentrations in soil appeared to decrease in concentration with depth.

- DRO was detected in shallow soils (up to 5 feet bgs) at concentrations greater than the DTSC commercial screening level (560 mg/kg at the time of the investigation) in borings located south of the bundling station in Parcel 3 and near the west boundary of Parcel 2. DRO concentrations in soil appeared to decrease with depth.

- Elevated concentrations of total lead, zinc, and/or cadmium were observed in some shallow soil samples collected in Parcels 2 and 3 in the vicinity of the northwest part of the Warehouse and Maintenance building and the northwest part of the Old Baghouse.

- Soil vapor data collected at the Site suggests that Site-wide vapor mitigation measures are not necessary. However, VOC impacts (particularly PCE) were observed in Parcel 3 in the east portion of the Parts Warehouse building generally within the upper 15 feet.

- Groundwater was historically measured at a depth of greater than 375 feet bgs in an on-Site water well. The results of the Phase II investigation did not suggest that on-Site operations had adversely impacted groundwater.

3.18 Parcels 1-4: Phase I Environmental Site Assessment (Ramboll US Consulting, Inc., June 24, 2021)

Ramboll was engaged by CMC in 2021 to prepare a Phase I ESA for the Site. Ramboll identified localized areas of impacted soil or soil vapor contamination as one (1) REC. Specifically, Ramboll identified the areas sampled during their 2020 and 2021 Phase II investigation (Section 3.17), which showed shallow soils with elevated concentrations of lead and DRO and shallow soil vapor with elevated PCE, as RECs. Additionally, Ramboll identified cRECs pertaining to the remediation of area north of Pad 16 on Parcel 2 (see Section 3.10), and remediation of baghouse dust commingled with slag stockpile on Parcel 2 (see Section 3.8). An hREC was also identified by Ramboll in connection with the historical remediation of impacted soils in Parcels 1, 3, and 4.

3.19 Parcels 1-4: Phase I Environmental Site Assessment (Roux Associates, Inc., December 2021)

As part of due diligence prior to Site acquisition, Roux conducted a Phase I ESA for BTC III in December of 2021. Roux identified the following six (6) RECs:

- TPH and metals impacts to shallow soil in Parcels 2 and 3, and VOC impacts (primarily PCE) to shallow soil vapor in Parcel 3, as identified by Ramboll during their 2020-2021 Phase II subsurface investigation;
- Rail spurs at Parcels 2 and 3, which have been present on-Site since at least 1959 (Photograph A-12);
- An existing 12,000 gallon dual-compartment diesel and gasoline UST at Parcel 3 (Photograph A-16);
- A former chemical storage area with staining and cracks (Photograph A-13), located northwest of the former melt shop on Parcel 2;
- A wash rack in the northern portion of Parcel 2 (Photograph A-24); and
- Potential inactive on-Site USTs.

In addition to the RECs, Roux identified several hRECs, one cREC, and several other environmental features (OEFs) pertaining to the Site. The hREcs consisted of the lead remediation area in Parcel 1, the former fuel oil USTs located in Parcel 3, treated metals impacted soil in Parcel 1, slag trench remediation in Parcel 4, slag remediation area in Parcels 1 and 2, and former diesel UST on Parcels 2 and 4. The identified cREC consisted of the Pad 16 remediation area. The OEFs consisted of the historical Site-wide agricultural use, the nearby DP Etiwanda Site, and the Site-wide buried slag material.

3.20 Parcels 1-4: Subsurface Investigation Report (Roux Associates, Inc., April 6, 2023; revised September 12, 2023)

On behalf of BTC III, Roux conducted a Subsurface Investigation (SI) in 2021 and 2022. During the investigation, Roux performed two field mobilizations to confirm Site environmental conditions and to delineate VOC impacts to shallow soil and soil vapor.

The Subsurface Investigation was intended to address RECs identified by Roux in the 2021 Phase I ESA, as well as to build on data generated by Ramboll during Phase II Subsurface Investigation. Roux's Subsurface Investigation was conducted in late 2021 and early 2022 in two mobilizations: Mobilization 1 was implemented in November 2021 to confirm Site environmental conditions prior to BTC III's ownership, and Mobilization 2 was implemented in March 2022 after BTC III became owner, specifically to delineate VOC impacts to shallow soil and soil vapor at Parcel 3. Including both mobilizations, Roux drilled 120 borings and collected 175 soil samples and 119 soil vapor samples (Table 2; Figures 5 through 8, blue boring locations).

The results of Mobilization 1 confirmed that:

- Soil samples collected along rail spurs at Parcels 2 and 3 indicated that one boring location had PCB concentrations greater than the SLs and one boring location had a SVOC constituent (benzo(a)pyrene) concentration greater than the SL;
- Target chemical concentrations in soil and soil vapor samples at an existing UST, a former chemical storage area, a wash rack, and former USTs were below commercial/industrial RSLs or SLs;
- Pesticide and herbicide concentrations across the Site were less than the commercial/industrial RSLs or SLs;
- Shallow soils (less than 5 feet bgs) in limited areas near the southern portion of the Site (Parcels 2 and 3) contained DRO and metals concentrations exceeding the commercial/industrial RSLs or SLs; and
- PCE and benzene concentrations in soil vapor samples in portions of Parcel 3 exceeded SLs.

The results of Mobilization 2 confirmed that:

- VOCs in soil are not present at concentrations greater than USEPA RSLs or DTSC SLs; and
- PCE concentrations in soil vapor at Parcel 3 were detected within a limited area and significantly at enuate with depth, however additional lateral and vertical delineation is needed.

Based on the results of the Subsurface Investigation, Roux recommended:

1. Additional shallow soil sampling to define the limits of metals and DRO impacts to shallow soils at Parcels 2 and 3, and SVOC impacts at Parcel 3.
2. Additional soil vapor delineation and evaluation of soil vapor extraction (SVE) as a remedial alternative for shallow VOC impacts in Parcel 3.
3. Additional sampling along the rail spur to delineate the extent of PCB impacts.
4. Additional evaluation of the physical distribution and chemical composition of slag materials in the western portions of the Site (conducted in September and October 2022).

3.21 Parcels 1-4: Soil Management Plan (Roux Associates, Inc., October 3, 2022)

In October 2022, in preparation for demolition of Site structures, Roux prepared an SMP on behalf of BTC III, with the purpose of establishing protocols and procedures to be followed by Site workers during removal of subsurface features. The SMP included procedures for soil management and sampling that may be necessary to address potentially impacted soils at the Site or unexpected conditions, such as encountering subsurface structures.

3.22 Parcel 3: Soil Vapor Extraction Pilot Test Technical Memorandum (Roux Associates, Inc., October 4, 2022)

On July 15 and 16, 2022, Roux conducted a SVE pilot test at Parcel 3 to evaluate SVE as a potentially viable full-scale remedial technology for cleanup of VOCs in soil vapor. The objectives of the pilot test were to gather Site-specific data to be used for the design and implementation of a full-scale SVE system within Parcel 3. Based on the results of the SVE pilot test, Roux concluded that SVE was an effective technology for remediation of VOC-impacted soil vapor at the Site. Roux determined that the estimated radius of influence (ROI) at 5 feet bgs ranged from approximately 71 to 82 feet, and the estimated ROI at 15 feet bgs ranged from approximately 125 to 158 feet, and that these ROIs were considered sufficient for application of SVE technology. The SVE pilot test activities and conclusions were documented in an October 4, 2022, SVE Pilot Test Technical Memorandum.

3.23 Parcels 1-4: Slag Investigation Technical Memorandum (Roux Associates, Inc., April 7, 2023, revised August 25, 2023)

Between September 14 and October 11, 2022, Roux conducted a pothole and trenching investigation to evaluate the distribution and physical and chemical characteristics of subsurface slag at the Site. The slag investigation was performed to further evaluate the sampling results of Roux's Subsurface Investigation and those reported by Ramboll in their 2020 Phase II investigation. Using the information generated during the slag investigation, Roux concluded the following:

- Slag material is limited to western portion of the Site (majority of Parcel 1, the western and southern portion of Parcel 2, and the southwest portion of Parcel 4) and the southeastern corner of Parcel 3 (Figure 9).
- The southern portion of Parcel 1 was observed to have more dense and consolidated slag materials, as well as slag material that was observed to be larger than 2-inches in diameter (cobble sized material).
- The depth, thickness, and characteristics of slag material is generally understood.
- Slag at the Site was observed at depths that ranged from the soil surface to the maximum excavation depth of 13 feet bgs.
- The majority of the slag material observed on Site ranged from sand grain to gravel sized, which is typically less than 2-inches in diameter.
- Slag encountered just below the surface pavement often appeared layered, with materials cemented or hardened in some locations.
- Concentrations of metals that exceeded industrial SLs were limited to thallium in two adjacent sampling locations down a depth of 11 feet bgs, and arsenic in one location at a depth of 3 feet bgs, which exceeded the California background soil concentration of 12 mg/kg.

- Title 22 TTLC waste criteria were not exceeded for any samples; Title 22 STLC and RCRA waste criteria were not exceeded for chromium, copper, lead, and/or nickel in the select samples analyzed during Roux's investigation. Based on the results of Roux's investigation slag materials, aside from those encountered by Ramboll at RSB-02 and RSB-43, would be considered non-hazardous if excavated and managed as waste.
- Geotechnical, soluble sulfate, and corrosivity were evaluated by Southern California Geotechnical (SCG), who recommended engaging a corrosion engineer to provide a more thorough evaluation of results.

Roux documented all slag investigation activities in a revised TM, dated August 25, 2023.

3.24 Parcel 3: Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls, Southeastern Corner of Parcel 3 (Roux Associates, Inc., August 25, 2023)

To characterize PCB impacts identified by Roux along a rail spur in the southeastern area of Parcel 3 (Section 3.20), Roux conducted targeted shallow soil sampling activities in November 2022 and May and June 2023. These results were documented in a technical memorandum dated August 25, 2023.

In November 2022, eleven shallow soil samples from the approximate location of RR-3, forty feet to the east, north and west, and 20 feet to the south were analyzed for PCBs. The results confirmed that PCB impacts near RR-3 did not appear to be significant and/or widespread. To provide tighter delineation, in May and June 2023, six additional soil borings were drilled to a maximum depth of 4 feet bgs at step-out locations to the north, south, east, and west of RR-3 and analyzed for PCBs. Based on the 2023 data, Roux concluded that PCB impacts were fully delineated laterally and vertically to the east, west, and south of RR-3, but not to the north.

As a result, Roux recommended additional soil delineation to the north of RR-3, as well as delineation of surficial asphalt in the immediate vicinity of RR-3.

3.25 Parcel 3: Technical Memorandum, Proposed Characterization and Performance Based Cleanup of Polychlorinated Biphenyls Impacted Concrete, Parcel 3 (Roux Associates, Inc., April 11, 2023) and Parcel 3: Technical Memorandum, Characterization of Polychlorinated Biphenyls Impacted Concrete, Parcel 3 (Roux Associates, Inc., August 25, 2023)

In August 2023, Roux prepared a TM documenting sampling of pink stained concrete discovered on January 18, 2023, during demolition activities of the former Roll Mill on Parcel 3. Initial sampling confirmed that the concrete had PCBs at concentrations greater than 50 mg/kg. Based on the reported PCBs concentrations, further characterization was recommended so that PCB impacts could be bet er defined and an appropriate remediation plan developed. Following the initial sampling of the concrete on January 19, 2023, a 40-foot buffer was established around the stained concrete, and the entire area of pink stained concrete was covered with plastic sheeting.

The TM documents characterization sampling of the concrete completed in May and June of 2023 as well as inspection of the condition of the concrete (cracks, chips, etc.). Samples were collected on a grid interval of 10 feet (approximately 3 meters) and analyzed for PCBs.

Roux concluded that PCBs were detected in concrete samples at concentrations greater than DTSC screening criteria; that vertical profile concrete samples indicate that PCB concentrations decrease significantly with depth; and that delineation was complete, with the exception of an area immediately east of the pink concrete, which was inaccessible due to the presence of an active transformer and switchgear. Roux recommended cleanup of all identified concrete and soil with PCB concentrations greater than DTSC Note 3 SLs and disposal in accordance with TSCA's performance-based disposal option under 40 CFR §761.61(b) under a DTSC-approved remedial action workplan (RAW).

3.26 Parcel 3: Underground Storage Tank Closure Report (Roux Associates, Inc., June 23, 2023) and Approval Letter (San Bernardino County Fire Protection District, July 18, 2023, 2023)

In April 2023, Roux prepared an Underground Storage Tank Closure Report to document the excavation, permanent removal, and closure of a dual-compartment UST at the Site, comprised of one 10,000-gallon diesel compartment and one 2,000-gallon gasoline compartment and the associated product piping. The report indicates that the UST was excavated and removed from the Site under the supervision of a California Professional Geologist, as well as a Certified Industrial Hygienist (CIH) and inspectors from both the San Bernardino County Fire Protection District and the Rancho Cucamonga Fire Protection District on December 12, 2022. The tank appeared to be in very good condition and there was no evidence of staining or of a release beneath the UST or in the UST excavation. Confirmation soil samples collected beneath the UST showed no indication of hydrocarbon-related impacts. On July 18, 2023, the SBCFPD issued a let er to BTC III approving UST closure.

3.27 Parcel 2: Underground Storage Tank Removal Report (Roux Associates, Inc., August 25, 2023) and Approval Letter (San Bernardino County Fire Protection District, August 29, 2023)

On April 5, 2023 an estimated 10,000-gallon single walled tank was discovered during building demolition activities related to site redevelopment. The tank was found following removal of a concrete slab and associated footings in the former melt shop. No product pipelines, vents, or other infrastructure associated with the tank was observed, nor was any reference to the tank noted in available historical site documentation. The UST was removed on June 28, 2023 under the supervision of a California Professional Geologist, as well as a CIH and inspectors from both the San Bernardino County Fire Protection District and the Rancho Cucamonga Fire Protection District.

The tank was observed to be in poor condition, with visible holes and corrosion. No impacted soil was observed (visual or olfactory) beneath the tank. Confirmation soil samples collected beneath the UST showed no indication of hydrocarbon-related impacts and are not indicative of a release, however stockpiled soil that was removed from the top of the damaged tank did indicate elevated concentrations of diesel range organics. On August 29, 2023, the SBCFPD issued a let er to BTC III approving UST closure.

4. Environmental Setting

4.1 Location and Land Use

The Site is located approximately 40 miles east of Los Angeles, in an industrial area Rancho Cucamonga. The City of Rancho Cucamonga zoning designation for the Site and surrounding properties is Neo Industrial (NI), and the Site is bounded to the south by Atchison Topeka Santa Fe Railroad, followed by the former Etiwanda Generating Station (8998 Etiwanda Avenue); to the west by Parallel Products, a chemical manufacturer (12281 Arrow Route), and Copart, a vehicle auction facility (12167 Arrow Route); to the north by Arrow Route, followed by Planet Storage, a self-storage facility (12330 Arrow Route), Steelcase, a warehouse (12400 Arrow Route), and Air Liquide America, an industrial gas supplier (12550 Arrow Route); and to the east by Juneberry Drive, followed by Goodman Logistics Center, a warehouse complex (12521 Arrow Route and 8600 Etiwanda Avenue), Tree Island Wire, a rebar manufacturing facility (12459-A Arrow Route), and vacant land (8822 Etiwanda Avenue). The closest residential development is approximately 2,000 feet to the east-northeast beyond the intersection of Arrow Route and Etiwanda Avenue (Figure 2B).

4.2 Physiography, Topography, and Surface Drainage

Site topography is relatively flat, with a gentle slope to the south (similar to regional topography). Elevation of the Site ranges from approximately 1,129 feet above mean sea level (AMSL) to the south and 1,169 feet AMSL to the north. Stormwater runoff either percolates into the subsurface in unpaved areas or flows into stormwater infrastructure to the south and southwest.

4.3 Site Geology

The Site is located roughly 5 miles to the south of the San Gabriel Mountain Ranges and is part of the Chino Subbasin. The Chino Subbasin is bound by geological features such as the Rialto Fault to the east, the Jurupa Mountains to the South, the San Jose Fault to the northwest, and the Cucamonga Fault to the north. Regional strata consist of consolidated and semi-consolidated Quaternary fluvial and marine deposits. Depositional facies are primarily alluvium, lake, playa, and terrace deposits. Regional soils are mostly gravelly loamy sands (California Department of Conservation, 2010 Geologic Map).

According to Ramboll's 2021 Phase II Subsurface Investigation Report, soil on Site generally consists of sands and gravel in the upper 5 feet bgs, followed by lenses of sand and silts. This was confirmed during Roux's subsequent investigations from 2021 to 2023.

Lithologic conditions observed by Ramboll and Roux at each parcel are as follows:

- Parcel 1 – Sand with gravel and/or slag to 5 feet bgs (slag was observed to 7.7 feet bgs by Ramboll in some locations), sand and sand with silt to 18 feet bgs, sandy silt to 25 feet bgs;
- Parcel 2 – Sand with gravel and/or slag to 5 feet bgs (slag was observed to 10 feet bgs by Ramboll in some locations), sand and sand with silt to 12 feet bgs, silty sand and sand to 30 feet bgs;
- Parcel 3 – Sand or sand with silty sand to 29 feet bgs with dense silt observed from 29 to 34 feet bgs; and
- Parcel 4 – Sand and silty sand layers to 5 feet bgs, and sand to 25 feet bgs.

4.4 Site Hydrogeology

The Site is situated along the northeastern portion of the Chino Subbasin within the Upper Santa Ana Valley Groundwater Basin. The Chino Subbasin is bounded on the north by the San Gabriel Mountains (California's Groundwater Bulletin 118, 2004). Nearest tributaries to the Site drain from north to south from the San Gabriel mountains. The nearest surface water feature to the Site is Day Creek, a concrete lined stormwater drainage channel, approximately 0.24 miles to the west.

Based on monitoring well information from the Etiwanda Generating Station (P. Hamilton, 2010) groundwater is estimated at a depth of 430 feet bgs. Ramboll's Phase II Report notes that historical Well Drillers logs from 1956 place groundwater depths at 728 feet bgs, with depth to water at the time of well installation at 378 feet bgs (Ramboll, 2021a). During site investigations by Ramboll and Roux, groundwater was not encountered to the maximum depth drilled of 30 feet bgs.

4.5 Drinking Water Wells

According to the Ramboll Phase I ESA performed in June 2021, there are no federally registered water supply wells within one mile of the site. Additionally, there are no state registered private or municipal wells used for water supply present within one mile of the site.

5. Current Environmental Status

As detailed in Sections 2 and 3 of this CCR, the history and use of the Site are well understood and numerous environmental investigations have been conducted by various consultants for various owners of the Site, including by Roux on behalf of BTC III between 2021 and 2023. From initial development through facility decommissioning in 2019, Site uses, features of environmental interest, and waste generation were generally consistent. For that reason, most of the environmental investigations and/or remedial activities conducted to date have focused on features and activities on Parcels 2 and 3 and to a lesser extent on Parcels 1 and 4. As of the date of this CCR, there are no open cases with any regulatory agencies and all known releases or suspected releases have been investigated and where necessary, remediated to agency satisfaction (Table 2). Subject to additional investigations, as detailed in Section 7, the current suite of data for the Site confirms that Parcels 1 and 4 will likely not require remedial action prior to Site redevelopment. Conversely, Parcels 2 and 3, which were the most heavily used and will be the subject of upcoming soil and soil vapor investigations, will likely require remedial action(s) prior to Site redevelopment.

The results of Roux's SI, combined with the results of targeted PCB investigations on Parcels 2 and 3; soil vapor sampling and SVE pilot testing on Parcel 3; and potholing and trenching to investigate slag and slag materials on Parcels 1 and 2 (with some limited work in Parcels 3 and 4) support the following conclusions:

- DRO and metals concentrations exceed commercial/industrial SLs in shallow soils (less than 5 feet bgs) in limited areas of Parcels 2 and 3. These areas require additional investigation and potentially remediation.

- PCE, TCE, chloroform, and benzene concentrations in soil vapor in the central portion of Parcel 3 exceed screening levels and will require remediation. An initial short-term pilot test suggest that SVE is a viable remedial alternative. However, additional delineation has been requested by DTSC and Roux recommends an extended SVE pilot test.

- Two small areas at the southern portion of the Site (one each in Parcels 2 and 3) have limited PCB impacts which require additional sampling and remediation.

- Slag, where present, will need to be considered for geotechnical purposes but is generally inert and does not present a human health risk to future commercial/industrial construction workers or occupants of the Site. In support of ruling out whether slag has the potential to leach metals that could impact groundwater, DTSC has suggested that a Site-specific leaching model (i.e., SESOIL or VLEACH) be used in a future evaluation. Roux will incorporate this suggestion into future work at the Site.

- Parcel 1 was never developed with permanent structures, and is generally unaffected by former industrial activities. The southern portion of Parcel 1 was reportedly raised using slag as fill when SCE was owner and a small portion of the southwestern corner was remediated for surface lead impacts in the early 1990s. Slag has been investigated and lead impacts were remediated to the satisfaction of SA-RWQCB. No additional investigation or remediation is considered necessary for Parcel 1.

- Parcel 4 was historically impacted by burial of baghouse dust prior to its development. Impacts from baghouse dust were remediated in the late 1980s and in 2001 re-evaluated and further

investigated under the oversight of DTSC; DTSC provided concurrence that no additional investigation/remediation was warranted. Additionally, features of interest after development were investigated by Ramboll and Roux. To date no impacts have been identified, and no additional investigation or remediation is considered necessary for Parcel 4.

Section 6 of this CCR provides the current CSM and identifies data gaps. Section 7 provides a Workplan to close data gaps associated with DRO and metals in soil across the Site as well as limited areas of chloroform impacted soil vapor in Parcel 2 and SVOC impacted soil in Parcel 3. In addition to the proposed field activities described in Section 7, additional characterization and delineation activities have been proposed in Roux's Soil Vapor Delineation and SVE Extended Pilot Test Workplan, dated September 1, 2023, and the updated Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls (shallow soil sampling near RR-3 in Parcel 3), dated August 25, 2023.

6. Conceptual Site Model

ASTM E1689-20 (Standard Guide for Developing Conceptual Site Models for Contaminated Sites) defines a conceptual site model (CSM) as a writ en and/or pictorial representation of an environmental system and the biological, physical, and chemical processes that determine the transport of contaminants from sources through environmental media to environmental receptors within the system. The CSM is based on all available information and identifies the potential risk(s) a site may pose to human health and/or the environment such that appropriate assessment or sampling strategies can be developed. The findings of these assessments may, in turn, be used to update the CSM.

A simplified CSM for the Site is presented in the table below, including only complete or potentially complete exposure pathways. The current use and expected future use of the property will consist of an industrial/commercial space. As discussed below, points of potential current and future human contact are limited to soil and indoor air. The Site may pose a risk to human receptors via exposure to COPCs in soils or via exposure to volatilized COPCs present in soil vapor.

Primary Source	Secondary Source	Exposure Media	Exposure Route	Receptor
Historical on Site Releases	Impacted Soil	Soil	Ingestion, dermal contact, or inhalation of particles	• Future Construction Worker • Future Outdoor Commercial/Industrial Worker
	Impacted Soil Vapor	Indoor Air	Inhalation	• Future Indoor Commercial/Industrial Worker

A steel mill occupied the Site from the 1950s until 2019 when milling operations were phased out. Historical processes on the Site may have introduced certain heavy metals (arsenic, lead, and cadmium) to shallow Site soils. As a result, these constituents have been shown to be present at concentrations that exceed regulatory thresholds in near-surface soils at a few specific locations. Therefore, a potentially complete exposure pathway exists for future construction workers and future commercial/industrial workers to be impacted by near-surface soils. This exposure could involve risk to human health resulting from inhalation, ingestion, and/or dermal contact with the potentially impacted materials.

Based on the available data, it appears that VOCs (primarily PCE, benzene, TCE and chloroform) associated with the former metal processing operations were released at the Site and impacted shallow soil vapor at Parcel 3. Conservatively considering the potential for vapor intrusion into a future on Site building, there is a potentially complete pathway for exposure of future construction workers and future commercial/industrial workers to inhalation risks associated with VOCs.

6.1 Soil Pathway

Aboveground portions and most footings of all former structures which supported or contained metal processing activities have been demolished. The Site will be redeveloped as commercial/industrial warehouse complex. The soil pathway is considered a complete exposure pathway for construction workers during Site redevelopment. Once construction is complete, present soil surfaces will be capped by either

concrete for building footings or asphalt for auto and truck traffic, mitigating the potential exposure to shallow soils.

6.2 Groundwater/Surface Water Pathway

Groundwater was not encountered during any previous investigations on the Site. A groundwater well is located on the Site, which is a regional monitoring well and is not used for production of potable or industrial process water. A previous Phase I ESA report reported that the well is approximately 728 feet deep, and groundwater has been measured at a depth of 378 feet bgs. Therefore, no complete exposure pathway exists.

6.3 Air Pathway

Given the presence of VOCs in soil vapor at the Site, the indoor air pathway is considered a potentially complete exposure pathway via vapor intrusion and inhalation of indoor air.

6.4 Data Gaps Evaluation

Based on a review of the Site's operational history and previous Site investigations, Roux has identified data gaps described in the following sections. The locations of areas in which data gaps exist are shown on Figures 5 through 8, and analytical data for each area is provided on the figures referenced below.

6.4.1 TPH in Soil (DRO)

DRO impacts to shallow soils were observed during the Ramboll and Roux Site investigations. Locations where those impacts are not fully delineated in Parcels 2 and 3 are summarized below and will be addressed by the proposed Additional Sampling Workplan presented in Section 7:

- Ramboll borings RSB-03 and RSB-05 were two of 24 borings drilled by Ramboll on a sitewide grid to evaluate slag material at the site; samples from these borings were analyzed for metals, VOCs, and TPH. Samples collected from RSB-03 (south of the former bundling station in the southeast corner of Parcel 3) and RSB-05 (near the rail spur on the west side of Parcel 2) contained diesel range organics (DRO) at concentrations greater than screening criteria, as did samples from subsequent step-out borings by Ramboll and Roux. Additional lateral delineation is needed to the northeast and southwest at the RSB-03 Area (Figure 13), and to the east and west at the RSB-05 Area (Figure 14).

- Boring RR-5, located on the rail spur east of RSB-03 in the southeast corner of Parcel 3 (Figure 12), contained diesel in the 0.5 foot sample at a concentration of 1,700 mg/kg, and is delineated vertically by the 1.5 foot sample (420 mg/kg) but not laterally in any direction.

- Boring RR-8, located on the rail spur north of the former parts warehouse in the northeast corner of Parcel 3 (Figure 12), contained diesel in the 0.5 foot sample at a concentration of 2,700 mg/kg, and is delineated vertically by the 1.5 foot sample (420 mg/kg) but not laterally in any direction.

- Boring RR-9, located on the rail spur northeast of RR-8 in Parcel 3 (Figure 12), contained diesel in both the 0.5 and 1.5 foot sample at concentrations of 1,300 mg/kg, and is not delineated vertically or laterally in any direction.

6.4.2 Metals in Soil

Lead, arsenic, and cadmium impacts to shallow soils were observed during the Ramboll and Roux Site investigations. Locations where those impacts are not fully delineated in Parcels 2 and 3 are summarized in the sections below and will be addressed by the proposed additional sampling described in Section 7.

6.4.2.1 Lead

Analytical results for lead were compared to the DTSC HERO Note 3 Industrial SL of 500 mg/kg. Two locations were identified with concentrations of lead exceeding this SL:

- Borings RSB-02, RSB-02W, and RSB-02-R2, located adjacent to the former warehouse and maintenance building in Parcel 2 (RSB-02 Area; Figure 10), contained lead at concentrations exceeding the SL (2,910 mg/kg, 2,040 mg/kg, and 1,700 mg/kg, respectively) in samples collected from 3 feet bgs. Lead impacts are delineated vertically by the five-foot bgs sample in the same borings but are not delineated laterally to the north, south, or west of RSB-02-R2.

- Borings RSB-57, RSB-57-W, RSB-57-S, and RSB-57-R4, located southeast of the former Roll Mill in Parcel 3 (RSB-57 Area, Figure 11), contained lead exceedances at 1 and 3 feet bgs. The exceedances at RSB-57-R4 are not delineated vertically or to the south, east, or west.

6.4.2.2 Arsenic

Analytical results for arsenic were compared to the DTSC HERO Note 3 Industrial SL of 0.36 mg/kg and the California Upper Confidence Limit and Background Concentrations of 12 mg/kg. While numerous samples Site-wide contained arsenic at concentrations exceeding the SL, only two locations were identified with concentrations of arsenic exceeding regional background levels, both adjacent to the on-Site rail spurs:

- Boring RR-12, located along the rail spur north of the former Main Office in Parcel 3 (Figure 12), contained arsenic concentrations greater than regulatory criteria and regional background levels at 0.5 and 1.5 feet bgs (13 and 14 mg/kg, respectively). These exceedances are not delineated vertically or laterally.

- Boring RR-14, located along the rail spur north of the former Melt Shop in Parcel 2 (Figure 12), contained elevated arsenic concentrations at 0.5 feet bgs (15 mg/kg), which is delineated vertically by the 1.5 foot sample in RR-14 but not laterally.

6.4.2.3 Cadmium

Analytical results for cadmium were compared to the DTSC HERO Note 3 Industrial SL of 79 mg/kg. Only one sample location contained cadmium at a concentration exceeding the SL:

- Boring RSB-43, located east of the former warehouse and maintenance building in the southeast corner of Parcel 2 (RSB-43 Area, Figure 10) contained a cadmium exceedance at 1 foot bgs (105 mg/kg), which is delineated vertically by the 3 foot sample in the same boring but is not delineated laterally.

6.4.2.4 Chromium

A majority of the 323 soil samples analyzed for total chromium during the 2020/2021 Ramboll and 2022 Roux investigations did not include analysis of hexavalent chromium (CrVI). Although there is no USEPA RSL or DTSC Note 3 screening level established for total chromium, the USEPA RSL User's Guide[8] notes that the RSLs were calculated assuming a CrVI to trivalent chromium (CrIII) ratio of 1:6 (or a CrVI to total chromium ratio of 1:7). Applying this assumption to the DTSC commercial/industrial SL for CrVI (6.2 mg/kg), we can imply an informal first-pass screening level for total chromium of 43.4 mg/kg. Seventy-seven of 321 soil samples analyzed for total chromium during the 2020/2021 Ramboll and 2022 Roux investigations contained concentrations greater than 43.4 mg/kg, including a maximum total chromium concentration of 2,460 mg/kg.

Though limited, there is Sitewide speciated chromium data available. The 2020 Phase II conducted by Ramboll analyzed 20 samples from 10 boring locations in Parcels 1, 2, and 3 for total chromium and CrVI. These twenty samples contained total chromium concentrations ranging from 6.6 to 1,540 mg/kg and CrVI concentrations ranging from 0.102 to 0.319 mg/kg (CrVI was not detected at concentrations greater than the laboratory reporting limit of 0.04 mg/kg in 18 of the 20 samples). Seven of these twenty samples contained total chromium concentrations greater than 43.4 mg/kg, none or which contained CrVI concentrations greater than the DTSC SL of 6.2 mg/kg. In addition, the 2001 PEA Report prepared by IT Corporation for Fontana Steel (Parcel 4) involved analysis of 8 samples for total chromium and CrVI from trenches filled with electric arc furnace (EAF) baghouse dust. The 2001 Parcel 4 EAF dust trench samples contained total chromium concentrations ranging from 9.8 to 1,200 mg/kg and CrVI concentrations ranging from 0.39 to 2.0 mg/kg.

None of the 28 samples from Parcels 1 through 4 exceeded the DTSC commercial/industrial screening level for CrVI of 6.2 mg/kg. Conservatively assuming each of the non-detectable results is a detection at the reporting limit, the CrVI to total chromium ratios for each of these samples range from 1:4800 to 1:49 and the average of the ratios is 1:255. Applying this average to the DTSC CrVI commercial/industrial CL yields a calculated site-specific total chromium screening level of 1,581 mg/kg. Of the 321 soil samples analyzed for total chromium during the 2020/2021 Ramboll and 2022 Roux Phase II investigations, only two samples from borings RSB-66 (2,460 mg/kg at 2 feet bgs) and RSB-67 (1,760 mg/kg at 1 foot bgs) contained concentrations greater than 1,590 mg/kg.

In addition to the fact that all detected concentrations of CrVI are below the DTSC SL of 6.2 mg/kg, this analysis reinforces the indication that site soils are not likely to be impacted by CrVI. However, to refine this analysis and reduce the effects of outliers, additional sampling is proposed in order to produce a more robust speciated chromium data set from areas where higher total chromium concentrations have been observed in previous investigations.

6.4.3 SVOCs in Soil

Analytical results for SVOCs were compared to the DTSC HERO Note 3 Industrial SLs. One SVOC, benzo(a)pyrene, was detected at a concentration exceeding the DTSC SL of 1.3 mg/kg in boring RR-13 at 1.5

[8] ht ps://www.epa.gov/risk/regional-screening-levels-rsls-users-guide#chromium; "although this may overestimate or underestimate the risk calculated"

feet bgs (1.8 mg/kg; Figure 12). This exceedance is not delineated vertically or laterally. Additional sampling is proposed in Section 7 to address this data gap.

6.4.4 PCBs in Concrete and Soil

PCBs have been identified at concentrations greater than DTSC commercial/industrial screening criteria in two areas of Parcel 3. During demolition of the former Roll Mill, a pink stained concrete slab was observed in the southwestern corner of the former building underneath a newer concrete slab. A 1998 Phase I ESA for the site prepared by Arcadis states that "PCB containing transformers were also formerly located in the FAR room (now the warehouse)" adding that a "new concrete floor has been added during the remodeling of the building." The Phase I did not contain any photographs or maps identifying the FAR room, but a 1983 TAMCO Property Layout labels a room in the approximate position of the pink stained concrete as FAB, with other Ameron (1981) and Tamco (1984) maps noting a Fabrication Shop. The PCB impacts are documented in a Technical Memorandum dated August 25, 2023, and PCB impacted concrete has been delineated consistent with the Toxic Substances Control Act (TSCA) laterally to the north, south, and west, with additional delineation needed to the east.

As documented by a separate Technical Memorandum dated August 25, 2023, PCBs were also detected at concentrations greater than DTSC screening criteria in shallow soils at boring RR-3 in the southeast corner of Parcel 3. PCB impacted soils have been delineated to the east, west, and south with additional delineation needed to the north.

Additional sampling and removal activities related to PCB impacts at the Site will be addressed separately and are not discussed further in Section 7.

6.4.5 VOCs in Soil Vapor

Several VOCs have been identified in soil vapor at the Site by Roux and Ramboll, with PCE, TCE, benzene, and chloroform observed at concentrations exceeding regulatory screening criteria in Parcels 2, 3, and 4. The most widespread impacts are associated with historical maintenance operations in Parcel 3, with limited exceedances observed in Parcels 2 and 4 which are generally associated with historical operational features.

The lone PCE exceedance in Parcel 4 (90 micrograms per cubic meter [µg/m^3] at 5 feet bgs in RSB-61, greater than the DTSC SL of 67 µg/m^3) was fully delineated with step-out samples collected during Roux's subsurface investigation in November 2021. Soil vapor data gaps in Parcels 2 and 3 are described in the sections that follow.

6.4.5.1 Soil Vapor in Parcel 2

Chloroform analytical results were greater than the USEPA RSL of 18 µg/m^3 at two locations in Parcel 2 (RSB-25 Area and RSB-32 Area; Figure 18):

- Chloroform was detected at 5 and 15 feet bgs (60 and 260 µg/m^3, respectively) in Ramboll boring RSB-25, which was located near an emergency generator and the excavation footprint of a former diesel UST in the northwest portion of Parcel 2. Although no fuel related VOCs were detected in soil vapor, chloroform was detected at concentrations exceeding regulatory screening criteria (18 µg/m^3) in both samples, with no lateral delineation in any direction.

- Chloroform was also detected at a concentration greater than the regulatory criteria in the 30 foot sample at Ramboll boring RSB-32, targeting a cooling water channel in the southeast corner of Parcel 2. Chloroform was detected below regulatory criteria in the 5 foot sample at the same boring.

Proposed sampling to delineate chloroform impacts in Parcel 2 is detailed in Section 7.

6.4.5.2 Soil Vapor in Parcel 3

Based on the results of Ramboll's and Roux investigation, Roux concluded the following about VOC impacts including PCE, benzene, TCE, and chloroform, to soil vapor in Parcel 3:

- PCE and benzene were both detected at concentrations exceeding regulatory screening criteria (67 and 14 µg/m^3, respectively) at five feet bgs in Parcel 3 (Figures 19 and 20), with the benzene impacts fully delineated laterally. There were no exceedances of TCE or chloroform in soil vapor samples collected at 5 feet bgs in Parcel 3.
- PCE, benzene, TCE, and chloroform were detected at concentrations exceeding regulatory screening criteria (100 µg/m^3 for TCE and 18 µg/m^3 for chloroform) at 15 feet bgs in Parcel 3 (Figures 21 through 24).
- At 35 feet bgs, PCE, TCE, and chloroform were detected at concentrations exceeding regulatory screening criteria. Benzene was not detected in any soil vapor samples collected at 35 feet bgs, or at 30 feet from borings RSB-28 and RSB-29 (Figures 25 through 27).

Additional delineation of PCE (5, 15, and 35 feet bgs), benzene (15 feet bgs), TCE (15 and 35 feet bgs), and chloroform (15 and 35 feet bgs) has been proposed in the Soil Vapor Delineation and Soil Vapor Extraction Extended Pilot Test Workplan submit ed to DTSC on September 1, 2023, and is not further discussed herein.

7. Supplemental Site Investigation Workplan

The data gaps detailed in Section 6 will be addressed by the activities and procedures listed in the following workplan. Work will be performed under responsible charge of a California-registered Professional Geologist or Professional Civil Engineer.

7.1 Pre-Field Activities

7.1.1 DigAlert & Geophysical Survey

Prior to intrusive work, Roux will pre-mark the Site with white paint and notify Underground Service Alert of Southern California (DigAlert) at least 48 hours in advance of drilling to demarcate utilities coming to and through the Site. Previous geophysical surveys conducted by Roux at the Site provide coverage to a majority of the proposed boring locations. In the event a boring location falls outside (or is moved outside) of previously surveyed areas, a private geophysical services and utility locating firm will be contracted to evaluate the proposed boring locations and mitigate the risk of disrupting potentially buried utility lines. As part of the investigation, the geophysical services company may use a variety of tools, including ground penetrating radar (GPR), radio detection (RD-4000), Dynatel diagnostic testing equipment, and M-Scope metal detection equipment, as appropriate. The intended drilling locations may be modified or relocated, as necessary, to avoid detected or suspected subsurface utilities and structures.

7.1.2 Health and Safety Plan

Roux has prepared a Site-specific Health and Safety Plan (HASP) to identify significant risks and hazards potentially encountered during implementation of field work, which is included in Appendix C. During the implementation of field work, exclusion and work zones will be clearly demarcated with orange cones, delineators, and/or caution tape to indicate limited access areas for drilling and sampling activities. Field workers will acknowledge their familiarity with all safety procedures and indicate their intent to follow the HASP by signing the HASP after tailgate safety meetings, which will take place at the beginning of each field day. All personnel working in the exclusion zone will be Occupational Safety and Health Administration trained, consistent with federal regulation 29 CFR 1910.120.

7.2 Field Activities

7.2.1 Soil Borings and Sampling

Proposed sample locations and depths are summarized in the Sampling and Analysis Plan (SAP; Table 3), Figures 10 through 17, and Sections 7.2.2 through 7.2.4 below. Standard operating procedures (SOPs) for sample collection and decontamination are included in Appendix D. Soil boring will be hand augered to the depths listed in Table 3 for the collection of soil samples. Soil samples will be collected directly from the hand auger into laboratory provided 8-oz. glass jars. Care will be taken to exclude concrete, asphalt, plant debris, and other foreign objects. The jars will be filled and gently compacted by hand to ensure minimal void space. All soil samples will be labeled with the boring ID, date, time, and depth per the SAP. Additional samples may be collected and held by the laboratory pending initial analytical results. Soil samples will be delivered on ice and under chain-of-custody protocol, to Eurofins Calscience of Tustin, California, a California state-certified laboratory.

Soils encountered during hand augering will be classified based on the Unified Soil Classification System (USCS) and ASTM International Standard ASTM-D 2488 "*Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)*."

7.2.2 DRO Delineation in Soil

Consistent with previous investigations, proposed borings are spaced at approximately 25-foot intervals from existing borings. The following samples will be collected and analyzed for DRO (C10-C28) by USEPA Method 8015B.

RSB-03

Roux proposes six soil borings (RSB-03-R6 to RSB-03-R11) to the north and east of RSB-03-R5, west and south of RSB-03-R1, and south, east, and west of RSB-03-R2 (Figure 13). A total of 6 soil samples (not including duplicates) are proposed to be collected at 1 feet bgs from each location. Additional soil samples will be collected from each boring at 3 feet bgs and held by the laboratory pending analytical results for the shallower sample set.

RSB-05

Roux proposes nine soil borings (RSB-05-R5-R, RSB-05-R6-R, RSB-05-R7-R and RSB-05-R8 to RSB-05-R13) to the north, west, and south of RSB-05-R2 at 1 feet bgs, east of RSB-05-S2 at 1 foot bgs, to the north, east, and south of RSB-05-R6 at 1 feet bgs, east of RSB-05-S at 3 feet bgs, and at RSB-05-R6 at 3 feet bgs (Figure 14). Additional deeper soil samples will be collected from each boring and held by the laboratory pending analytical results for the shallower sample set.

RR-5, RR-8, and RR-9

Roux proposes thirteen borings to delineate DRO impacts in the vicinity of RR-5, RR-8, and RR-9 (Figure 12):

- Borings approximately 10 feet to the north, south, east, and west of RR-5, with samples collected from 0.5 feet bgs from each boring;
- Borings approximately 10 feet to the north, south, east, and west of RR-8, with samples collected from 0.5 feet from each boring; and
- Borings approximately 10 feet to the north, south, east, and west of RR-9, with samples collected from 0.5 and 1.5 feet bgs from each boring. In addition, a sample will be collected from 3 feet bgs from a replicate boring at the approximate location of RR-9 (RR-9-R).

Additional deeper soil samples will be collected from each boring and held by the laboratory pending analytical results for the shallower sample set.

1.2.3 Metals in Soil

7.2.3.1 Lead Delineation

The following samples will be collected and analyzed for lead by USEPA Method 6010B.

RSB-02

Roux proposes three soil borings (RSB-02-R4 to RSB-02-R6) ten feet to the north, east, and south of RSB-02-R2 (Figure 10). A total of three soil samples (not including duplicates) are proposed to be collected at 3 feet bgs.

RSB-57

Roux proposes four soil borings (RSB-57-R4-R, RSB-57-R6 to RSB-57-R8) ten feet to the east, west, and south of RSB-57-R4 (Figure 11). A total of seven soil samples (not including duplicates) are proposed to be collected at depths of 1 and 3 feet bgs from each boring, exception for RSB-57-R4-R where a 5-foot sample will be collected.

7.2.3.2 Arsenic Delineation

The following samples will be collected and analyzed for arsenic by USEPA Method 6010B.

RR-12

Roux proposes five borings to delineate arsenic impacts in the vicinity of boring RR-12 (Figure 12). At RR-12-R a soil sample will be collected at 3 feet bgs. Four step-out borings will be advanced approximately 10 feet to the north, south, east, and west of the RR-12, with soil samples collected at 0.5 and 1.5 feet bgs.

RR-14

Roux proposes four step-out borings to the north, south, east, and west of boring RR-14 (Figure 12). Step-out borings will be located approximately 10 feet away from the original boring in each cardinal direction, and soil samples will be collected from each step-out boring at 0.5 feet bgs.

7.2.3.3 Cadmium Delineation

The following samples will be collected and analyzed for cadmium by USEPA Method 6010B.

RSB-43

Roux proposes four step-out borings to the north, south, east, and west of the RSB-43 (Figure 10). Step-out borings will be located approximately 10 feet away from the original boring in each cardinal direction, and soil samples will be collected from each step-out boring at 1 foot bgs.

7.2.3.4 Chromium VI Sampling

To generate additional speciated chromium data to support the analysis of potential CrVI impacts at the Site, Roux proposes to collect samples from the following boring locations with previously-detected elevated total chromium concentrations (Figure 28):

- RSB-04 at 3 feet bgs (Parcel 1, total chromium 676 mg/kg)
- RSB-66 at 2 feet bgs (Parcel 1, total chromium 2,460 mg/kg)
- RSB-05 at 1 foot bgs (Parcel 2, total chromium 542 mg/kg)
- RSB-17 at 1 foot bgs (Parcel 2, total chromium 813 mg/kg)
- RSB-25 at 1 foot bgs (Parcel 2, total chromium 842 mg/kg)
- RSB-36 at 3 feet bgs (Parcel 2, total chromium 1,060 mg/kg)
- RSB-67 at 1 foot bgs (Parcel 2, total chromium 1,760 mg/kg)

- RR-4 at 0.5 feet bgs (Parcel 3, total chromium 600 mg/kg)
- RR-12 at 1.5 feet bgs (Parcel 3, total chromium 770 mg/kg)

Each sample will be analyzed for total chromium by USEPA Method 6010B and CrVI by USEPA Method 7199.

7.2.4 SVOC Delineation in Soil

Roux proposes five borings to delineate benzo(a)pyrene impacts in the vicinity of boring RR-13 (Figure 12). At RR-13-R a soil sample will be collected at 3 feet bgs. Step-out borings will be located approximately 10 feet away from the original boring in each cardinal direction (4 borings total). Soil samples will be collected from each step-out boring at 0.5 feet bgs. Each sample will be analyzed for benzo(a)pyrene by USEPA Method 8270C.

7.2.5 VOC Delineation in Soil Vapor at Parcel 2

A California licensed driller will drill 5 soil vapor borings (RSB-25-R1 through R4 and RSB-32-R; Figure 18) to 15 feet bgs using a direct-push drilling rig. Dual-nested soil vapor probes will be installed at 5 and 15 feet bgs in borings located approximately 25 feet north, south, east and west of RSB-25 (RSB-25-R1 through R4). A single-nested soil vapor probe will be installed at 15 feet bgs (RSB-32-R) at the approximate location of former soil vapor sample RSB-32.

All soil vapor probes will be installed in general accordance with the *Advisory - Active Soil Gas Investigations* published by DTSC in July 2015 and will consist of a new stainless-steel filter probe tip with a 1/4 -inch push-to-connect fitting at ached to 1/4-inch diameter Teflon tubing. The probes will be constructed by first placing approximately six inches of #3 coarse-grained sand into the bot om of the borehole. The sampling tubing with the filter probe tip will then be placed within the borehole. Additional sand will be placed in the borehole to create an approximately one-foot sand pack interval around the vapor tip. Approximately one foot of dry granular bentonite will be placed on top of the sand pack, followed by hydrated bentonite to the surface. The tubing will be labeled with depth of placement and capped using a gas-tight valve set to the "off" position.

Soil vapor samples will be collected from the nine probes installed in RSB-25-R1 through R4 and RSB-32-R. Prior to purging or sampling, a minimum 60-second shut-in test at a vacuum of 100 inches of water will performed at each probe to confirm that the above-ground lines and three-way valves are properly sealed. Upon completion of the shut-in test, three purge volumes of air will be extracted from the probe at a flow rate of 200 milliliters per minute (mL/min). A leak check compound, 1,1-difluoroethane (1,1-DFA), will be utilized during sampling and will be included among the laboratory analyte list. A vacuum gauge will be used to ensure the applied vacuum remained below 100 inches of water during purging and sampling.

Soil vapor samples will be collected in one-liter batch-certified SUMMA® canisters equipped with 200 mL/min flow controllers. Upon collection, each sample will be labeled with a unique sample identifier and transported under proper chain-of-custody procedures to Eurofins Calscience of Tustin, California, to be analyzed for VOCs via USEPA Method TO-15.

7.2.6 Decontamination Procedures

Drilling and sampling equipment will be cleaned prior to first use and between borings and sampling at empts as appropriate. Equipment cleaning will include an Alconox® detergent scrub followed by distilled water rinses.

7.2.7 Quality Assurance/Quality Control

Field duplicates will be collected as a check for sample homogeneity and laboratory precision. The duplicate samples will be collected, labeled, packaged and sealed in the same manner as the primary sample, and analyzed for the same suite of analytes. Duplicate samples will be collected at a rate equal to 10% of the number of primary samples and at minimum of one per day. The effectiveness of the decontamination process will be evaluated by collecting and analyzing one equipment decontamination blank sample per day of field work.

7.2.8 Surveying

Soil boring locations will be mapped using a handheld Global Positioning System (GPS) with an integrated beacon and satellite differential antenna. Differential GPS measurements typically have horizontal accuracy radii of less than 1 meter when five or more satellites signals are available.

7.2.9 Investigation Derived Waste

Investigation derived waste (IDW) generated from drilling and decontamination activities will be containerized in 55-gallon drums. The drums will be labeled, temporarily stored on Site, and then disposed off-Site under proper manifest following the completion of field activities.

7.2.10 Reporting

Upon performance of the field activities and receipt of the final laboratory reports, Roux will prepare a Supplemental Site Investigation Report documenting results of the investigation field observations, supporting figures and tables, boring logs, and laboratory reports. An HHSE will be prepared incorporating all recent sampling data as a standalone document and will be appended to the Supplemental Site Investigation Report.

Sample analytical results will be compared to the following soil screening levels:

- USEPA RSLs, dated November 2022 (USEPA, 2022);
- DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3 Screening Levels (DTSC SLs), dated May 2022 (DTSC, 2022);
- DTSC HERO HHRA Note Number 11 Southern California Ambient Arsenic Screening Level (DTSC, 2020);
- San Francisco Regional Water Quality Control Board Environmental Screening Levels for TPH (SFRWQCB, 2019); and,

- Kearney Foundation Special Report, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, Background Concentrations of Trace and Major Elements in California Soil (Kearney, 1996)

7.2.11 Implementation Schedule

In addition to the proposed field activities described in Section 7 of this Report, additional characterization and delineation activities have been proposed in the *SV Delineation and SVE Extended Pilot Test Workplan* (soil vapor sampling in Parcel 3) and the updated *Technical Memorandum, Targeted Shallow Soil Investigation for Polychlorinated Biphenyls* (shallow soil sampling near RR-3 in Parcel 3). The schedule below provides a general implementation schedule from Workplan submit al to remedial action plan (RAP) or remedial action workplan (RAW) submit al.

Additional Investigation Workplan (Section 7, Roux CCR)

- 10/25/23 – CCR submit ed to DTSC
- 10/30/23 – "At-risk" implementation of SSI Workplan
- 11/29/23 – DTSC approval of SSI Workplan included in CCR
- 12/15/24 – Supplemental Site Investigation (SSI) Report (and HHSE) to DTSC
- 1/31/24 – DTSC approval of SSI/HHSE

VOCs (SV Delineation and SVE Extended Pilot Test Workplan)

- 9/1/23 – SV Delineation and SVE Extended Pilot Workplan to DTSC
- 10/01/23 – DTSC approval of Workplan
- 9/18/23 to 10/13/23 – Implementation of Delineation Sampling
- 10/25/23 to 11/21/23 – Extended Pilot Test
- 10/18/2023 – Data transmit al to DTSC & discussion re: Pilot Test startup
- 11/6/2023 – Soil Vapor Report Submit to DTSC
- 12/27/23 – Pilot Test Report Submit to DTSC

PCBs (Targeted Shallow Soil Investigation for PCBs)

- 8/25/23 – PCB Characterization TMs submit ed to DTSC
- 10/15/23 – DTSC approval of additional delineation in RR-3 TM
- 11/1/23 – Implementation of RR-3 additional delineation

Slag Memorandum

- 8/25/23 – Slag TM to DTSC
- 10/01/23 – DTSC approval of Slag TM
- 10/24/23 – Submit al of Leaching Modeling Workplan to DTSC
- 11/17/23 – DTSC approval of Leaching Modeling Workplan
- 12/12/23 – Slag Potential Leaching Report

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TABLES

1. Summary of Impacted Areas

2a. Summary of Sampling Results – Soil

2b. Summary of Sampling Results – Soil Vapor

3. Sampling Analysis Plan: Supplemental Site Investigation Workplan

Table 1
Regulatory or Delineation Status of Impacted Areas
12451 Arrow Route, Rancho Cucamonga, California

Area	Description	Parcel(s)	Summary	Regulatory Agency	Status	Section(s) of CCR
Closed Areas						
Green Area in Parcels 1 and 2	Metals-contaminated soil remediation	Parcels 1 and 2	In 1990, 3,300 cubic yards of metals-impacted soils were excavated and treated through chemical fixation. Treated soils were sampled to confirm effectiveness of treatment, and stockpiled at southwestern portion of Parcel 2 for on-Site use as foundation material, sub-base for concrete slabs, and/or as road base for internal haul roads.	SA-RWQCB	Cleanup documented in an October 1990 Closure Plan. NFA letter issued by SA-RWQCB on November 7, 1990.	Section 3.2
Purple Area in Parcel 2	Slag stockpile evaluation and remediation	Parcel 2	Sampling was conducted at a slag stockpile in the northwestern corner of Parcel 2 to evaluate whether the slag stockpile had affected the underlying soil. Native soil samples and slag samples had low metals concentrations. By contrast the non-slag materials had elevated concentrations of all metals, including lead and zinc. A pilot test was conducted under SBCFD oversight, which inidcated that roatry drum separation prior to treatment or offsite disposal was a successful option. Following remediation of the approximately 41,150 cubic yard stockpile, SBCFD issued a letter to TAMCO on July 2, 2002 confirming that no further action was required.	SBCFD	Cleanup documented in Remediation Completion Report dated June 2001. SBCFD issued NFA letter on July 2, 2002.	Sections 3.3, 3.8
	Baghouse waste disposal	Parcel 2	In 1993, baghouse waste at Parcel 2 was further investigated when the waste was reportedly irradiated when a canister containing radioactive cesium inadvertently went into the furnace resulting in baghouse waste with radioactivity. A portion of the radioactive baghouse waste was reportedly disposed of at the Kettleman Hills chemical waste management facility, not permitted to accept radioactive waste. USEPA then conducted testing at the Kettleman Hills facility and concluded that the waste could remain in place because the quantity and concentration of the radioactive material did not pose a significant health or safety risk. Additional radioactive waste was placed into 1,752 drums and taken to US Ecology in Richland, Washington, permitted to accept radioactive waste.	Cal EPA, DTSC	The January 4, 1994 URS Preliminary Assessment concluded that further remedial site assessment under CERCLA was not required	Section 3.5
Orange Area in Parcel 2	Pad 16 remediation	Parcel 2	In January 2005, DTSC identified an area at the northern portion of Parcel 2 (Pad 16) to be impacted with metals from scrap metals storage operations. In November 2005, impacted soil was excavated and confirmation soil samples were collected. The Remediation Completion report, dated January 27, 2006, stated that metal impacted soils had been successfully removed and the area had been backfilled and paved to prevent future recontamination. In May 2007, DTSC and TAMCO entered into a Consent Order acknowledging that the contaminated soils were remediated and control measures were instituted to prevent future contamination.	DTSC	May 2, 2007 Consent Order between DTSC and TAMCO confirms completion of remedial action and implementation of control measures.	Section 3.10
Southern/Central Parcel 2	300-gallon diesel UST	Parcel 2	In 2010, the SBCFD oversaw the removal of one 300-gallon diesel UST located at the southern/central portion of Parcel 2. After removal of the UST in November 2010, one confirmation soil sample was collected and reportedly contained DRO and BTEX concentrations greater than screening criteria. On March 7, 2011, the SBCFD issued a letter of no further action to TAMCO for successful completion of UST removal activities. Between 2020 and 2021, soil and soil vapor samples were collected by Ramboll (RSB-25) between 1 and 15 feet bgs and shallow soil samples were collected by Roux (SB-1) between 1 and 3 feet bgs with no TPH and metals (soil) or VOC (soil and soil vapor) detections exceeding applicable screening criteria.	SBCFD	SBCFD issued NFA letter on March 7, 2011	Sections 3.13, 3.17, 3.20
Southern Parcel 2	10,000-gallon diesel UST within former Melt Shop	Parcel 2	In 2023, one 10,000-gallon diesel UST was removed from within the former footprint of the former Melt Shop at the southern portion of Parcel 2. The UST was discovered by BTC in April 2023 during facility wide demolition activities. Confirmation soil samples were collected after removal. On August 29, 2023, the SBCFPD issued a letter to BTC III approving UST closure	SBCFPD, RCFPD	SBCFPD issued NFA letter on August 29, 2023	Section 3.27
East Parcel 3	50,000-gallon fuel oil USTs adjacent to Roll Mill	Parcel 3	Four 50,000-gallon fuel oil USTs were removed from the western portion of Parcel 3 in November 1993. Over-excavation was conducted at two eastern USTs to address discovered soil contamination following UST removal. Additional diesel-impacted soils were subsequently removed and disposed of offsite, after which clean confirmation samples were collected.	SBCEHSD	SBCEHSD issued a letter of Remedial Action Completion Certification and NFA on April 28, 1994.	Section 3.4
Southwest Parcel 3	Four aboandoned in-place 12,000-gallon diesel/fuel oil USTs	Parcel 3	In 2006, four abandoned-in-place 12,000-gallon diesel/fuel oil USTs located at the southwestern portion of Parcel 3 were removed. After removal of the USTs in May 2006, confirmation soil samples were collected. On October 6, 2006, the SBCFD issued a letter of no further action to TAMCO for successful completion of UST removal activities.	SBCFD	SBCFD issued NFA letter on October 6, 2006	Section 3.11
Northwest Parcel 3	Dual-compartment 12,000-gallon UST	Parcel 3	In 2022, one dual-compartment 12,000-gallon UST (2,000-gallon gasoline and 10,000-gallon diesel) was removed from the northwestern corner of Parcel 3. After removal of the UST and dispenser island in December 2022, confirmation soil samples were collected. On July 18, 2023, the SBCFPD issued a letter to BTC III approving UST closure.	SBCFPD, RCFPD	SBCFPD issued NFA letter on July 18, 2023	Section 3.26
Yellow Area in Parcel 4	Baghouse dust trench disposal and remediation	Parcel 4	Ameron used Parcel 4 for storage and disposal of baghouse dust wastes generated by roll mill operations in the 1970s. Baghouse dust was reportedly buried in three trenches on the south part of Parcel 4. In 1987, approximately 4,000 cubic yards of baghouse dust were excavated, treated, and disposed of offsite, and the excavations were backfilled with slag. Soil samples were collected from the former trench areas as part of a 2001 Preliminary Endangerment Assessment to confirm residual risk was within acceptable thresholds for commercial/industrial use. According to the PEA Report, the health risk and hazard associated with inorganic COPCs in soil and backfill at the site are within acceptable levels and no further investigation or remedial action is recommended.	DTSC	NFA associated with PEA was issued by DTSC on December207, 2001.	Sections 3.1, 3.9
East Parcel 4	12,000-gallon diesel UST	Parcel 4	In 2014, the SBCFD oversaw the removal of one 12,000-gallon diesel UST located at the southeastern portion of Parcel 4. After removal of the UST and dispenser island in August 2014, confirmation soil samples were collected. On October 29, 2014, the SBCFD issued a letter of no further action to CMC Steel Fabricators for successful completion of UST removal activities.	SBCFD	SBCFD issued NFA letter on October 29, 2014	Section 3.14

Table 1
Regulatory or Delineation Status of Impacted Areas
12451 Arrow Route, Rancho Cucamonga, California

Area	Description	Parcel(s)	Summary	Regulatory Agency	Status	Section(s) of CCR
Open Areas						
RSB-05 Area	TPH in Soil (DRO) Delineation	Parcel 2	Samples collected from RSB-05 (near the rail spur on the west side of Parcel 2) contained DRO at concentrations greater than screening criteria, as did samples from subsequent step-out borings. Additional lateral delineation is needed to the east and west at RSB-05.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2.2	Section 6.4.1, 7.2.2
RSB-02 Area	Metals in Soil (Lead) Delineation	Parcel 2	Borings RSB-02, RSB-02W, and RSB-02-R2, located adjacent to the former warehouse and maintenance building in Parcel 2, contained lead concentrations exceeding the screening criteria in samples collected from 3 feet bgs. Lead impacts are delineated vertically by the five-foot bgs sample in the same borings but are not delineated laterally to the north, south, or west of RSB-02-R2.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2.3	Section 6.4.2, 7.2.3.1
RR-14 Area	Metals in Soil (Arsenic) Delineation	Parcel 2	Boring RR-14, located along the rail spur north of the former Melt Shop in Parcel 2, contained elevated arsenic concentrations at 0.5 feet bgs, which is delineated vertically by the 1.5 foot sample in RR-14 but not laterally.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2.3	Section 6.4.2, 7.2.3.2
RSB-43 Area	Metals in Soil (Cadmium) Delineation	Parcel 2	Boring RSB-43, located east of the former warehouse and maintenance building in the southeast corner of Parcel 2 contained a cadmium exceedance at 1 foot bgs, which is delineated vertically by the 3 foot sample in the same boring but is not delineated laterally.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2.3	Section 6.4.2, 7.2.3.3
RSB-25 and RSB-32 Areas	VOCs in Soil Vapor	Parcel 2	Chloroform was detected at 5 and 15 feet bgs in boring RSB-25, which was located near an emergency generator and the excavation footprint of a former diesel UST in the northwest portion of Parcel 2. Chloroform was detected at concentrations exceeding regulatory screening criteria in both samples, with no lateral delineation in any direction. Chloroform was also detected at a concentration greater than the regulatory criteria in the 30 foot sample at boring RSB-32, targeting a cooling water channel in the southeast corner of Parcel 2. Chloroform was detected below regulatory criteria in the 5 foot sample at the same boring. Further vertical and lateral delineation is warranted.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2.5	Section 6.4.5, 7.2.5
RSB-03 Area	TPH in Soil (DRO) Delineation	Parcel 3	Samples collected from RSB-03 (south of the former bundling station in the southeast corner of Parcel 3) contained DRO at concentrations greater than screening criteria, as did samples from subsequent step-out borings. Additional lateral delineation is needed to the northeast and southwest at RSB-03.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2.2	Section 6.4.1, 7.2.2
RR-5 Area	TPH in Soil (DRO) Delineation	Parcel 3	Borings RR-5, located on the rail spur east of RSB-03 in the southeast corner of Parcel 3, and RR-8, located on the rail spur north of the former parts warehouse in the northeast corner of Parcel 3, contained diesel in the 0.5 foot sample above the screening criteria, and are delineated vertically by the 1.5 foot sample, but not laterally in any direction.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2.2	Section 6.4.1, 7.2.2
RR-9 Area	TPH in Soil (DRO) Delineation	Parcel 3	Boring RR-9, located on the rail spur northeast of RR-8 in Parcel 3, contained diesel in both the 0.5 and 1.5 foot samples at concentrations exceeding the screening criteria, and is not delineated vertically or laterally in any direction.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2.2	Section 6.4.1, 7.2.2
RSB-57 Area	Metals in Soil (Lead) Delineation	Parcel 3	Borings RSB-57, RSB-57-W, RSB-57-S, and RSB-57-R4, located southeast of the former Roll Mill in Parcel 3, contained lead exceedances at 1 and 3 feet bgs. The exceedances at RSB-57-R4 are not delineated vertically or to the south, east, or west.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2.3	Section 6.4.2, 7.2.3.1
RR-12 Area	Metals in Soil (Arsenic) and SVOCs in Soil Delineation	Parcel 3	Boring RR-12, located along the rail spur north of the former Main Office in Parcel 3, contained arsenic concentrations greater than regulatory criteria and regional background levels at 0.5 and 1.5 feet bgs. Additionally, One SVOC, benzo(a)pyrene, was detected at a concentration exceeding the screening criteria in boring RR-12 at 1.5 feet bgs. These exceedances are not delineated vertically or laterally.	DTSC	Delineation incomplete; additional sampling proposed in Section 7.2	Section 6.4.2, 6.4.5, 7.2.3.2, 7.2.4
Roll Mill	PCBs in Concrete and Soil Delineation	Parcel 3	During demolition of the former Roll Mill, a pink stained concrete slab was observed in the southwestern corner of the former building underneath a newer concrete slab. The concrete slab was identified to be impacted with PCBs. PCB impacted concrete has been delineated consistent with TSCA laterally to the north, south, and west, with additional delineation needed to the east.	DTSC	Delineation complete, with exception of inaccessible enclosure to the east (active electrical equipment), Roll Mill PCB TM dated August 25, 2023.	Section 6.4.4
RR-3 Area	PCBs in Concrete and Soil Delineation	Parcel 3	PCBs were detected at concentrations greater than DTSC screening criteria in shallow soils at boring RR-3 in the southeast corner of Parcel 3. PCB impacted soils have been delineated to the east, west, and south with additional delineation needed to the north.	DTSC	Delineation incomplete; additional sampling proposed in RR-3 PCB TM dated August 25, 2023.	Section 6.4.4
Parcel 3 VOCs in SV Area	VOCs in Soil Vapor	Parcel 3	PCE, TCE, benzene, and chloroform were detected at concentrations exceeding regulatory screening criteria at depths ranging from 5 to 35 feet bgs in Parcel 3.	DTSC	Delineation incomplete, additional sampling proposed in Soil Vapor and Soil Vapor Extraction Extended Pilot Test Workplan dated September 1, 2023.	Section 6.4.5
Former Clarifier in Parcel 4	VOCs in Soil Vapor	Parcel 4	PCE concentrations in soil vapor were previously identified on Parcel 4 exceeding the screening criteria for the sample located at 5 feet bgs in RSB-61. These impacts were fully delineated with step-out samples.	DTSC	Delineation complete	Section 6.4.5

Table 2a
Summary of Sampling Results - Soil
12451 Arrow Route, Rancho Cucamonga, California

Area of Historical Operations	Boring ID	Date(s)	Consultant	Sample depth(s) (feet bgs)	Analyses [1]	Results Summary and Proposed Delineation
Parcel 1						
Railroad spur	RR-17	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH	Results below SLs
Sitewide grid - No impacts found	RSB-01	12/17-18/20 and 1/6/20	Ramboll	1, 3, 5	Metals (+CrVI at 3 ft), VOCs, TPH	Results below SLs
	RSB-04	12/17/20 and 1/6/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-04-CL	1/26/21	Ramboll	10, 15	Thallium [2]	
	RSB-04-E	1/28/21	Ramboll	5, 10, 15	Thallium [2]	
	RSB-04-N	1/28/21	Ramboll	5, 10, 15	Thallium [2]	
	RSB-04-S	1/28/21	Ramboll	5, 10, 15	Thallium [2]	
	RSB-04-W	1/28/21	Ramboll	5, 10, 15	Thallium [2]	
	RSB-08	12/17/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-16	12/16/20 and 1/6/20	Ramboll	1, 3, 4, 5	Metals, VOCs, TPH	
	RSB-19	12/16/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-21	12/16/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	
Slag evaluation (site-wide)	RSB-66	1/6/21	Ramboll	2, 3, 5, 10, 15, 20, 25	Metals, VOCs, TPH	Results below SLs
Parcel 2						
Railroad spur	RR-13	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	Arsenic detected above SL at RR-14 at 0.5 feet bgs. Additional sampling proposed to delineate arsenic impacts in the vicinity of RR-14. Results below SLs at all other sample locations.
	RR-14	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH	
	RR-15	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	
	RR-16	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH	
	RR-18	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	
	RR-19	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	
Sitewide grid - No impacts found	RSB-06	12/29/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	Results below SLs
	RSB-09	12/17/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-10	12/17/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-13	12/18/20 and 1/6/21	Ramboll	1, 3, 5	Metals (+CrVI at 1 ft), VOCs, TPH	
	RSB-14	12/17/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-15	12/17/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-17	12/16/20 and 1/7/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-18	12/17/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	
Sitewide grid - RSB-02 Area	RSB-02	1/4/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	Lead detected above SLs in sample collected from 3 feet bgs at RSB-02. Additional step-out samples collected to delineate lead in the RSB-02 Area. Additional sampling proposed to complete lead delineation in RSB-02 Area.
	RSB-02-E	1/26/21	Ramboll	1, 3, 5	Lead	
	RSB-02-N	1/26/21	Ramboll	1, 3, 5	Lead	
	RSB-02-S	1/26/21	Ramboll	3, 5	Lead	
	RSB-02-W	1/26/21	Ramboll	1, 3, 5	Lead	
	RSB-02-R1	11/4/21	Roux	1, 3	Lead	
	RSB-02-R2	11/4/21	Roux	1, 3, 5	Lead	
	RSB-02-R3	11/4/21	Roux	1, 3	Lead	
Sitewide grid - RSB-05 Area	RSB-05	12/18/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	DRO detected above SLs in sample collected from 1 foot bgs at RSB-05. Additional step-out samples collected to delineate TPH in the RSB-05 Area. Additional sampling proposed to complete TPH delineation in RSB-05 Area.
	RSB-05-E	1/26/21	Ramboll	1, 3	TPH	
	RSB-05-N	1/26/21	Ramboll	3	TPH	
	RSB-05-S	1/26/21	Ramboll	1, 3	TPH	
	RSB-05-W	1/26/21	Ramboll	1, 3	TPH	
	RSB-05-S2	2/11/21	Ramboll	0.5, 3, 5, 10	TPH-DRO	
	RSB-05-SCL	2/11/21	Ramboll	0.5, 3, 5, 10	TPH-DRO	
	RSB-05-SSE	2/11/21	Ramboll	0.5, 3, 5, 10	TPH-DRO	
	RSB-05-SSW	2/11/21	Ramboll	0.5, 3, 5, 10	TPH-DRO	
	RSB-05-R1	11/4/21	Roux	1, 3	TPH-DRO	
	RSB-05-R2	11/4/21	Roux	1, 3	TPH-DRO	
	RSB-05-R3	11/4/21	Roux	1, 3	TPH-DRO	
	RSB-05-R4	11/4/21	Roux	1	TPH-DRO	
	RSB-05-R5	11/4/21	Roux	5	TPH-DRO	
	RSB-05-R6	11/4/21	Roux	1	TPH-DRO	
	RSB-05-R7	11/4/21	Roux	1	TPH-DRO	
Slag evaluation (site-wide)	RSB-67	1/6/21	Ramboll	1, 3, 5, 10, 15, 20, 25	Metals, VOCs, TPH	Results below SLs
Former diesel UST	RSB-25	12/24/20	Ramboll	1, 3, 5, 10, 15	Metals, VOCs, TPH [3]	Results below SLs
Cooling water channel	RSB-32	12/24/20	Ramboll	1, 3, 5, 10, 15, 20, 25, 30	Metals, VOCs, TPH [3]	Results below SLs
Slag remediation area	RSB-36	12/23/20 and 1/6/21	Ramboll	1, 3, 5, 10	Metals, VOCs, TPH	Results below SLs
	RSB-37	1/7/21	Ramboll	1, 3, 5, 10	Metals, VOCs, TPH	
Stormwater infiltration channel	RSB-39	1/4/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	Results below SLs
Cooling towers	RSB-40	12/29/20 and 12/30/20	Ramboll	1, 3, 5	Metals + Cr(VI)	Results below SLs
	RSB-41	12/30/20	Ramboll	1, 3, 5	Metals + Cr(VI)	
	RSB-62	12/30/20	Ramboll	1, 3, 5	Metals + Cr(VI)	
Clarifiers by baghouse (RSB-43 Area)	RSB-43	12/23/20	Ramboll	1, 3, 5, 10, 15	Metals, VOCs, TPH [3]	Cadmium detected above SL at RSB-43 at 1 foot bgs. Additional sampling proposed to delineate cadmium impacts in the vicinity of RSB-43.
	RSB-44	12/21/20	Ramboll	1, 3, 5, 10, 15	Metals, VOCs, TPH [3]	
Former vehicle wash area	RSB-70-E	11/3/21	Roux	1, 3, 5	Metals, VOCs, TPH	Results below SLs
	RSB-70-W	11/3/21	Roux	1, 3, 5	Metals, VOCs, TPH	
Former drum storage area	SB-1	11/4/21	Roux	1, 3	Metals, VOCs, TPH	Results below SLs
Parcel 3						
Railroad spur	RR-1	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	PCBs were detected above SLs at 0.5 and 1.5 feet bgs at RR-3. Additional sampling was previously proposed to delineate PCB impacts in the vicinity of RR-3. [4] DRO was detected above SLs at 0.5 feet bgs at RR-5 and RR-8, and at 0.5 and 1.5 feet bgs at RR-9. Additional sampling proposed to delineate DRO impacts in the vicinity of RR-5, RR-8, and RR-9. Arsenic was detected above SLs at 0.5 and 1.5 feet bgs at RR-12. Additional sampling proposed to delineate arsenic impacts in the vicinity of RR-12. Results below SLs at all other sample locations.
	RR-2	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	
	RR-3	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	
	RR-4	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	
	RR-5	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH	
	RR-6	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH	
	RR-7	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	
	RR-8	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH	
	RR-9	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	
	RR-10	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH	
	RR-11	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH	
	RR-12	11/8/21	Roux	0.5, 1.5	Metals, VOCs, TPH, PCBs, OCPs, SVOCs, chlorinated herbicides	

Table 2a
Summary of Sampling Results - Soil
12451 Arrow Route, Rancho Cucamonga, California

Area of Historical Operations	Boring ID	Date(s)	Consultant	Sample depth(s) (feet bgs)	Analyses [1]	Results Summary and Proposed Delineation
Parcel 3 cont'd						
Sitewide grid - No impacts found	RSB-07	1/4/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	Results below SLs
	RSB-11	1/4/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-12	1/5/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	
Sitewide grid - RSB-03 Area	RSB-03	1/7/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	DRO detected above SLs in sample collected from 1 foot bgs at RSB-03. Additional step-out samples collected to delineate TPH in the RSB-03 Area. Additional sampling proposed to complete TPH delineation in RSB-03 Area.
	RSB-03-E	1/26/21	Ramboll	1, 3	TPH	
	RSB-03-N	1/26/21	Ramboll	1, 3	TPH	
	RSB-03-S	1/27/21	Ramboll	1, 3	TPH	
	RSB-03-W	1/26/21	Ramboll	1, 3	TPH	
	RSB-03-R1	11/5/21	Roux	1, 3	TPH	
	RSB-03-R2	11/5/21	Roux	1, 3	TPH	
	RSB-03-R3	11/5/21	Roux	1, 3	TPH	
	RSB-03-R4	11/5/21	Roux	1, 3	TPH	
	RSB-03-R5	11/5/21	Roux	1, 3	TPH	
Slag evaluation (site-wide)	RSB-68	12/22/20	Ramboll	1, 3, 5, 10, 15, 20, 25	Metals (+CrVI at 1 ft), VOCs, TPH	Results below SLs
Stormwater infiltration channel	RSB-26	1/5/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	Results below SLs
Active fuel UST	RSB-27	12/22/20	Ramboll	1, 3, 5, 10, 15	Metals, VOCs, TPH [3]	Results below SLs
Open top clarifier	RSB-28	12/21/21	Ramboll	1, 3, 5, 10, 15, 20, 25, 30	Metals (+CrVI at 1 ft), VOCs, TPH [3]	Results below SLs; additional VOC sampling conducted as part of soil vapor delineation sampling.
	RSB-29	12/21/20	Ramboll	1, 3, 5, 10, 15, 20, 25, 30	Metals, VOCs, TPH [3]	
	RSB-28-R4	3/2/22	Roux	5, 15	VOCs [3]	
	RSB-28-R5	3/2/22	Roux	5, 15	VOCs [3]	
	RSB-28-R6	3/2/22	Roux	5, 15	VOCs [3]	
	RSB-28-R7	3/2/22	Roux	5, 15	VOCs [3]	
	RSB-28-R8	3/2/22	Roux	15	VOCs [3]	
	RSB-29-R4	3/2/22	Roux	5, 15	VOCs [3]	
	RSB-29-R5	3/2/22	Roux	5, 15	VOCs [3]	
	RSB-29-R6	3/2/22	Roux	5, 15	VOCs [3]	
	RSB-29-R7	3/2/22	Roux	5, 15	VOCs [3]	
	RSB-29-R8	3/2/22	Roux	15	VOCs [3]	
	RSB-29-R9	3/2/22	Roux	15	VOCs [3]	
Mobile maintenance building and former ASTs	RSB-30	12/21/20	Ramboll	1, 3, 5, 10, 15	Metals, VOCs, TPH [3]	Results below SLs; additional VOC sampling conducted as part of soil vapor delineation sampling.
	RSB-38	12/29/20	Ramboll	1, 3, 5 (angled under AST)	Metals, VOCs, TPH [3]	
	RSB-60	12/28/20	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	
	RSB-30-R4	3/4/22	Roux	5, 15	VOCs [3]	
	RSB-30-R5	3/4/22	Roux	5, 15	VOCs [3]	
	RSB-30-R6	3/4/22	Roux	35	VOCs [3]	
	RSB-38-R4	3/4/22	Roux	5, 15	VOCs [3]	
	RSB-38-R5	3/4/22	Roux	5, 15	VOCs [3]	
	RSB-38-R6	3/3/22	Roux	5, 15	VOCs [3]	
	RSB-38-R7	3/3/22	Roux	35	VOCs [3]	
	RSB-60-R5	3/4/22	Roux	5, 15	VOCs [3]	
	RSB-60-R6	3/4/22	Roux	5, 15	VOCs [3]	
	RSB-60-R8	3/4/22	Roux	15, 35	VOCs [3]	
Hazardous waste storage	RSB-31	1/4/21	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	Results below SLs
Former oil and diesel USTs	RSB-33	12/21/20	Ramboll	3, 5, 10, 15	Metals, VOCs, TPH [3]	
Cooling towers	RSB-42	12/30/20	Ramboll	1	Metals + Cr(VI)	Results below SLs
	RSB-42-Stepout	12/30/20	Ramboll	1, 3, 5	Metals + Cr(VI)	
	RSB-45		Ramboll	1, 3, 5	Metals + Cr(VI)	
Wash station	RSB-46	12/18/20	Ramboll	1, 3	Metals, VOCs, TPH [3]	Results below SLs
	RSB-46-Stepout	1/5/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-47-Stepout	1/5/21	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	
Main production line building	RSB-48	12/28/20	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	Results below SLs
	RSB-49	12/28/20	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	
	RSB-50	12/29/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-51	12/28/20	Ramboll	1, 3, 5	Metals, VOCs, TPH, PCBs [3]	
	RSB-52	12/30/20	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	
Parts Warehouse	RSB-53	12/30/20	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	Results below SLs; additional VOC sampling conducted as part of soil vapor delineation sampling.
	RSB-53-R8	3/3/22	Roux	5, 15	VOCs [3]	
	RSB-53-R9	3/2/22	Roux	5, 15	VOCs [3]	
	RSB-53-R10	3/3/22	Roux	5, 15	VOCs [3]	
	RSB-53-R11	3/3/22	Roux	5, 15	VOCs [3]	
	RSB-53-R12	3/3/22	Roux	15	VOCs [3]	
	RSB-53-R13	3/3/22	Roux	15	VOCs [3]	
	RSB-53-R14	3/3/22	Roux	35	VOCs [3]	
	RSB-53-R15	3/3/22	Roux	15, 35	VOCs [3]	
	RSB-54	12/30/20	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	
	RSB-54-E3	3/3/22	Roux	35	VOCs [3]	
	RSB-54-E4	3/3/22	Roux	5, 15, 35	VOCs [3]	
	RSB-54-NE	3/3/22	Roux	5, 15, 35	VOCs [3]	
	RSB-54-S2	3/3/22	Roux	5, 15, 35	VOCs [3]	
	RSB-54-SE	3/3/22	Roux	5, 15, 35	VOCs [3]	
Lubricant storage area	RSB-55	12/31/20	Ramboll	3, 5	Metals, VOCs, TPH [3]	Results below SLs
	RSB-56	12/31/20	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	
East of mobile maintenance building (RSB-57 Area)	RSB-57	12/31/20 and 1/7/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	Lead detected above SLs in sample collected from 1 foot bgs at RSB-57. Additional step-out samples collected to delineate lead in the area east of the mobile maintenance building. Additional sampling proposed to complete lead delineation in area east of the mobile maintenance building.
	RSB-57-E	1/27/21	Ramboll	1, 3, 5	Lead	
	RSB-57-N	1/27/21	Ramboll	1, 3, 5	Lead	
	RSB-57-R1	11/5/21	Roux	1	Lead	
	RSB-57-R2	11/5/21	Roux	1	Lead	
	RSB-57-R3	11/5/21	Roux	1	Lead	
	RSB-57-R4	11/5/21	Roux	1, 3	Lead	
	RSB-57-R5	11/5/21	Roux	1, 3	Lead	
	RSB-57-S	1/27/21	Ramboll	1, 3, 5	Lead	
	RSB-57-W	1/27/21	Ramboll	1, 3, 5	Lead	
Reheat oven	RSB-63	12/29/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	Results below SLs
Former oil cellar in production/roll mill building	RSB-64	1/4/21	Ramboll	3, 5, 10, 15	Metals, VOCs, TPH [3]	Results below SLs
Transformers	RSB-65	12/29/20	Ramboll	1, 3, 5	Metals, VOCs, TPH, PCBs	Results below SLs
Former septic system	RSB-69	12/21/20	Ramboll	1, 3, 5, 10, 15	Metals, VOCs, TPH [3]	Results below SLs
Former 1993 UST footprint	SB-2	11/4/21	Roux	1, 3	Metals, VOCs, TPH	Results below SLs
	SB-3	11/4/21	Roux	1, 3	Metals, VOCs, TPH	
UST and Dispenser	SB-4	11/5/21	Roux	1, 3	TPH	Results below SLs

Table 2a
Summary of Sampling Results - Soil
12451 Arrow Route, Rancho Cucamonga, California

Area of Historical Operations	Boring ID	Date(s)	Consultant	Sample depth(s) (feet bgs)	Analyses [1]	Results Summary and Proposed Delineation
Parcel 4						
Sitewide grid - No impacts found	RSB-20	12/14/20 and 1/7/21	Ramboll	1, 2, 3, 5	Metals, VOCs, TPH	Results below SLs
	RSB-20-Stepout	12/16/20	Ramboll	1, 3	Metals, VOCs, TPH	
	RSB-22	12/14/20	Ramboll	1, 3, 5	Metals, VOCs, TPH-GRO	
	RSB-23	12/14/20 and 1/8/21	Ramboll	1, 3, 5	Metals, VOCs, TPH	
	RSB-23-Stepout	12/15/20	Ramboll	1, 3	Metals, VOCs, TPH	
	RSB-24	12/15/20	Ramboll	2, 3, 5	Metals, VOCs, TPH	
Slag trench remediation area	RSB-34	12/28/20 and 1/7/21	Ramboll	1, 3, 5, 10, 15, 20, 25	Metals, VOCs, TPH	Results below SLs
	RSB-35	12/23/20	Ramboll	1, 3, 5, 10, 15, 20, 25	Metals, VOCs, TPH	
Clarifier & Oil recovery system south of Maintenance Shop	RSB-58	12/16/20	Ramboll	1, 3, 5	Metals, VOCs, TPH	Results below SLs
	RSB-59	12/24/20 and 1/6/21	Ramboll	1, 3, 5, 10, 15	Metals, VOCs, TPH [3]	
	RSB-58-S	11/3/21	Roux	1, 3, 5	Metals, VOCs, TPH	
	RSB-58-W	11/3/21	Roux	1, 3, 5	Metals, VOCs, TPH	
Maintenance shop near hydraulic lift	RSB-61	12/15/20	Ramboll	1, 3, 5	Metals, VOCs, TPH [3]	Results below SLs

Notes:

1. See the following tables in the Subsurface Investigation Report (Roux, 2023) for analytical results:
   Table 2: Metals
   Table 3: Volatile Organic Compounds (VOCs)
   Table 4: Total Petroleum Hydrocarbons (TPH)
   Table 5: Polychlorinated Biphenyls (PCBs)
   Table 6: Organochlorine Pesticides (OCPs)
   Table 7: Semi-Volatile Organic Compounds (SVOCs)
   Table 8: Chlorinated Herbicides
2. RSB-04 thallium discussion from Ramboll's Phase II Subsurface Investigation Report (Ramboll, 2021): Thallium was initially detected in only one soil sample from RSB-04 at a depth of 5 feet bgs and a concentration of 22.1 mg/kg. Thallium was not detected at the co-located and step-out samples analyzed in the vicinity of RSB-04. It was later discovered that the reported concentration of thallium in initial boring RSB-04 was a laboratory reporting error and the laboratory report was corrected accordingly.
3. Soil vapor sampling and analysis also conducted at this location; refer to Table 2b.
4. Proposed PCB delineation sampling at RR-3 provided in Technical Memorandum, Targeted Shallow Soil Investigation for PCBs near RR-3 and Recommended Additional Sampling (Roux, 2023).

Table 2b
Summary of Sampling Results - Soil Vapor
12451 Arrow Route, Rancho Cucamonga, California

Area of Historical Operations	Boring ID	Date(s)	Collected By	Sample depth(s) (feet bgs)	Results Summary and Proposed Delineation
Parcel 2					
Former diesel UST (RSB-25 Area)	RSB-25	1/7/2021	Ramboll	5, 15	Chloroform detected above SL at 5 and 15 feet bgs. Additional sampling proposed at lateral stepout borings.
Cooling water channel (RSB-32 Area)	RSB-32	1/7/2021	Ramboll	5, 30	Chloroform detected above SL at 30 feet and below SL at 5 feet bgs. Additional sampling at 15 feet bgs proposed.
Clarifiers by baghouse	RSB-43	1/7/2021	Ramboll	5, 15	Results below SLs
	RSB-44	1/6/2021	Ramboll	5, 15	
Parcel 3					
Active fuel UST	RSB-27	1/6/2021	Ramboll	5, 15	Results below SLs
Open top clarifier	RSB-28	1/6/2021	Ramboll	5, 30	PCE and benzene detected above SLs in samples collected at 5 and 15 feet bgs. Additional delineation is needed at 15 feet bgs, which is proposed in the Soil Vapor (SV) and Soil Vapor Extraction (SVE) Extended Pilot Test Workplan, dated September 1, 2023.
	RSB-29	1/6/2021	Ramboll	5, 30	
	RSB-28	11/4/2021	Roux	15	
	RSB-28-R1	11/4/2021	Roux	5	
	RSB-28-R2	11/4/2021	Roux	5	
	RSB-28-R3	11/4/2021	Roux	5	
	RSB-28-R4	3/7/2022	Roux	5, 15	
	RSB-28-R5	3/7/2022	Roux	5, 15	
	RSB-28-R6	3/7/2022	Roux	5, 15	
	RSB-28-R7	3/7/2022	Roux	5, 15	
	RSB-28-R8	3/7/2022	Roux	15	
	RSB-29	11/4/2021	Roux	15	
	RSB-29-R1	11/4/2021	Roux	5	
	RSB-29-R2	11/4/2021	Roux	5	
	RSB-29-R3	11/4/2021	Roux	5	
	RSB-29-R4	3/7/2022	Roux	5, 15	
	RSB-29-R5	3/7/2022	Roux	5, 15	
	RSB-29-R6	3/7/2022	Roux	5, 15	
	RSB-29-R7	3/7/2022	Roux	5, 15	
	RSB-29-R8	3/7/2022	Roux	15	
	RSB-29-R9	3/7/2022	Roux	15	
Mobile maintenance building and former ASTs	RSB-30	1/8/2021	Ramboll	5, 15	PCE (5, 15, 35 feet bgs), TCE and chloroform (15 and 35 feet bgs), and benzene (5 feet bgs) were detected above SLs in samples collected at 5, 15, and 35 feet bgs. Additional delineation is needed at all three depths and vertically, which is proposed in the Soil Vapor (SV) and Soil Vapor Extraction (SVE) Extended Pilot Test Workplan, dated September 1, 2023.
	RSB-38	1/8/2021	Ramboll	5	
	RSB-60	1/8/2021	Ramboll	5	
	RSB-30	11/2/2021	Roux	15	
	RSB-30-R1	11/2/21 and 11/5/21	Roux	5, 15	
	RSB-30-R2	11/2/21 and 11/5/21	Roux	5, 15	
	RSB-30-R3	11/2/21 and 11/5/21	Roux	5, 15	
	RSB-30-R4	3/8/2022	Roux	5, 15	
	RSB-30-R5	3/8/2022	Roux	5, 15	
	RSB-30-R6	3/8/2022	Roux	35	
	RSB-38	11/2/2021	Roux	15	
	RSB-38-R1	11/2/2021	Roux	5	
	RSB-38-R2	11/2/2021	Roux	5	
	RSB-38-R3	11/2/2021	Roux	5	
	RSB-38-R4	3/8/2022	Roux	5, 15	
	RSB-38-R5	3/8/2022	Roux	5, 15	
	RSB-38-R6	3/8/2022	Roux	5, 15	
	RSB-38-R7	3/8/2022	Roux	35	
	RSB-60	11/1/2021	Roux	15	
	RSB-60-R1	11/1/2021	Roux	5	
	RSB-60-R2	11/1/2021	Roux	5	
	RSB-60-R3	11/1/2021	Roux	5	
	RSB-60-R4	11/1/2021	Roux	5	
	RSB-60-R5	3/8/2022	Roux	5, 15	
	RSB-60-R6	3/8/2022	Roux	5, 15	
	RSB-60-R8	3/8/2022	Roux	15, 35	
Hazardous waste storage	RSB-31	1/8/2021	Ramboll	5	Results below SLs
Former oil and diesel USTs	RSB-33	1/7/2021	Ramboll	5, 15	Results below SLs
Wash station	RSB-46	1/8/2021	Ramboll	5	Results below SLs
	RSB-47	1/8/2021	Ramboll	5	
Main production line building	RSB-48	1/6/2021	Ramboll	5	Results below SLs
	RSB-49	1/6/2021	Ramboll	5	
	RSB-51	1/6/2021	Ramboll	15	
	RSB-52	1/7/2021	Ramboll	5	

Table 2b
Summary of Sampling Results - Soil Vapor
12451 Arrow Route, Rancho Cucamonga, California

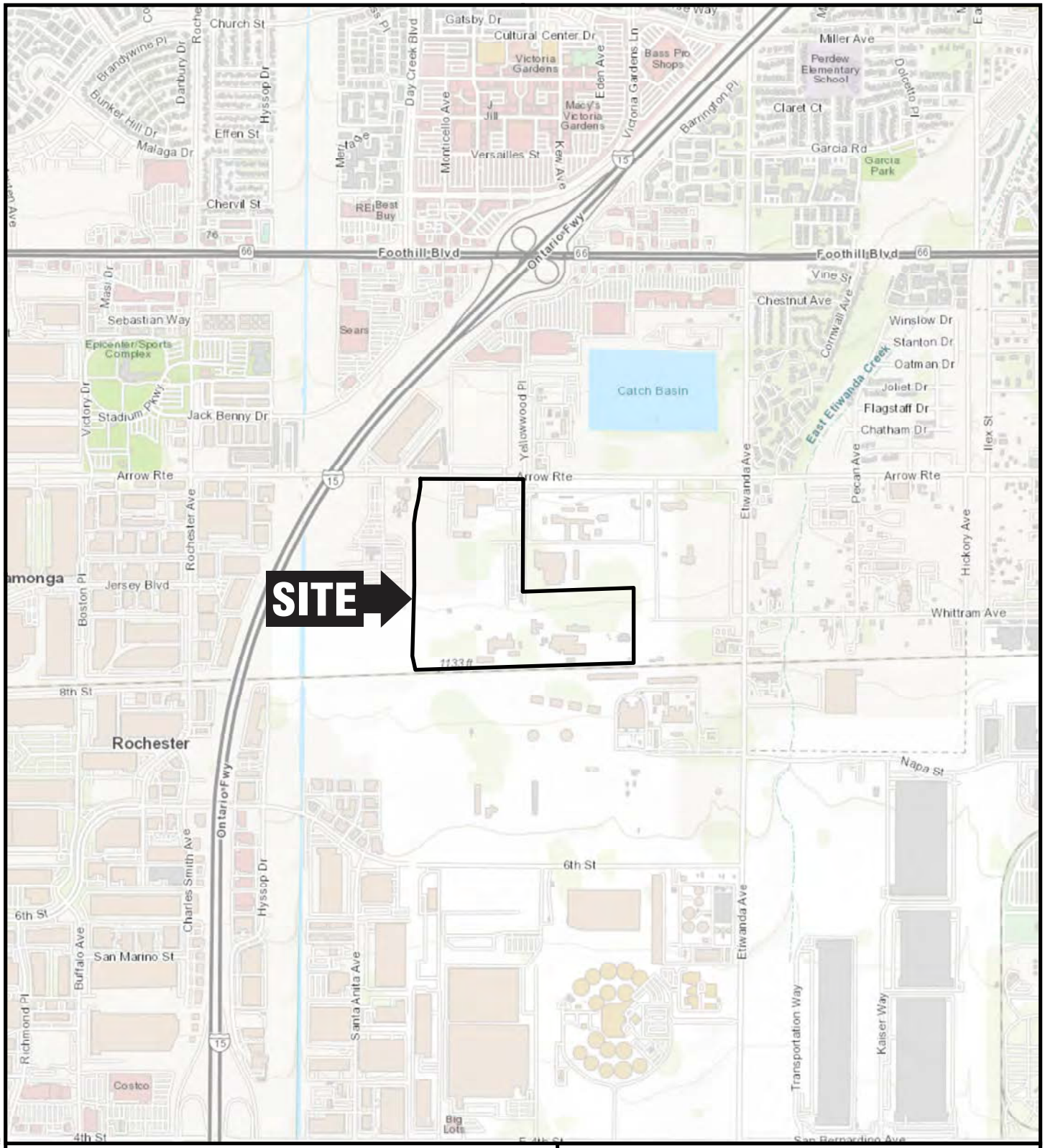
Area of Historical Operations	Boring ID	Date(s)	Collected By	Sample depth(s) (feet bgs)	Results Summary and Proposed Delineation
Parcel 3 cont'd					
Parts Warehouse	RSB-53	1/8/2021	Ramboll	5	PCE (5, 15, 35 feet bgs) and TCE (35 feet bgs) were detected above SLs in samples collected at 5, 15, and 35 feet bgs. Additional delineation is needed at all three depths and vertically, which is proposed in the Soil Vapor (SV) and Soil Vapor Extraction (SVE) Extended Pilot Test Workplan, dated September 1, 2023.
	RSB-53	11/3/2021	Roux	15	
	RSB-53-R1	11/2/2021	Roux	5	
	RSB-53-R2	11/2/2021	Roux	5	
	RSB-53-R3	11/3/2021	Roux	5	
	RSB-53-R4	11/3/2021	Roux	5	
	RSB-53-R5	11/3/2021	Roux	5	
	RSB-53-R6	11/3/2021	Roux	5	
	RSB-53-R7	11/3/2021	Roux	5	
	RSB-53-R8	3/7/2022	Roux	5, 15	
	RSB-53-R9	3/7/2022	Roux	5, 15	
	RSB-53-R10	3/7/2022	Roux	5, 15	
	RSB-53-R11	3/7/2022	Roux	5, 15	
	RSB-53-R12	3/7/2022	Roux	15	
	RSB-53-R13	3/7/2022	Roux	15	
	RSB-53-R14	3/7/2022	Roux	35	
	RSB-53-R15	3/7/2022	Roux	15, 35	
	RSB-54	1/8/2021	Ramboll	5	
	RSB-54-CL	2/1/2021	Ramboll	5, 15, 35	
	RSB-54-E	2/1/2021	Ramboll	5, 15, 35	
	RSB-54-N	2/1/2021	Ramboll	5, 15, 35	
	RSB-54-S	2/1/2021	Ramboll	5, 15, 35	
	RSB-54-W	2/1/2021	Ramboll	5, 15, 35	
	RSB-54-E1	11/3/2021	Roux	5, 15	
	RSB-54-E2	11/3/2021	Roux	5, 15	
	RSB-54-E3	3/7/2022	Roux	35	
	RSB-54-E4	3/7/2022	Roux	5, 15, 35	
	RSB-54-NE	3/7/2022	Roux	5, 15, 35	
	RSB-54-N-R1	11/2/2021	Roux	15	
	RSB-54-N-R2	11/3/2021	Roux	15	
	RSB-54-N-R3	11/3/2021	Roux	15	
	RSB-54-S1	11/3/2021	Roux	5, 15	
	RSB-54-S2	3/7/2022	Roux	5, 35	
	RSB-54-SE	3/7/2022	Roux	5, 15, 35	
Lubricant storage area	RSB-55	1/6/2021	Ramboll	5	Results below SLs
	RSB-56	1/6/2021	Ramboll	5	
Former oil cellar in production/roll mill building	RSB-64	1/7/2021	Ramboll	5, 15	Results below SLs
Former septic system	RSB-69	1/7/2021	Ramboll	5, 15	Results below SLs
Parcel 4					
Clarifier & Oil recovery system south of maintenance shop	RSB-59	1/8/2021	Ramboll	5, 15	Results below SLs
Maintenance shop near hydraulic lift	RSB-61	1/28/2021	Ramboll	5	PCE detected above SLs at 5 feet and below SLs at 15 feet bgs in boring RSB-61. Results from lateral stepouts RSB-61-E, -W, and -NW at 10 feet bgs were below SLs.
	RSB-61	11/4/2021	Roux	15	
	RSB-61-E	11/4/2021	Roux	10	
	RSB-61-NW	11/4/2021	Roux	10	
	RSB-61-W	11/4/2021	Roux	10	

Table 3
Sample Analysis Plan: Supplemental Site Investigation Workplan
12451 Arrow Route, Rancho Cucamonga, California

Original Boring ID	Sample ID	Location	Depths	TPH-DRO via 8105B	Lead via 6010B	Arsenic via 6010B	Cadmium via 6010B	Chromium via 6010B and 7199	SVOCs via 8270C	Soil Vapor VOCs Via TO-15
Delineate TPH around RSB-03 - Parcel 3										
RSB-03 Figure 13	RSB-03-R6	25' W of RSB-03-R1	1	x						
	RSB-03-R7	25' W of RSB-03-R2	1	x						
	RSB-03-R8	25' S of RSB-03-R2	1	x						
	RSB-03-R9	25' S of RSB-03-R3	1	x						
	RSB-03-R10	25' E of RSB-03-R5	1	x						
	RSB-03-R11	25' N of RSB-03-R5	1	x						
Delineate TPH around RSB-05 - Parcel 2										
RSB-05 Figure 14	RSB-05-R5-R	at RSB-05-R5	1	x						
	RSB-05-R6-R	at RSB-05-R6	3	x						
	RSB-05-R7-R	at RSB-05-R7	3	x						
	RSB-05-R8	25' N of RSB-05-R2	1	x						
	RSB-05-R9	25' W of RSB-05-R2	1	x						
	RSB-05-R10	25' S of RSB-05-R2	1	x						
	RSB-05-R11	25' S of RSB-05-R6	1	x						
	RSB-05-R12	25' E of RSB-05-R6	1	x						
	RSB-05-R13	25' N of RSB-05-R6	1	x						
Delineate Lead around RSB-02 - Parcel 2										
RSB-02 Figure 10	RSB-02-R4	10' N of RSB-02-R2	3		x					
	RSB-02-R5	10' W of RSB-02-R2	3		x					
	RSB-02-R6	10' S of RSB-02-R2	3		x					
Delineate Lead around RSB-57 - Parcel 3										
RSB-57 Figure 11	RSB-57-R4-R	at RSB-57-R4	5		x					
	RSB-57-R6	10' W of RSB-57-R4	1		x					
			3		x					
	RSB-57-R7	10' S of RSB-57-R4	1		x					
			3		x					
	RSB-57-R8	10' E of RSB-57-R4	1		x					
			3		x					
Delineate Cadmium around RSB-43 - Parcel 2										
RSB-43 Figure 10	RSB-43-R1	10' N of RSB-43	1				x			
	RSB-43-R2	10' E of RSB-43	1				x			
	RSB-43-R3	10' S of RSB-43	1				x			
	RSB-43-R4	10' W of RSB-43	1				x			
Delineate Chromium VI										
RSB-04 Figure 28	RSB-04-R	RSB-04	3					x		
RSB-66 Figure 28	RSB-66-R	RSB-66	2					x		
RSB-05 Figure 28	RSB-05-R	RSB-05	1					x		
RSB-17 Figure 28	RSB-17-R	RSB-17	1					x		
RSB-25 Figure 28	RSB-25-R	RSB-25	1					x		
RSB-36 Figure 28	RSB-36-R	RSB-36	3					x		
RSB-67 Figure 28	RSB-67-R	RSB-67	1					x		
RR-4 Figure 28	RR-4-R	RR-4	0.5					x		
RR-12 Figure 28	RR-12-R	RR-12	1.5					x		
Delineate at RR Locations										
RR-5 Figure 12	RR-5-N	10' N of RR-5	0.5	x						
	RR-5-S	10' S of RR-5	0.5	x						
	RR-5-E	10' E of RR-5	0.5	x						
	RR-5-W	10' W of RR-5	0.5	x						
RR-8 Figure 12	RR-8-N	10' N of RR-8	0.5	x						
	RR-8-S	10' S of RR-8	0.5	x						
	RR-8-E	10' E of RR-8	0.5	x						
	RR-8-W	10' W of RR-8	0.5	x						
RR-9 Figure 12	RR-9-R	At RR-9	3	x						
	RR-9-N	10' N of RR-9	0.5	x						
			1.5	x						
	RR-9-S	10' S of RR-9	0.5	x						
			1.5	x						
	RR-9-E	10' E of RR-9	0.5	x						
			1.5	x						
	RR-9-W	10' W of RR-9	0.5	x						
			1.5	x						
RR-12 Figure 12	RR-12-R	At RR-12	3			x				
	RR-12-N	10' N of Boring RR-12	0.5			x				
			1.5			x				
	RR-12-S	10' S of Boring RR-12	0.5			x				
			1.5			x				
	RR-12-E	10' E of Boring RR-12	0.5			x				
			1.5			x				
	RR-12-W	10' W of Boring RR-12	0.5			x				
			1.5			x				
RR-13 Figure 12	RR-13-R	At RR-13	3						x	
	RR-13-N	10' N of Boring RR-13	0.5						x	
	RR-13-S	10' S of Boring RR-13	0.5						x	
	RR-13-E	10' E of Boring RR-13	0.5						x	
	RR-13-W	10' W of Boring RR-13	0.5						x	
RR-14 Figure 12	RR-14-N	10' N of Boring RR-14	0.5			x				
	RR-14-S	10' S of Boring RR-14	0.5			x				
	RR-14-E	10' E of Boring RR-14	0.5			x				
	RR-14-W	10' W of Boring RR-14	0.5			x				
Soil Vapor VOCs										
RSB-25 Figure 18	RSB-25-R1	25' N of RSB-25-R1	5							x
			15							x
	RSB-25-R2	25' S of RSB-25-R1	5							x
			15							x
	RSB-25-R3	25' E of RSB-25-R1	5							x
			15							x
	RSB-25-R4	25' W of RSB-25-R1	5							x
			15							x
RSB-32 Figure 18	RSB-32-R	At RSB-32	15							x

FIGURES

1. Site Location Map
2A. Site Plan
2B. Site Vicinity
3. Proposed Development Plan
4A. Historical Site Plans – 1983 TAMCO Site Plan
4B. Historical Site Plans – 1996 TAMCO Parcel 1 Site Plan
4C. Historical Site Plans – 1998 TAMCO Parcels 2 and 3 Site Plan
4D. Historical Site Plans – 2001 Fontana Steel Parcel 4 Site Plan
4E. Historical Site Plans – 2017 Site Plan
5. Sample Locations
6. Sample Locations – NW Portion of Site
7. Sample Locations – SW Portion of Site
8. Sample Locations – SE Portion of Site
9. Lateral Slag Distribution
10. Parcel 2 – Lead and Cadmium in Soil
11. Southern Portion of Parcel 3 – Lead in Soil
12. Rail Spur Parcels 2 and 3 – Exceedances in Soil
13. Southern Portion of Parcel 3 – TPH in Soil
14. Parcel 2 – TPH in Soil
15. Southwestern Portion of Parcel 3 – PCE and Benzene in Soil Vapor
16. Southern Portion of Parcel 3 – PCE and Benzene in Soil Vapor
17. Northern Portion of Parcel 3 – PCE and Benzene in Soil Vapor
18. Parcel 2 – Chloroform in Soil Vapor
19. Parcel 3 with PCE Iso-Concentration Contours – 5 Feet bgs
20. Parcel 3 with Benzene Iso-Concentration Contours – 5 Feet bgs
21. Parcel 3 with PCE Iso-Concentration Contours – 15 Feet bgs
22. Parcel 3 with Benzene Iso-Concentration Contours – 15 Feet bgs
23. Parcel 3 with TCE Iso-Concentration Contours – 15 Feet bgs
24. Parcel 3 with Chloroform Iso-Concentration Contours – 15 Feet bgs
25. Parcel 3 with PCE Iso-Concentration Contours – 35 Feet bgs
26. Parcel 3 with TCE Iso-Concentration Contours – 35 Feet bgs
27. Parcel 3 with Chloroform Iso-Concentration Contours – 35 Feet bgs
28. Proposed Chromium Speciation Sample Locations



LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

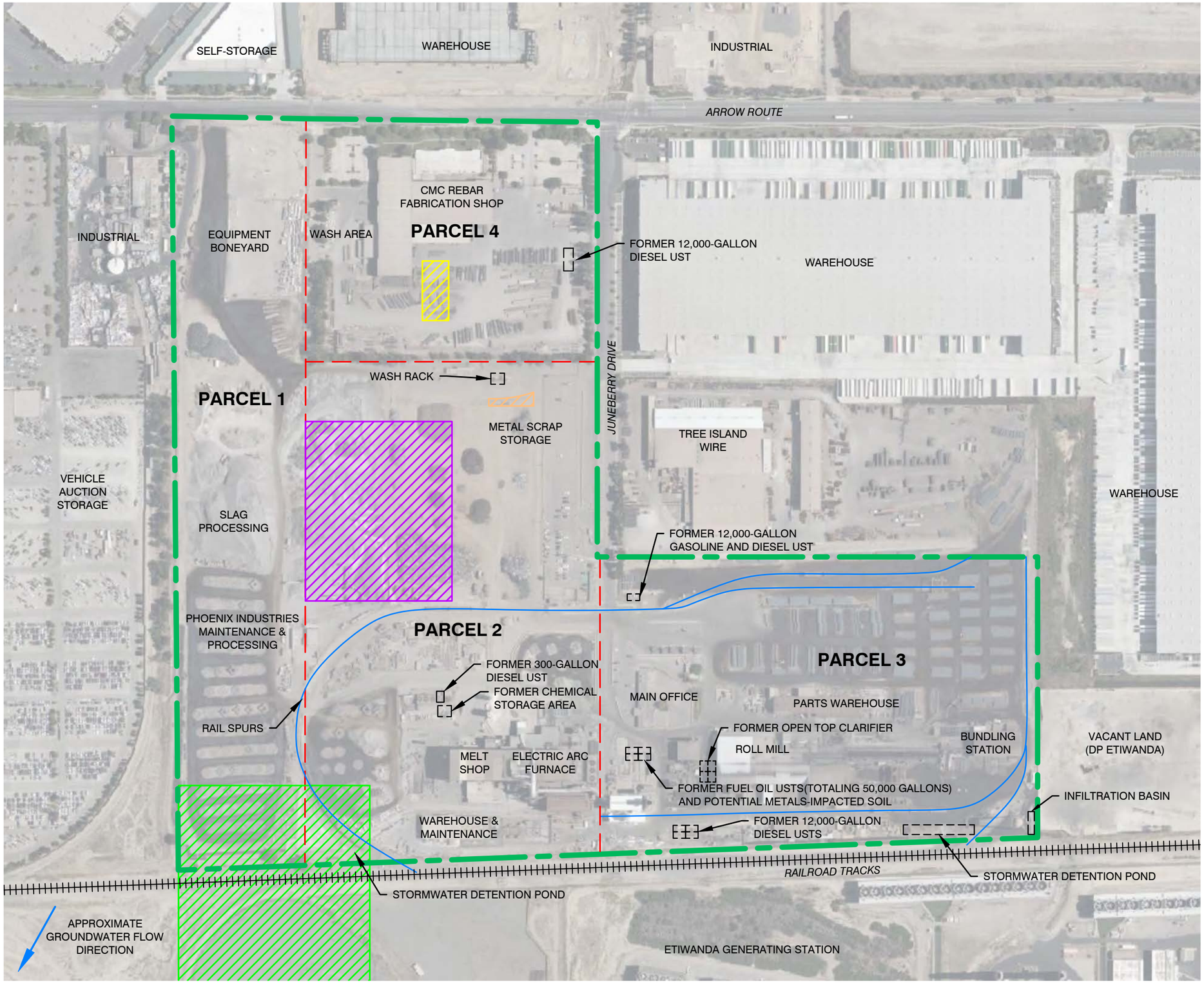
BTC III ARROW ROUTE CC LP

ROUX

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Prepared by: C.M.	Scale: As Shown
Project Mgr: M.J.N.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1

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LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 6 JULY 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	2A
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 053_3200.0007L_SITE PLAN.DWG		

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LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

NOTES

1. CLOSEST RESIDENTIAL DEVELOPMENT APPROXIMATELY 2,000 FEET TO THE EAST-NORTHEAST

N

500' 0 500'

Title:

SITE VICINITY PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

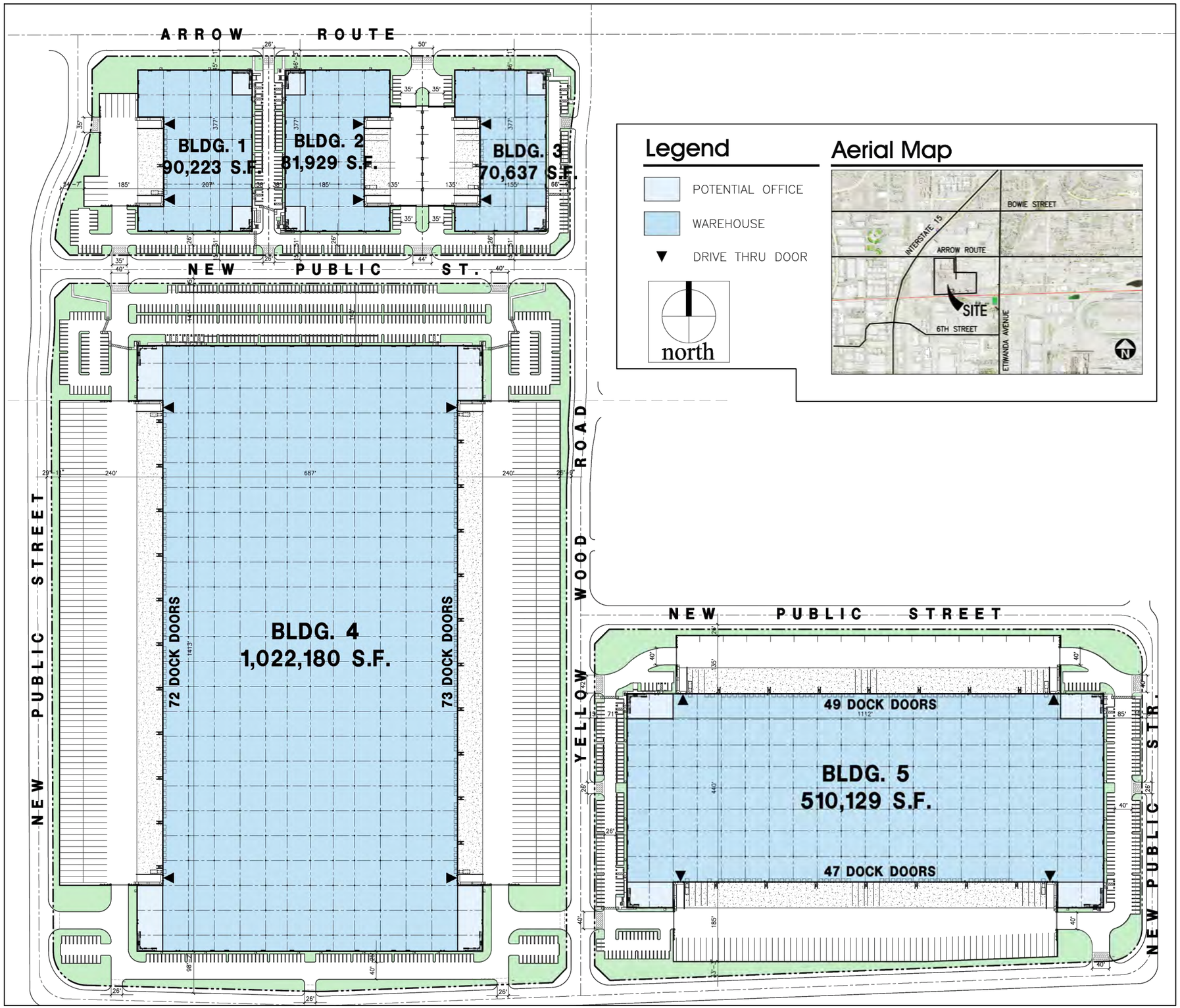
Prepared for:

BTC III ARROW ROUTE CC LP

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Legend

- POTENTIAL OFFICE
- WAREHOUSE
- ▼ DRIVE THRU DOOR

north

Aerial Map

NOTES

1. DRAWING ADAPTED FROM CONCEPTUAL SITE PLAN SCHEME 40, BY HPA ARCHITECTURE, DATED JUNE 9, 2023.

Title:

PROPOSED DEVELOPMENT PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

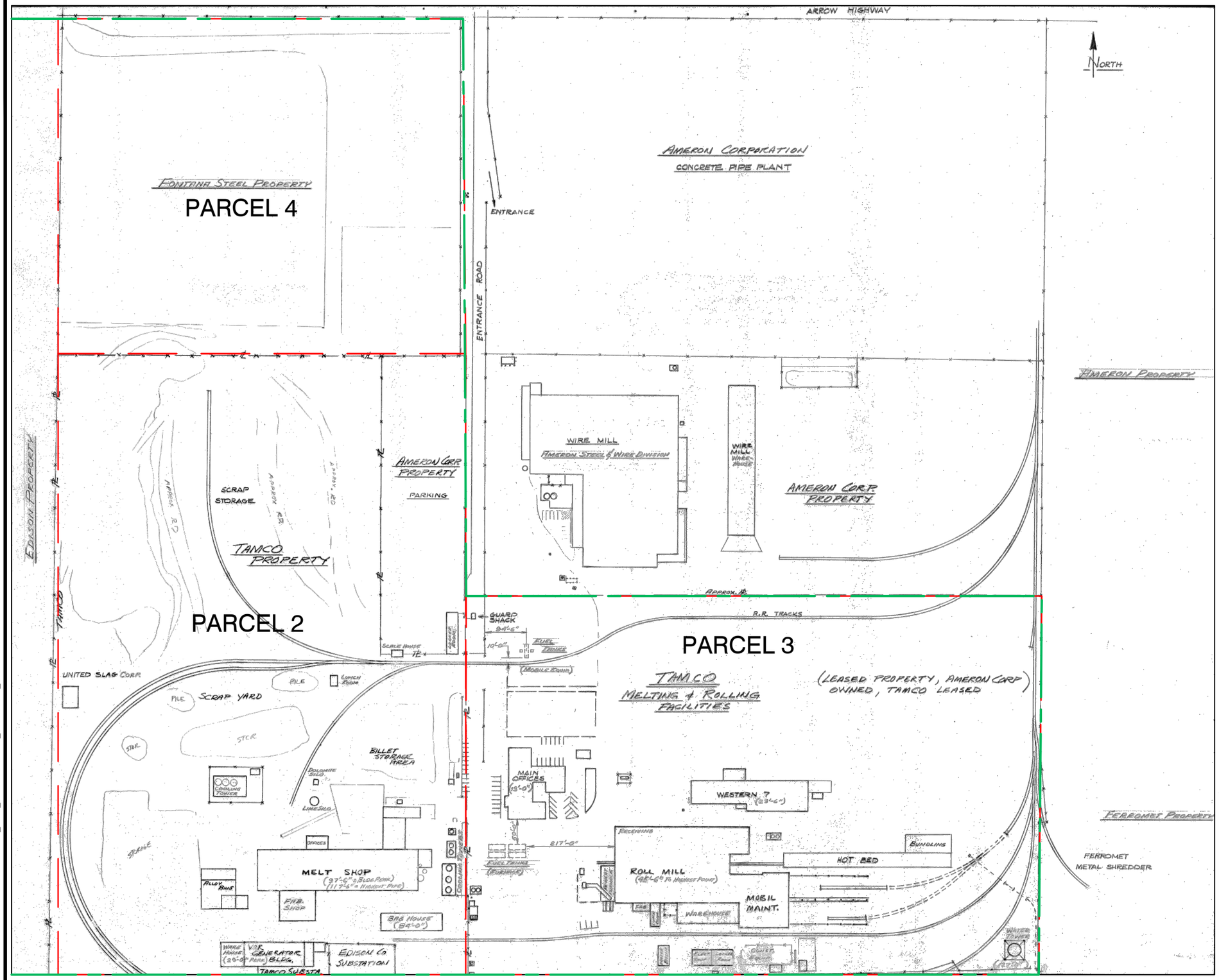
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

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Prepared by: A.P.	Scale: N.T.S.	3
Project Mgr: P.S.	Project: 3200.0007L	
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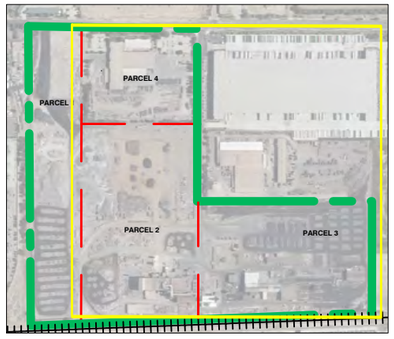
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LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY



LOCATOR MAP

NOTES

FIGURE SOURCE: 1983 TAMCO FUEL UST LOCATIONS

N

Title:

1983 TAMCO SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

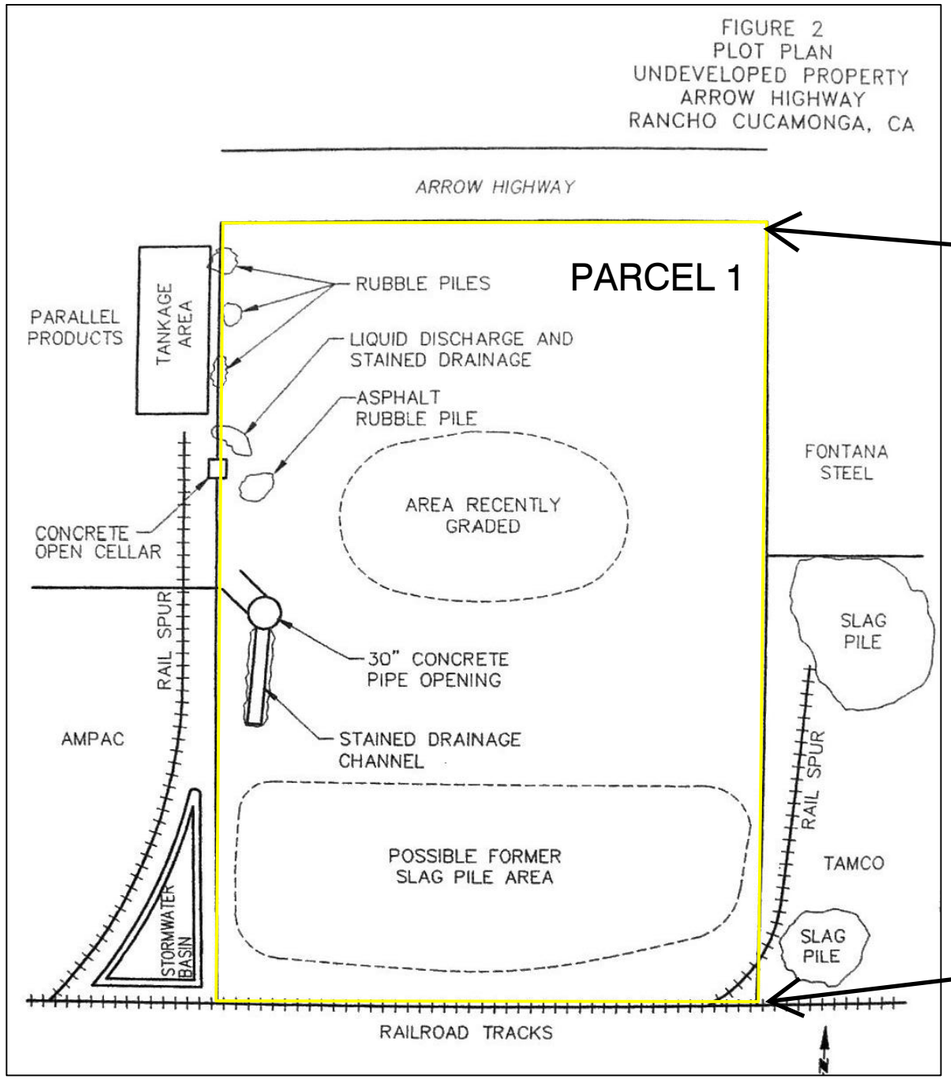
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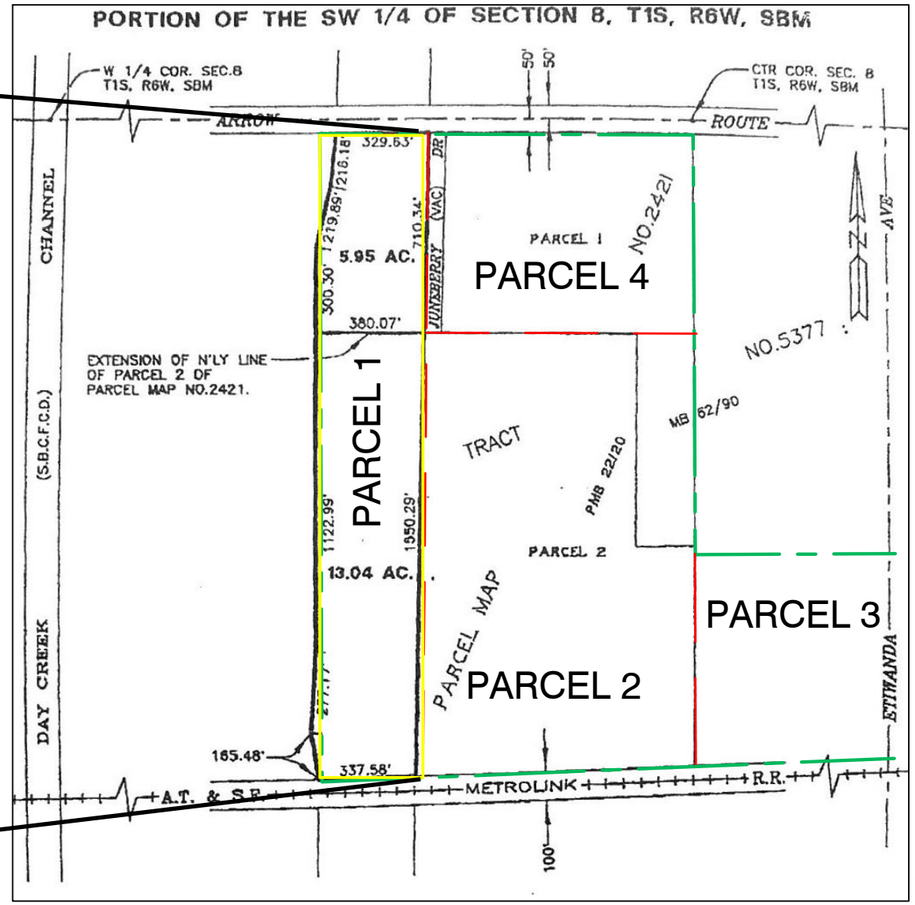
BTC III ARROW ROUTE CC LP

ROUX

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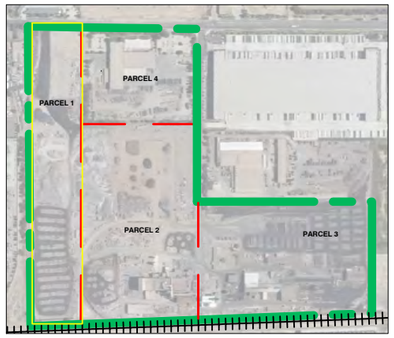
FIGURE 2
PLOT PLAN
UNDEVELOPED PROPERTY
ARROW HIGHWAY
RANCHO CUCAMONGA, CA





LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PARCEL 1 BOUNRADY



LOCATOR MAP

NOTES

FIGURE SOURCE: 1996 KINWORTHY/PATTON ENVIRONMENTAL, INC. PHASE I

Title :

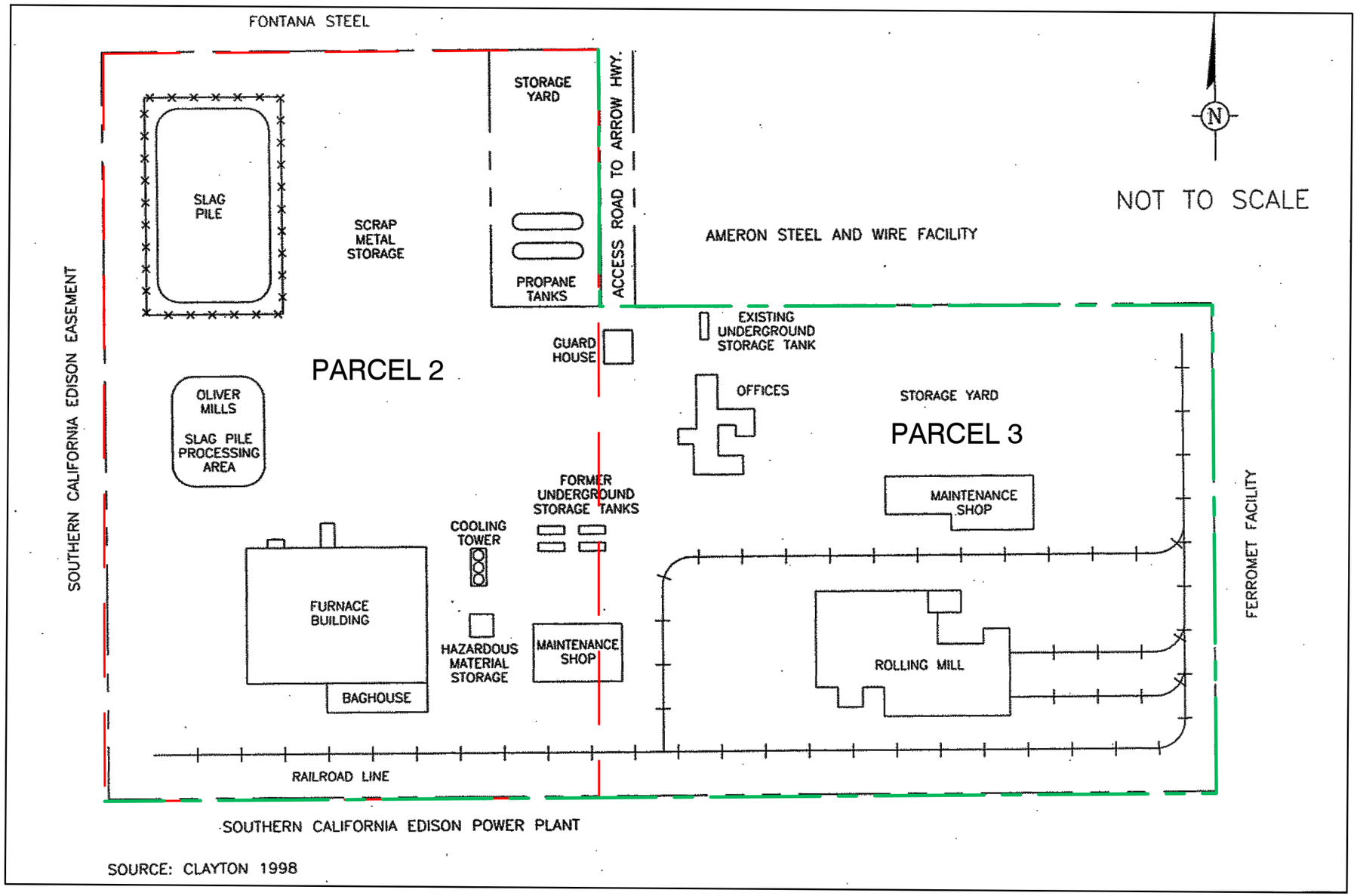
1996 TAMCO PARCEL 1
SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:
BTC III ARROW ROUTE CC LP

ROUX	Compiled by: A.F.	Date: 7 AUG 2023	FIGURE
	Prepared by: M.B.	Scale: NOT TO SCALE	4B
	Project Mgr: P.S.	Project: 3200.0007L	
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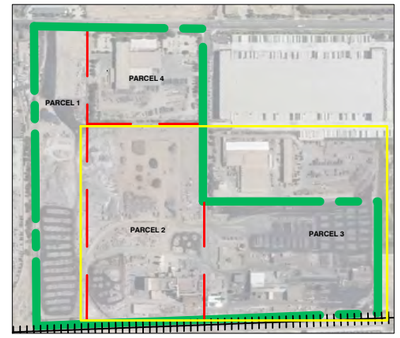
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LEGEND

SITE BOUNDARY

PARCEL BOUNDARY



LOCATOR MAP

NOTES

FIGURE SOURCE: 1998 ARCADIS GERACHY & MILLER TAMCO SITE PLAN

N

Title:

1998 TAMCO PARCELS 2 AND 3 SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

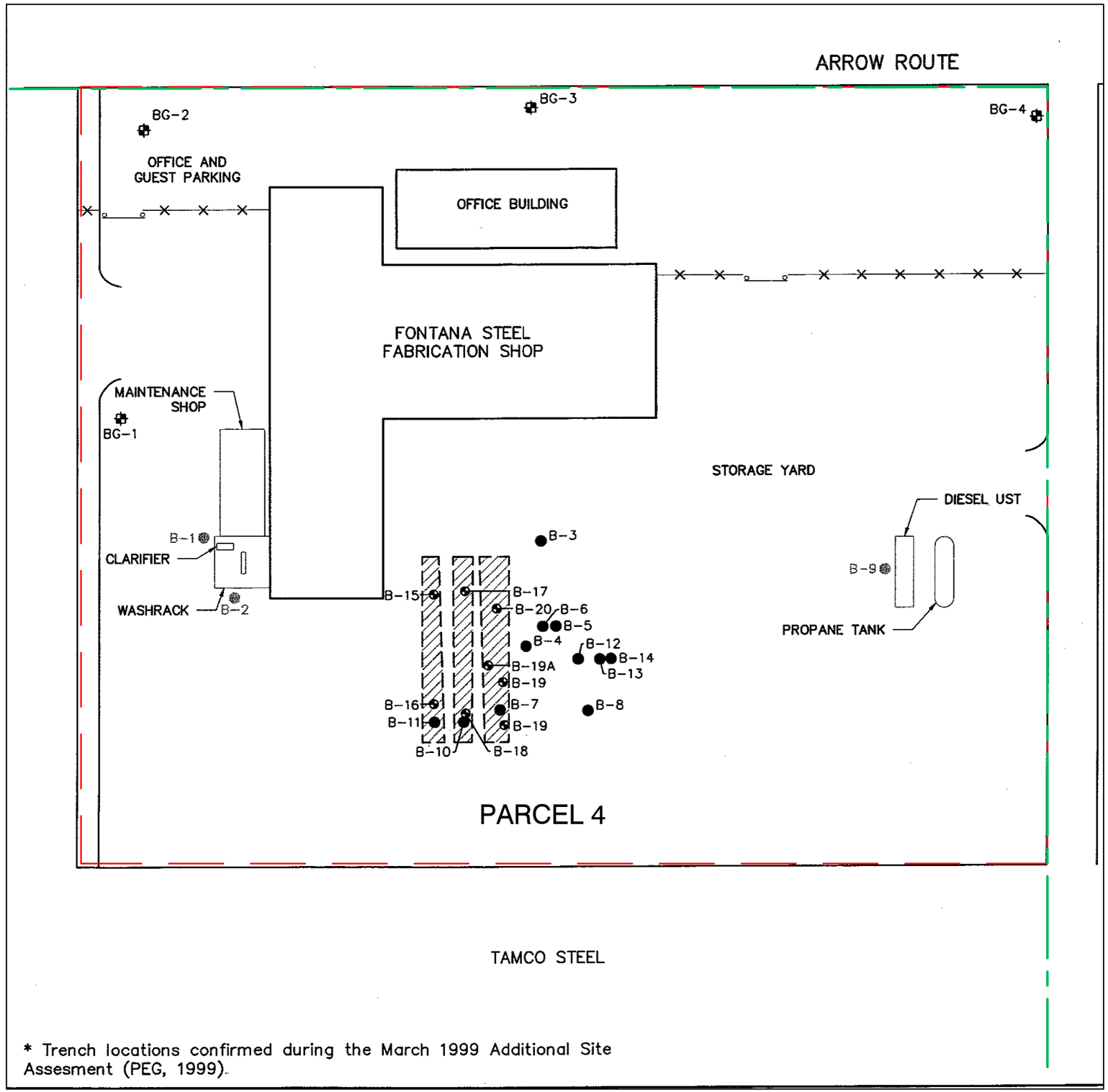
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 7 AUG 2023	FIGURE
Prepared by: M.B.	Scale: NOT TO SCALE	4C
Project Mgr: P.S.	Project: 3200.0007L	
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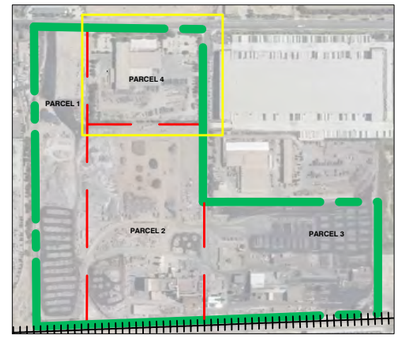
* Trench locations confirmed during the March 1999 Additional Site Assesment (PEG, 1999).

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY

EXPLANATION:

- B-1 ● SOIL BORING LOCATION (PEG, 1999)
- B-15 ⊕ SOIL BORING LOCATION (IT, 2001)
- BG-1 ✿ BACKGROUND SAMPLE LOCATION (IT, 2001)
- TRENCH LOCATION*



LOCATOR MAP

NOTES

FIGURE SOURCE: 2001 IT CORPORATION PRELIMINARY ENDANGERMENT ASSESSMENT, SITE PLAN AND SAMPLE LOCATIONS

N

Title:

2001 FONTANA STEEL
PARCEL 4 SITE PLAN
12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

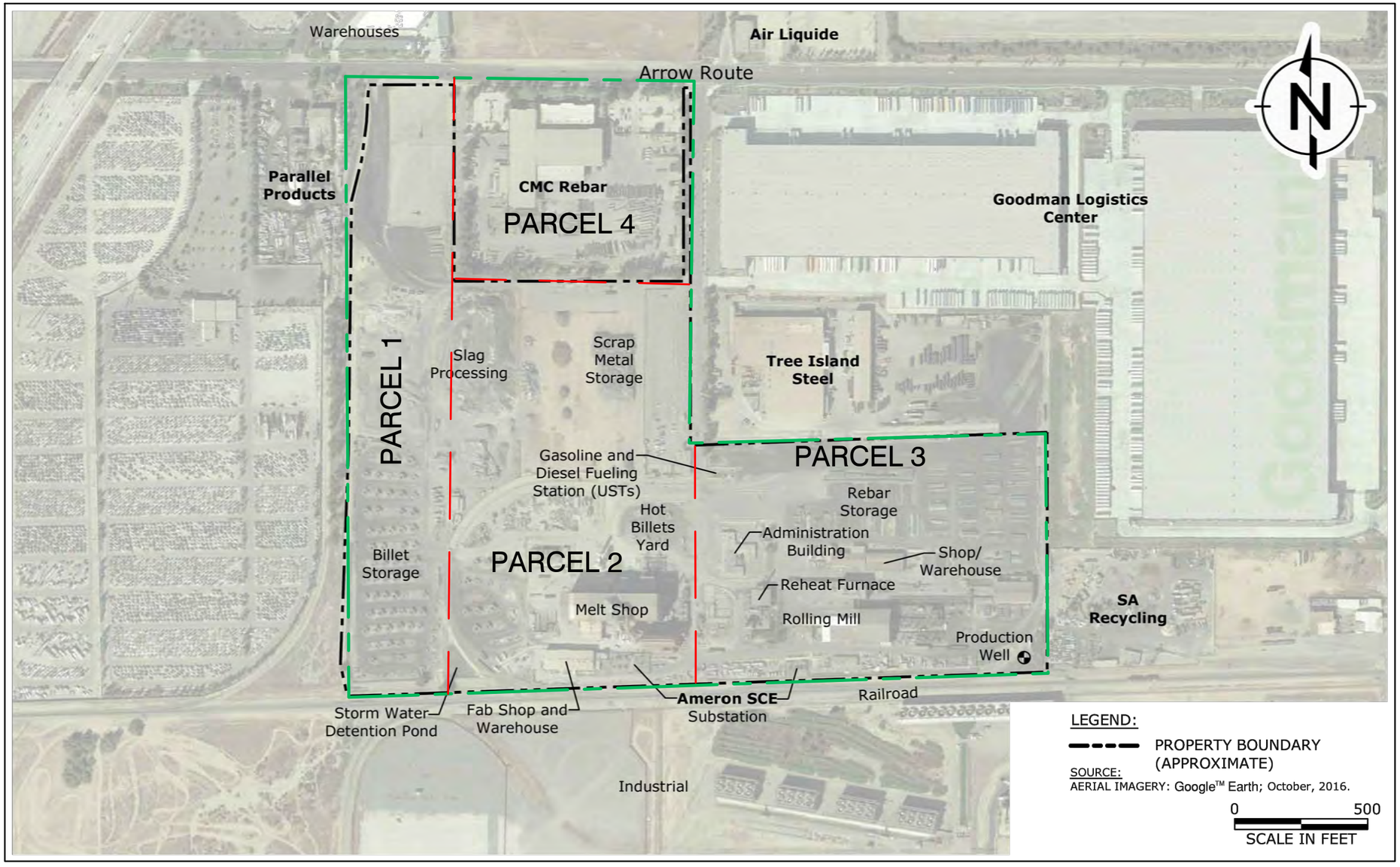
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

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Prepared by: M.B.	Scale: NOT TO SCALE	4D
Project Mgr: P.S.	Project: 3200.0007L	
File: 103_3200.0007L_HISTORICAL SITE PLANS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\110CAD\103_3200.0007L_HISTORICAL SITE PLANS.DWG



LEGEND:

PROPERTY BOUNDARY (APPROXIMATE)

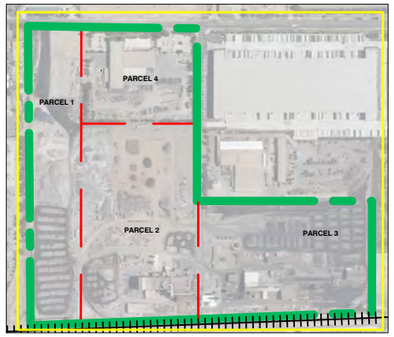
SOURCE:
AERIAL IMAGERY: Google™ Earth; October, 2016.

0 500
SCALE IN FEET

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY



LOCATOR MAP

NOTES

FIGURE SOURCE: 2017 RAMBOLL ENVIRON PHASE I

N

Title:

2017 SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

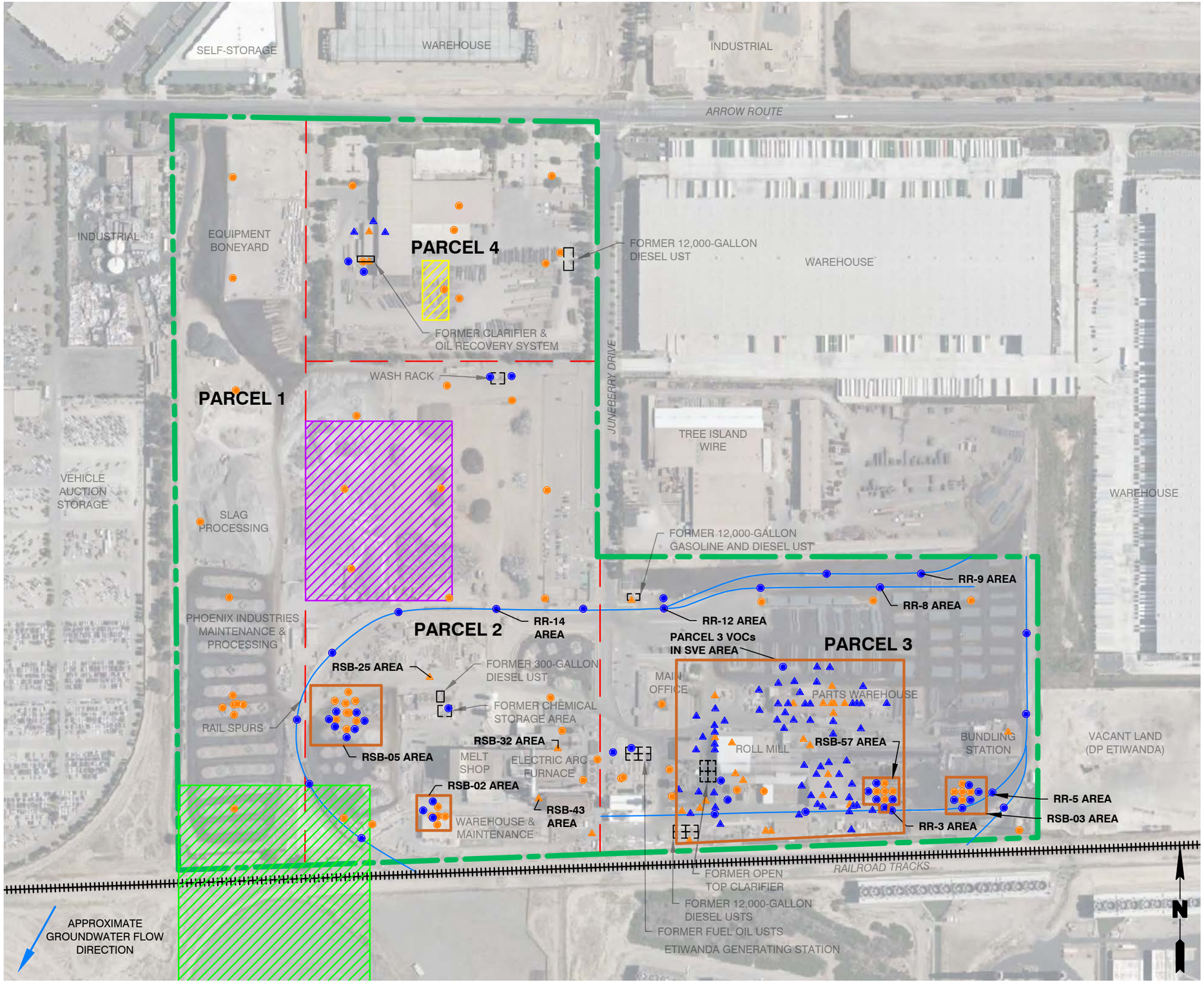
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 7 AUG 2023	FIGURE
Prepared by: M.B.	Scale: NOT TO SCALE	4E
Project Mgr: P.S.	Project: 3200.0007L	
File: 103_3200.0007L_HISTORICAL SITE PLANS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\103_3200.0007L_HISTORICAL SITE PLANS.DWG



S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL BORING LOCATION
- ROUX BORING LOCATION
- RAMROLL SOIL VAPOR BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

1. REFER TO THE FOLLOWING FIGURES/DOCUMENTS FOR A SUMMARY OF ANALYTICAL RESULTS AND PROPOSED DELINEATION SAMPLING IN THE AREAS NOTED IN BOLD:

PARCEL 2:
RR-14 AREA - FIGURE 12
RSB-02 AREA - FIGURE 10
RSB-05 AREA - FIGURE 14
RSB-25 AREA, RSB-32 AREA - FIGURE 18
RSB-43 AREA - FIGURE 10

PARCEL 3:
RR-3 AREA - SEE *TARGETED SHALLOW SOIL INVESTIGATION FOR POLYCHLORINATED BIPHENYLS NEAR RR-3 AND RECOMMENDED ADDITIONAL SAMPLING* MEMO, ROUX, 2023
RR-5 AREA, RR-8 AREA, RR-9 AREA, RR-12 AREA - FIGURE 12
RSB-03 AREA - FIGURE 13
RSB-57 AREA - FIGURE 11
PARCEL 3 VOCS IN SVE AREA - SEE *SOIL VAPOR DELINEATION AND SOIL VAPOR EXTRACTION EXTENDED PILOT TEST WORKPLAN,* ROUX, 2023

300' 0 300'

Title:

SAMPLE LOCATIONS

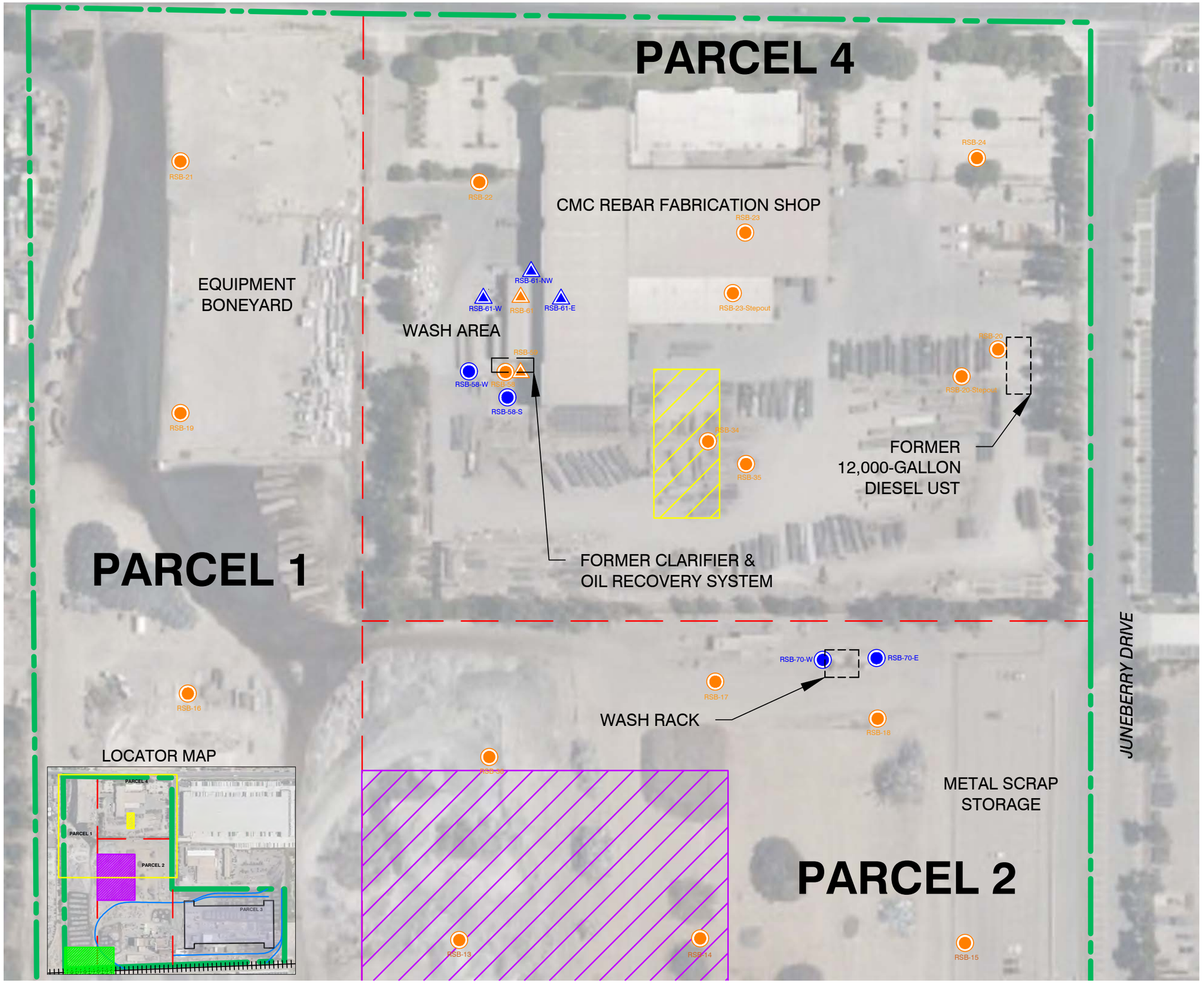
12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 12 OCT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	5
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG		



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

N

120' 0 120'

Title:

SAMPLE LOCATIONS
NORTHWEST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

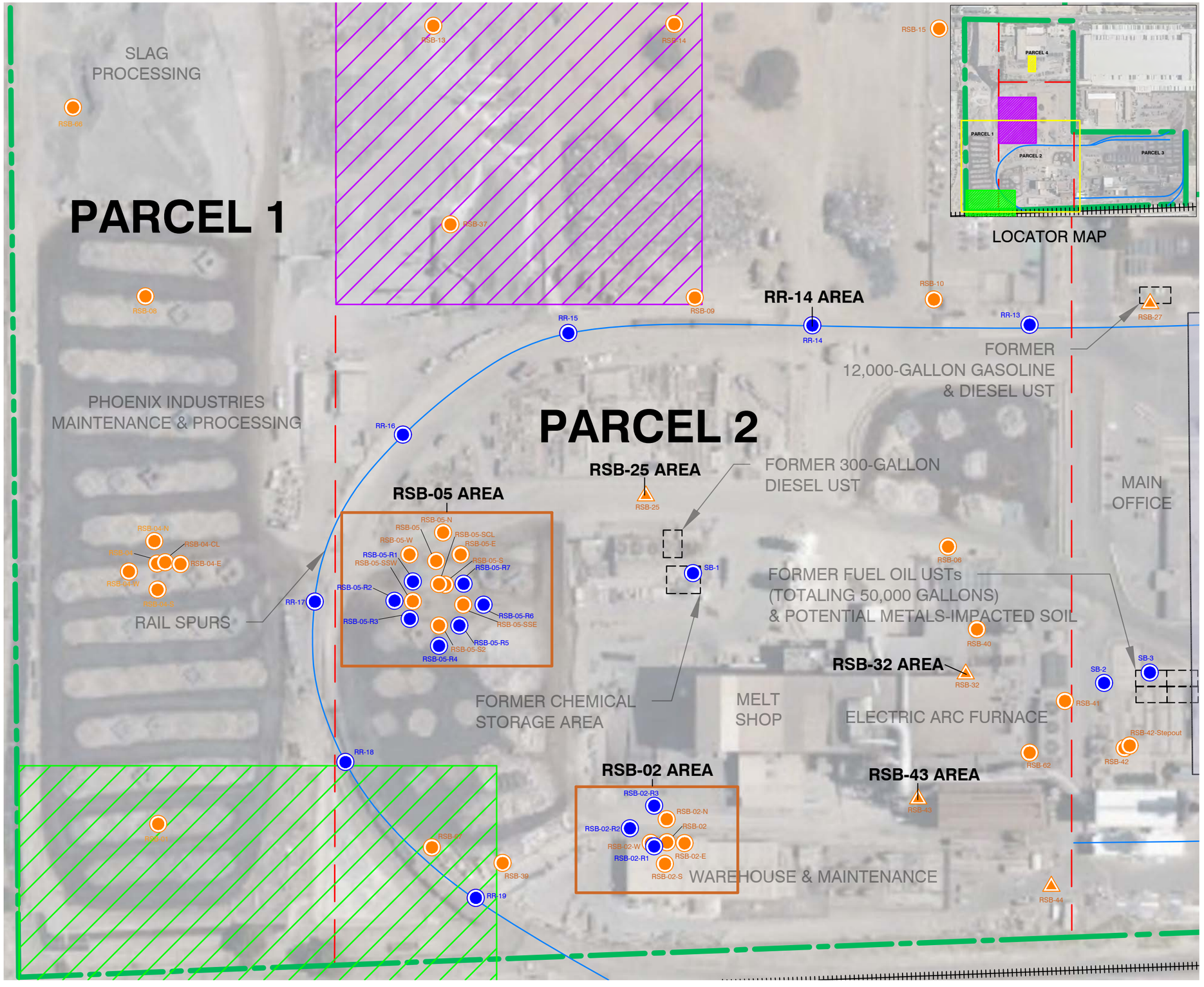
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	6
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 071_3200.0007L_NORTH PARCELS 1 AND 2 SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\071_3200.0007L_NORTH PARCELS 1 AND 2 SAMPLING LOCATIONS.DWG



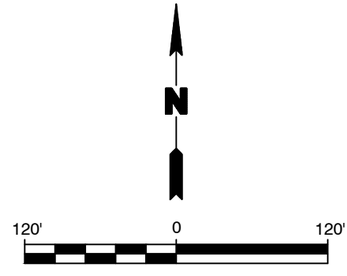
LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

NOTES:

1. REFER TO THE FOLLOWING FIGURES FOR A SUMMARY OF ANALYTICAL RESULTS AND PROPOSED DELINEATION SAMPLING IN THE AREAS NOTED IN BOLD:

RR-14 AREA - FIGURE 12
RSB-02 AREA - FIGURE 10
RSB-05 AREA - FIGURE 14
RSB-25 AREA, RSB-32 AREA - FIGURE 18
RSB-43 AREA - FIGURE 10



Title:

SAMPLE LOCATIONS
SOUTHWEST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 12 OCT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	7
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 070_3200.0007L_SW SECTION OF SITE SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\070_3200.0007L_SW SECTION OF SITE SAMPLING LOCATIONS.DWG

FORMER 12,000-GALLON
GASOLINE AND DIESEL UST

RR-9 AREA

RR-10

RR-9

RR-11

RR-8

RR-8 AREA

SB-4

RSB-27

RSB-11

RSB-68

RSB-12

RR-13

RR-12

RR-12 AREA

LOCATOR MAP

PARCEL 4

PARCEL 1

PARCEL 2

PARCEL 3

PARCEL 3

PARCEL 3 VOCs IN SVE AREA

RR-7

RSB-53-R11

RSB-54-N-R2

RSB-54-N-R3

RSB-53-R1

RSB-53-R2

RSB-54-N-R1

RSB-54-N

RSB-54-NE

RSB-53-R10

RSB-53-R13

MAIN OFFICE

RSB-69

RSB-54-CL

RSB-54

PARTS WAREHOUSE

RSB-54-E3

RSB-53-R3

RSB-53-R14

RSB-54-W

RSB-54-E

RSB-53-R9

RSB-53

RSB-53-R4

RSB-54-E1

RSB-54-E2

RSB-54-E4

RSB-07

RSB-29-R5

RSB-53-R12

RSB-53-R15

RSB-54-S

RSB-29-R6

RSB-29-R3

RSB-29-R4

RSB-53-R5

RSB-53-R6

RSB-53-R7

RSB-54-S1

RR-6

FORMER
FUEL OIL
USTs

RSB-29-R2

RSB-29-R9

RSB-53-R8

RSB-54-SE

RSB-29

RSB-48

RSB-54-S2

RSB-31

SB-3

RSB-29-R8

ROLL MILL

RSB-64

RSB-52

BUNDLING
STATION

SB-2

RSB-29-R7

RSB-29-R1

FORMER OPEN
TOP CLARIFIER

RSB-60-R5

RSB-60-R8

RSB-60-R1

RSB-60-R6

RSB-41

RSB-49

RSB-57 AREA

RSB-03 AREA

RSB-42-Stepout

RSB-60-R2

RSB-60-R4

RSB-60

RSB-38-R6

RSB-57-W

RSB-57-R1

RSB-57-N

RSB-03-R5

RSB-63

RSB-28-R5

RSB-51

RSB-03-N

RSB-03-E

RSB-62

RSB-42

RSB-30-R4

RSB-60-R3

RSB-57

RSB-03-R4

RSB-28-R

RSB-28-R3

RSB-28-R2

RSB-50

RSB-30-R3

RSB-30

RSB-38-R3

RSB-57-R2

RSB-57-E

RSB-03

RSB-03-W

RR-5

RR-5 AREA

RSB-65

RSB-57-S

RSB-45

RSB-28

RSB-30-R1

RSB-57-R3

RSB-57-R5

RSB-03-R1

RSB-03-R3

RSB-46

RSB-47

RSB-28-R6

RSB-38

RSB-38-R5

RSB-03-R2

RSB-03-S

RSB-28-R1

RSB-30-R2

RR-4

RSB-28-R8

RR-1

RSB-38-R1

RSB-38-R2

RSB-57-R4

RR-3

RSB-30-R5

RR-2

RSB-30-R6

RSB-38-R7

RR-3 AREA

RSB-28-R7

RSB-56

RSB-26

RSB-44

RSB-55

RSB-38-R4

RSB-33

FORMER 12,000-GALLON
DIESEL USTS

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

NOTES:

1. REFER TO THE FOLLOWING FIGURES/DOCUMENTS FOR A SUMMARY OF ANALYTICAL RESULTS AND PROPOSED DELINEATION SAMPLING IN THE AREAS NOTED IN BOLD:

RR-3 AREA - SEE *TARGETED SHALLOW SOIL INVESTIGATION FOR POLYCHLORINATED BIPHENYLS NEAR RR-3 AND RECOMMENDED ADDITIONAL SAMPLING* MEMO, ROUX, 2023
RR-5 AREA, RR-8 AREA, RR-9 AREA, RR-12 AREA - FIGURE 12
RSB-03 AREA - FIGURE 13
RSB-57 AREA - FIGURE 11
PARCEL 3 VOCS IN SVE AREA - SEE *SOIL VAPOR DELINEATION AND SOIL VAPOR EXTRACTION EXTENDED PILOT TEST WORKPLAN,* ROUX, 2023

N

120' 0 120'

Title:

SAMPLE LOCATIONS
SOUTHEAST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

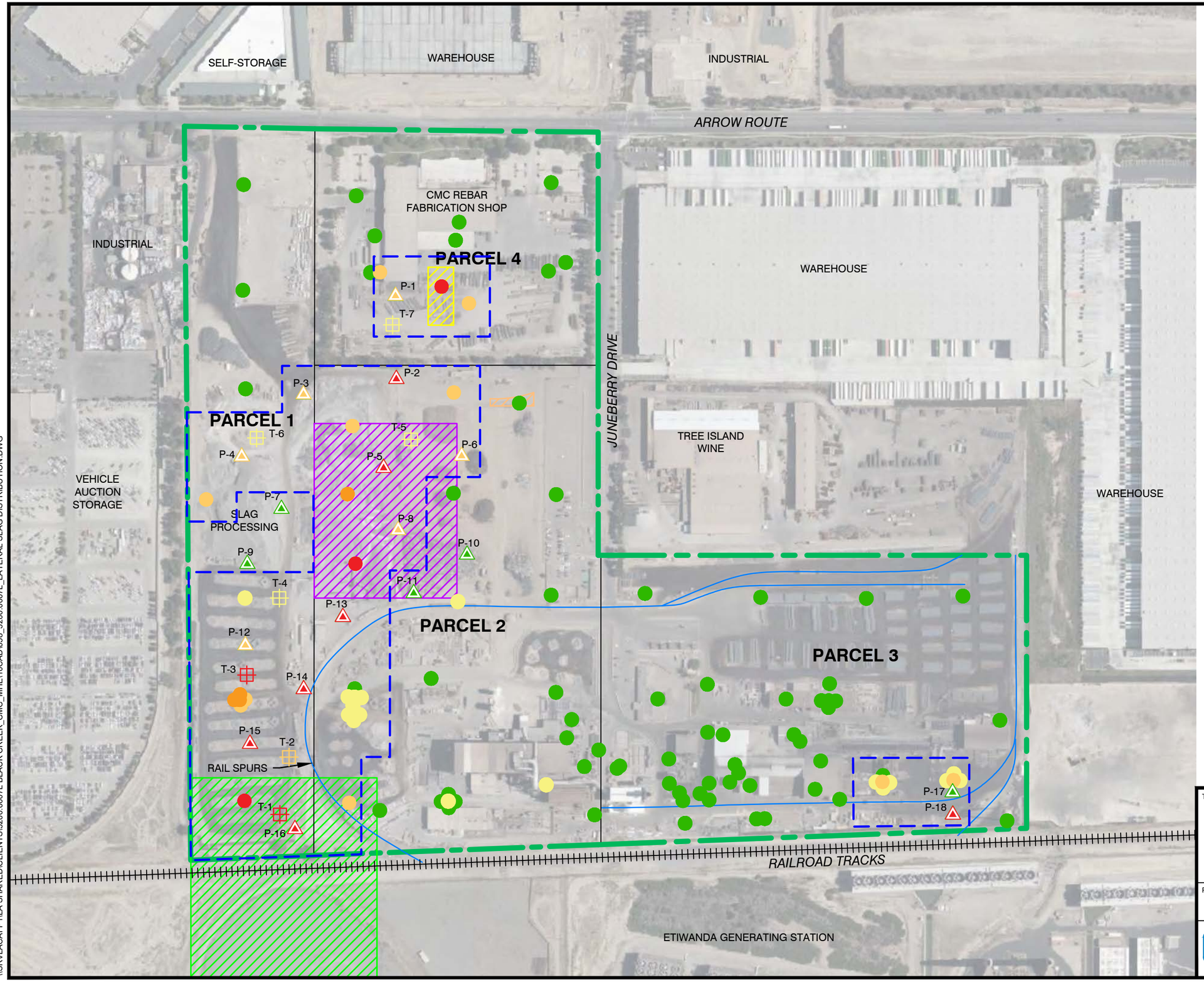
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 12 OCT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	8
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 069_3200.0007L_SE SECTION OF SITE SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\069_3200.0007L_SE SECTION OF SITE SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- P-1 ROUX POTHOLE LOCATION
- T-1 APPROXIMATE ROUX TRENCH LOCATION
- HISTORICAL BORING LOCATION (RAMBOLL 2021)
- APPROXIMATE SLAG DISTRIBUTION

SLAG MAXIMUM DEPTH ENCOUNTERED (FEET BGS)

- NO SLAG ENCOUNTERED
- 0 TO 2.5
- 2.6 TO 5.0
- 5.1 TO 7.5
- 7.5 TO 13

NOTES:

1. SEE FIGURE 2 SITE PLAN FOR MAP OF FORMER INDUSTRIAL AREAS

N

300' 0 300'

Title:

APPROXIMATE LATERAL DISTRIBUTION OF SLAG

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

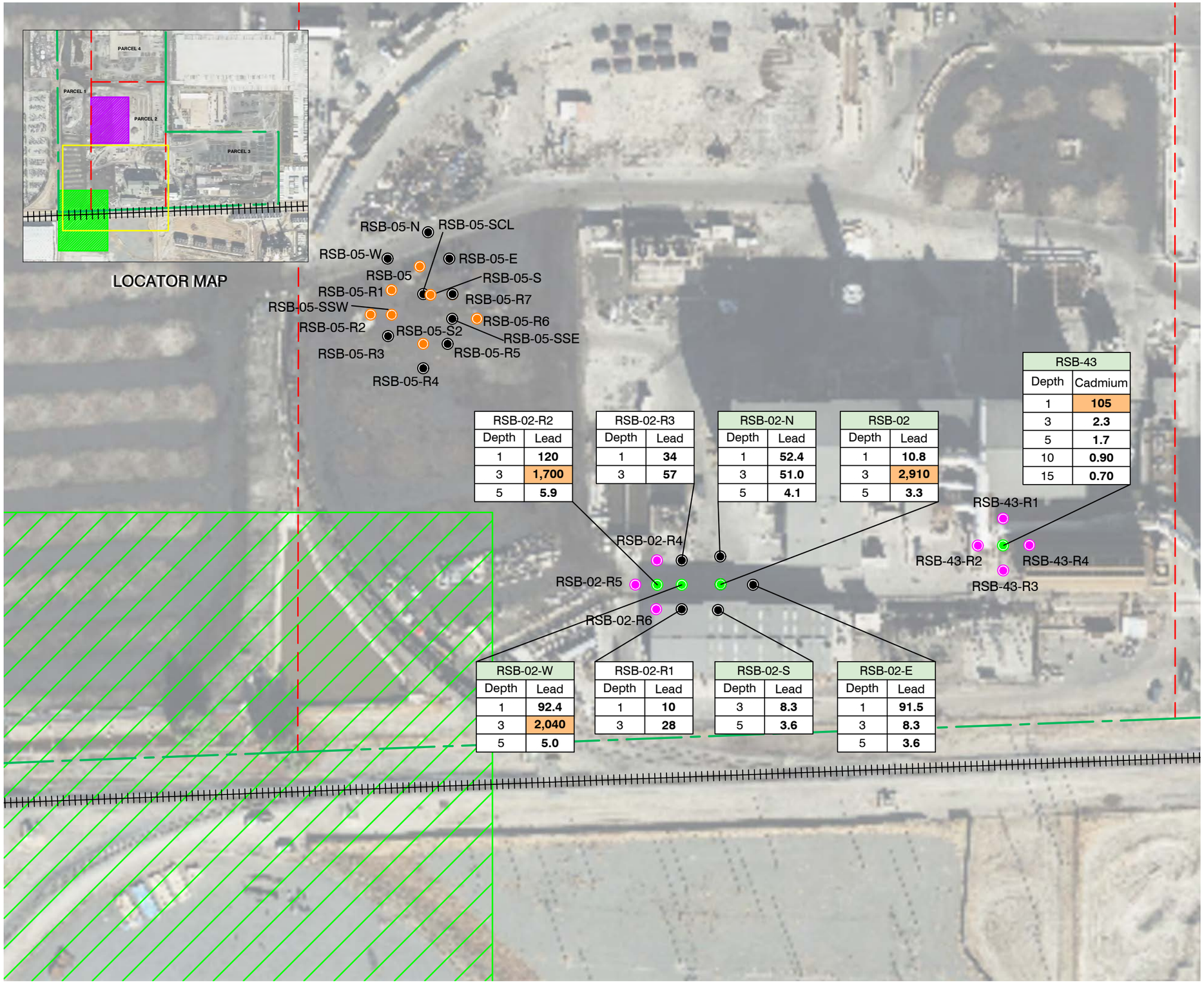
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 DEC 2022
Prepared by: A.P.	Scale: AS SHOWN
Project Mgr: M.J.N.	Project: 3200.0007L
File: 046_3200.007_Roux Pothole Slag and Trench Map.dwg	

FIGURE 9

\\SRVLACAFP1\LA SHARED\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\058_3200.0007L_LATERAL SLAG DISTRIBUTION.DWG



RSB-02-R2	
Depth	Lead
1	**120**
3	**1,700**
5	**5.9**

RSB-02-R3	
Depth	Lead
1	**34**
3	**57**

RSB-02-N	
Depth	Lead
1	**52.4**
3	**51.0**
5	**4.1**

RSB-02	
Depth	Lead
1	**10.8**
3	**2,910**
5	**3.3**

RSB-43	
Depth	Cadmium
1	**105**
3	**2.3**
5	**1.7**
10	**0.90**
15	**0.70**

RSB-02-W	
Depth	Lead
1	**92.4**
3	**2,040**
5	**5.0**

RSB-02-R1	
Depth	Lead
1	**10**
3	**28**

RSB-02-S	
Depth	Lead
3	**8.3**
5	**3.6**

RSB-02-E	
Depth	Lead
1	**91.5**
3	**8.3**
5	**3.6**

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RSB-09 — BORING LOCATION (RAMBOLL 2020/2021; ROUX 2011)
- RSB-02-R2 — LEAD OR CADMIUM EXCEEDANCE IN SOIL (RAMBOLL 2020/2021; ROUX 2011)
- RSB-05-R1 — DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021; ROUX 2011)
- RSB-02-R4 — PROPOSED SOIL BORINGS

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN DIESEL RANGE
3. LEAD AND CADMIUM MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
4. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 500 MG/KG, FOR CADMIUM IS 79 MG/KG
6. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 800 MG/KG, FOR CADMIUM IS 100 MG/KG
7. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
8. SEE FIGURE 14 FOR RESULTS AND PROPOSED DELINEATION SAMPLING IN THE RSB-05 AREA

N

100' 0 100'

Title:

PARCEL 2 - LEAD AND CADMIUM IN SOIL (RSB-02 AND RSB-43 AREAS)

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

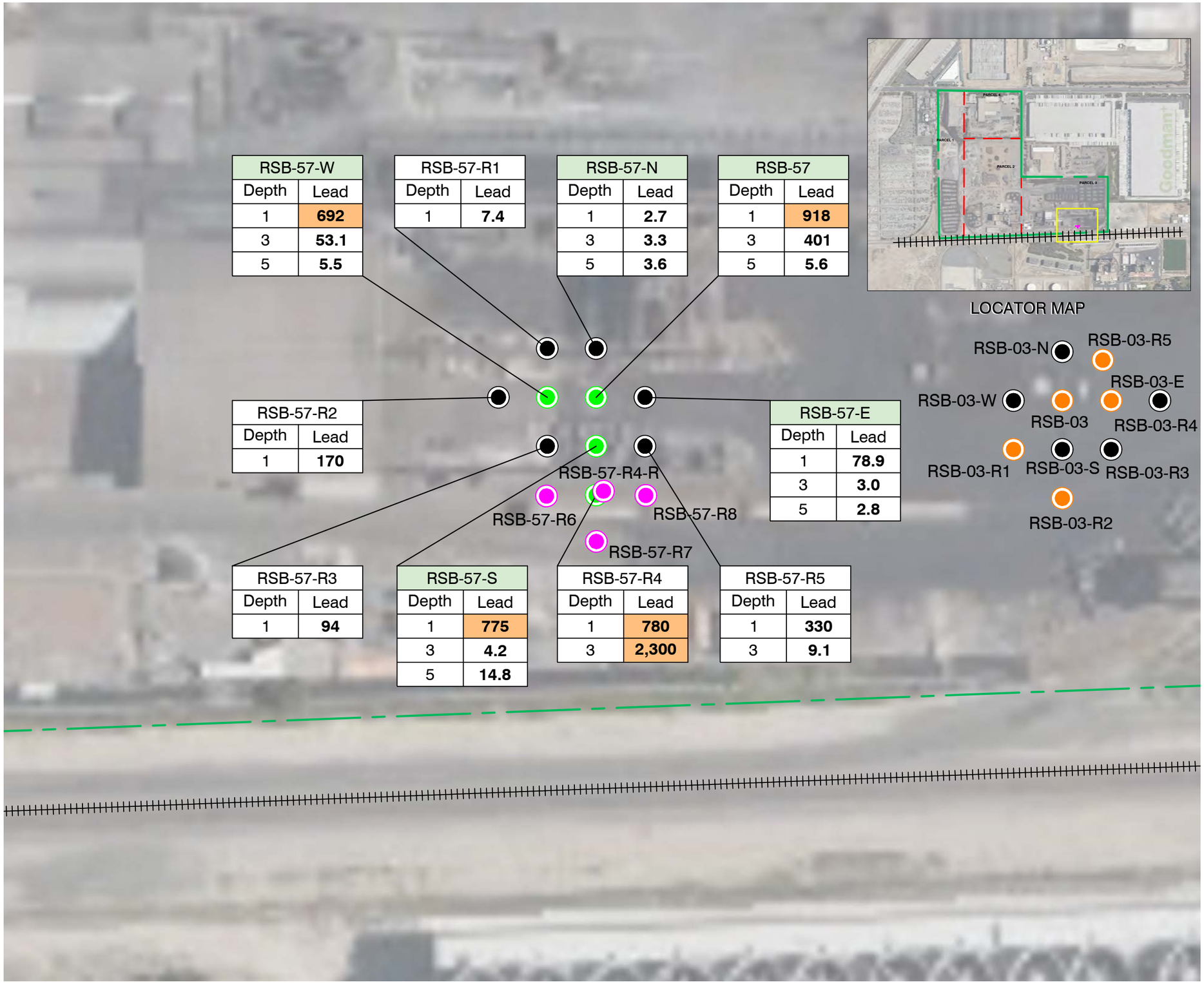
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 12 OCT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	10
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 015_3200.0007L_PARCEL 2 LEAD DATA_RECOVER.DWG		

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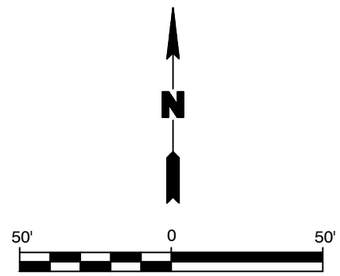
LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- BORING LOCATION (RAMBOLL 2020/2021; ROUX 2021)
- LEAD EXCEEDANCE IN SOIL (RAMBOLL 2020/2021; ROUX 2021)
- DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021; ROUX 2021)
- PROPOSED SOIL BORINGS

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
3. LEAD MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
4. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 500 MG/KG
6. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 800 MG/KG
7. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
8. ADDITIONAL STEP OUT SAMPLES WILL BE COLLECTED AS NECESSARY TO DELINEATE EACH AREA HORIZONTALLY AND VERTICALLY
9. REFER TO FIGURE 13 FOR RESULTS AND PROPOSED DELINEATION SAMPLING IN THE RSB-03 AREA



Title:

SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL (RSB-57 AREA)

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

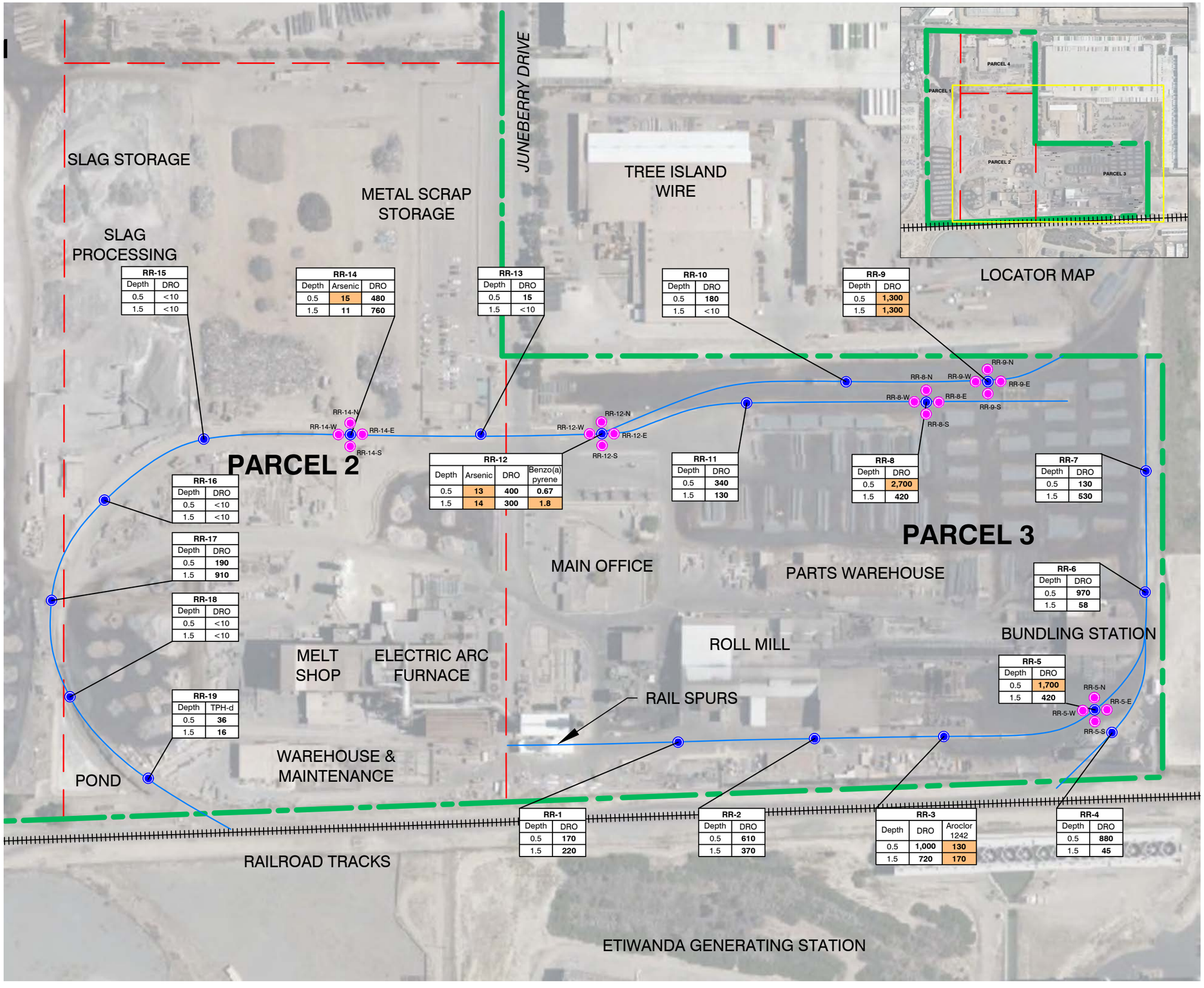
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 11 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	11
Project Mgr: P.S.	Project: 3200.0007L	
File: 012_3200.0007L_SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\012_3200.0007L_SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL.DWG



RR-15	
Depth	DRO
0.5	<10
1.5	<10

RR-14		
Depth	Arsenic	DRO
0.5	**15**	**480**
1.5	**11**	**760**

RR-13	
Depth	DRO
0.5	**15**
1.5	<10

RR-10	
Depth	DRO
0.5	**180**
1.5	<10

RR-9	
Depth	DRO
0.5	**1,300**
1.5	**1,300**

RR-16	
Depth	DRO
0.5	<10
1.5	<10

RR-12			
Depth	Arsenic	DRO	Benzo(a) pyrene
0.5	**13**	**400**	**0.67**
1.5	**14**	**300**	**1.8**

RR-11	
Depth	DRO
0.5	**340**
1.5	**130**

RR-8	
Depth	DRO
0.5	**2,700**
1.5	**420**

RR-7	
Depth	DRO
0.5	**130**
1.5	**530**

RR-17	
Depth	DRO
0.5	**190**
1.5	**910**

RR-18	
Depth	DRO
0.5	<10
1.5	<10

RR-6	
Depth	DRO
0.5	**970**
1.5	**58**

RR-19	
Depth	TPH-d
0.5	**36**
1.5	**16**

RR-5	
Depth	DRO
0.5	**1,700**
1.5	**420**

RR-1	
Depth	DRO
0.5	**170**
1.5	**220**

RR-2	
Depth	DRO
0.5	**610**
1.5	**370**

RR-3		
Depth	DRO	Aroclor 1242
0.5	**1,000**	**130**
1.5	**720**	**170**

RR-4	
Depth	DRO
0.5	**880**
1.5	**45**

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARIES
- RAIL SPURS
- RR-1 RAIL SPUR SOIL SAMPLE LOCATIONS (ROUX, 2021)
- PROPOSED SOIL BORINGS

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
3. CONCENTRATIONS ARE IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
4. ORANGE HIGHLIGHT INDICATE RESULTS EXCEED SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES (DTSC) HUMAN AND ECOLOGICAL RISK OFFICE (HERO) HUMAN HEALTH RISK ASSESSMENT (HHRA) NOTE 3 INDUSTRIAL SCREENING LEVEL FOR BENZO(A)PYRENE IS 1.3 MG/KG, FOR AROCLOR-1242 IS 0.58 MG/KG
6. CALIFORNIA UPPER CONFIDENCE LIMIT AND BACKGROUND CONCENTRATION OF ARSENIC IN SOIL IS 12 MG/KG
7. SAN FRANCISCO REGIONAL WATER QUALITY CONTROL BOARD (SFRWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE (2019) FOR DRO IS 1200 MG/KG
8. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
9. RR-3 AREA - SEE *TARGETED SHALLOW SOIL INVESTIGATION FOR POLYCHLORINATED BIPHENYLS NEAR RR-3 AND RECOMMENDED ADDITIONAL SAMPLING* MEMO, ROUX, 2023

N

200' 0 200'

Title:

RAIL SPURS PARCELS 2 AND 3 EXCEEDANCES IN SOIL (RR-5, RR-8, RR-9, RR-12, RR-14 AREAS)

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

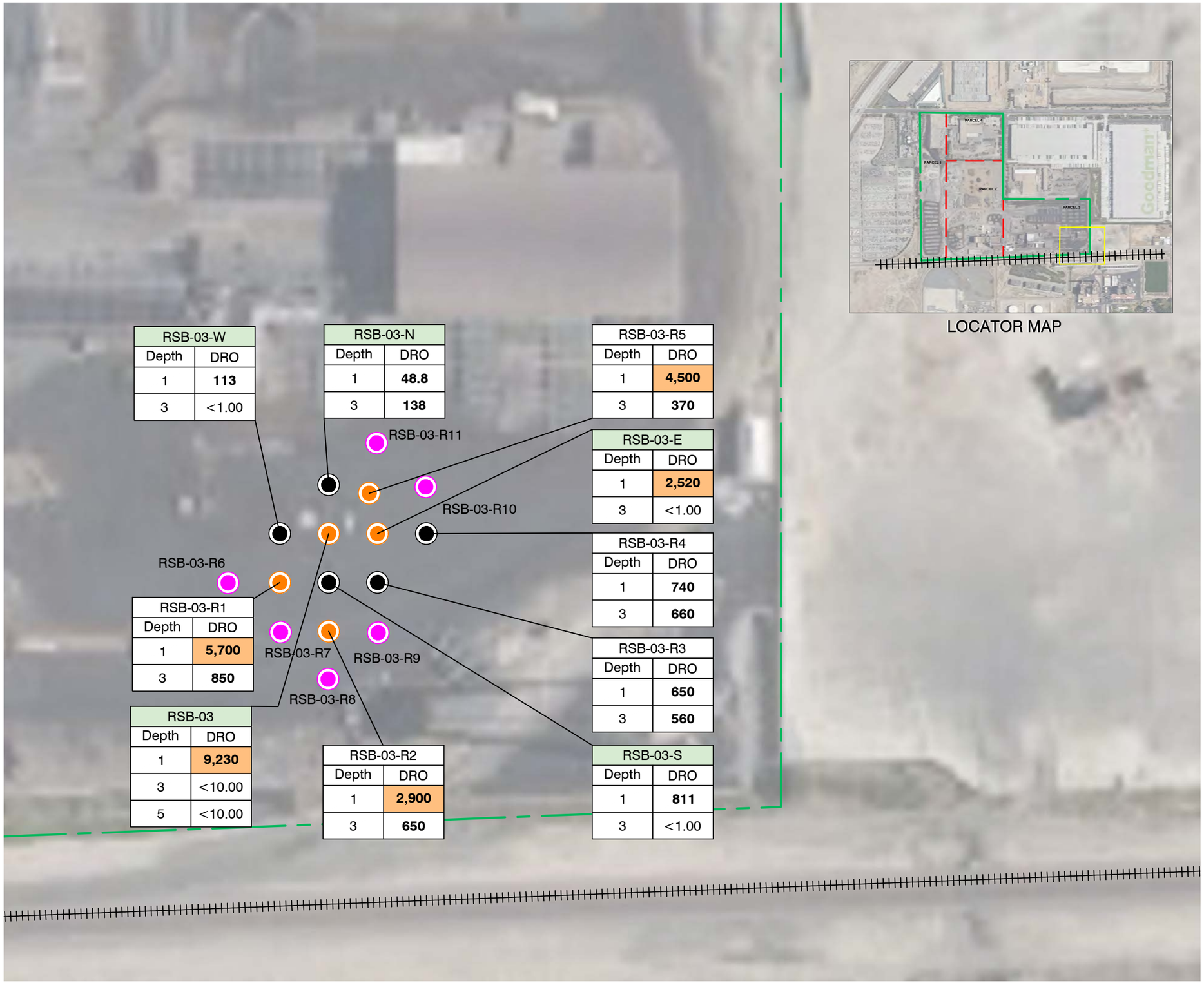
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 12 OCT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	12
Project Mgr: P.S.	Project: 3200.0007L	
File: 074_3200.0007L_RAIL SPUR WITH LEAD AND TPH.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE110CAD\074_3200.0007L_RAIL SPUR WITH LEAD AND TPH.DWG



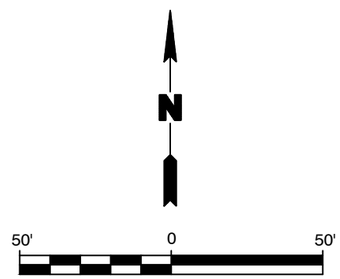
LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- BORING LOCATION (RAMBOLL 2020/2021; ROUX 2021)
- DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021; ROUX 2021)
- PROPOSED SOIL BORING

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. GRO = TOTAL PETROLEUM HYDROCARBONS IN THE GASOLINE RANGE
3. TPH = TOTAL PETROLEUM HYDROCARBONS
4. TPH MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
5. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED THE SCREENING LEVELS
6. SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (SFBRWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE (2019) FOR DRO IS 1,200 MG/KG
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LEVEL
8. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
9. ADDITIONAL STEP-OUT SAMPLES WILL BE COLLECTED AS NECESSARY TO DELINEATE EACH AREA HORIZONTALLY AND VERTICALLY



Title:

SOUTHERN PORTION OF PARCEL 3 - DRO IN SOIL (RSB-03 AREA)

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

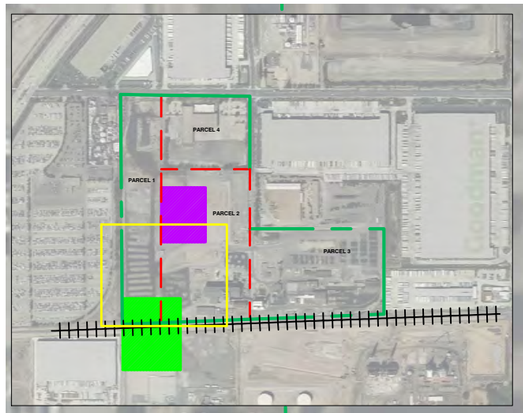
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.MOK	Date: 12 OCT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	13
Project Mgr: P.S.	Project: 3200.0007L	
File: 013_3200.0007L_SOUTHERN PORTION OF PARCEL 3 SOIL BORINGS WITH DRO.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\013_3200.0007L_SOUTHERN PORTION OF PARCEL 3 SOIL BORINGS WITH DRO.DWG



LOCATOR MAP

PARCEL 1

PARCEL 2

RSB-05-SCL*	
Depth	DRO
0.5	<10.00
3	<10.00
5	<10.00
10	<10.00

RSB-05*	
Depth	DRO
1	**2,210**
3	<1.0
5	<1.0

RSB-05-N*	
Depth	DRO
3	<1.00

RSB-05-E*	
Depth	DRO
1	<1.0
3	<1.0

RSB-05-S*	
Depth	DRO
1	**672**
3	**6,000**

RSB-05-R7	
Depth	DRO
1	**52**

RSB-05-R6	
Depth	DRO
1	**3,100**

RSB-05-SSE	
Depth	DRO
0.5	**1,040**
1	<10
3	<10
5	<10

RSB-05-R5	
Depth	DRO
5	<10

RSB-05-R4	
Depth	DRO
1	**440**

RSB-05-W	
Depth	DRO
1	<1.0
3	<1.0

RSB-05-R1	
Depth	DRO
1	**2,300**
3	<10

RSB-05-R2	
Depth	DRO
1	**2,200**
3	**20**

RSB-05-SSW	
Depth	DRO
0.5	**1,800**
3	<10
5	<10
10	<10

RSB-05-R3	
Depth	DRO
1	**1,000**
3	<10

RSB-05-S2	
Depth	DRO
0.5	**7,590**
3	<10.00
5	<10.00
10	<10.00

RSB-05-R8
RSB-05-R13
RSB-05-R9
RSB-05-R12
RSB-05-R6-R
RSB-05-R10
RSB-05-R11
RSB-05-R5-R

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- BORING LOCATION (RAMBOLL 2020/2021; ROUX 2021)
- DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021; ROUX 2021)
- PROPOSED SOIL BORING

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
3. TPH = TOTAL PETROLEUM HYDROCARBONS
4. TPH MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
5. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED THE SCREENING LEVEL
6. SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (SFBRWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE (2019) FOR DRO IS 1,200 MG/KG
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LEVEL
8. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
9. ADDITIONAL STEP-OUT SAMPLES WILL BE COLLECTED AS NECESSARY TO DELINEATE EACH AREA HORIZONTALLY AND VERTICALLY

N

100' 0 100'

Title:

PARCEL 2 - DRO IN SOIL (RSB-05 AREA)

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

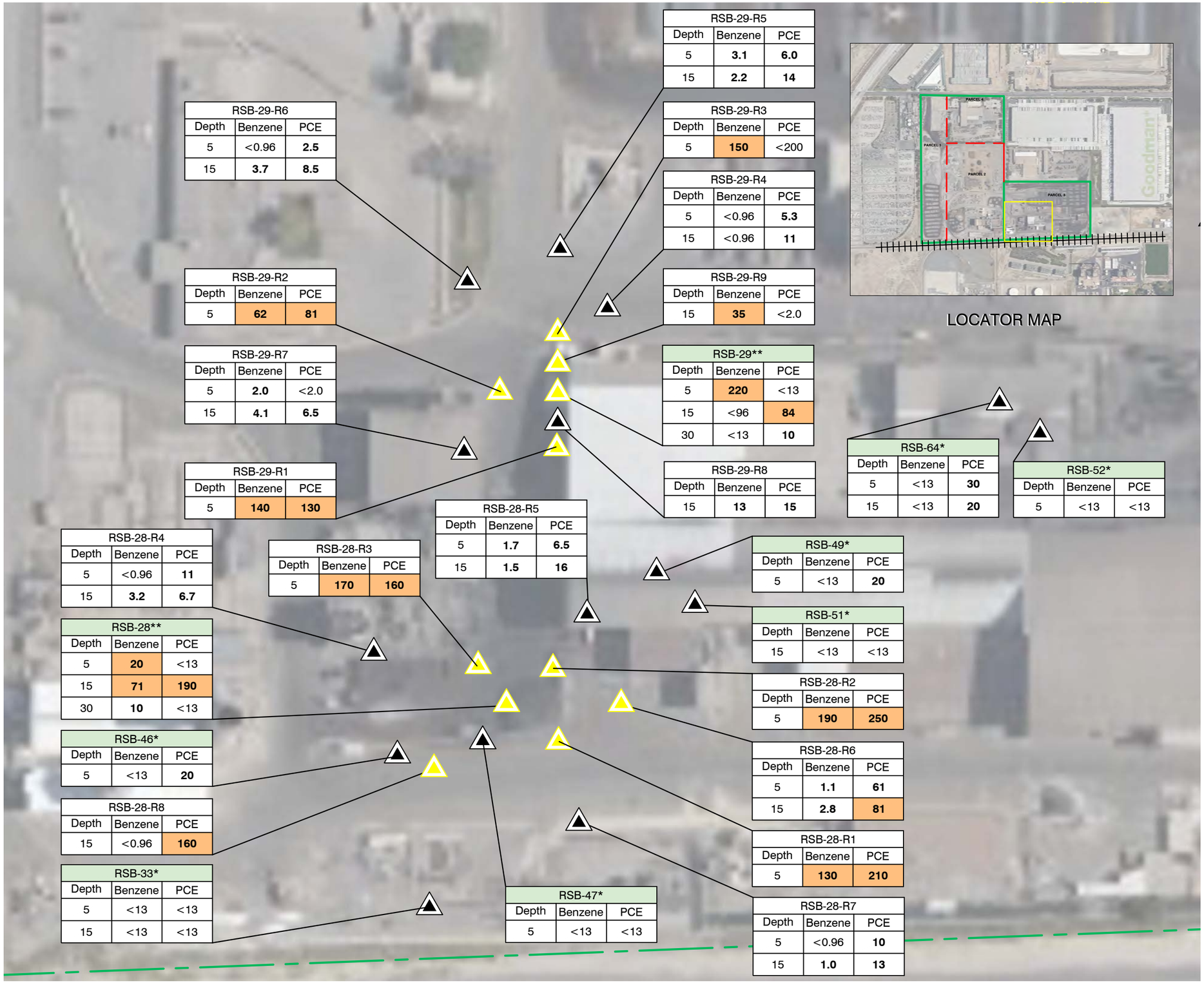
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 12 OCT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	14
Project Mgr: P.S.	Project: 3200.0007L	
File: 014_3200.0007L_PARCEL 2 TPH DATA.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\014_3200.0007L_PARCEL 2 TPH DATA.DWG



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SOIL VAPOR LOCATION (RAMBOLL 2020/2021; ROUX 2021)
- EXCEEDANCE IN SOIL VAPOR (RAMBOLL 2020/2021; ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. BENZENE AND PCE MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
3. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3 AND FOR PCE IS 67 UG/M^3
4. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 57 UG/M^3 AND NO ESTABLISHED SCREENING LEVEL FOR PCE
5. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
6. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
7. * = ALL SAMPLES WERE COLLECTED BY RAMBOLL IN 2020/2021
8. ** = 5 FOOT AND 30 FOOT SAMPLES WERE COLLECTED BY RAMBOLL IN 2020/2021, 15 FOOT SAMPLE WAS COLLECTED BY ROUX
9. FOR PROPOSED SOIL VAPOR DELINEATION SAMPLES SEE *SOIL VAPOR DELINEATION AND SOIL VAPOR EXTRACTION EXTENDED PILOT TEST WORKPLAN,* ROUX 2023

N

60' 0 60'

Title:

SOUTHWESTERN PORTION OF PARCEL 3 PCE & BENZENE IN SOIL VAPOR

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 20 OCT 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 60'	15
Project Mgr: M.J.N	Project: 3200.0007L	
File: 031_3200.0007L_SW PORTION OF PARCEL 3 PCE & BENZENE.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\031_3200.0007L_SW PORTION OF PARCEL 3 PCE & BENZENE.DWG

RSB-60-R8				
Depth	Benzene	PCE	TCE	Chloroform
15	**3.7**	**150**	**69**	**2.6**
35	<0.96	**190**	**480**	**28**

RSB-60-R5				
Depth	Benzene	PCE	TCE	Chloroform
5	**1.2**	**150**	**4.2**	<1.5
15	**1.3**	**200**	**46**	**4.5**

RSB-60-R4				
Depth	Benzene	PCE	TCE	Chloroform
5	**1.1**	**140**	**10**	<1.5

RSB-60-R3				
Depth	Benzene	PCE	TCE	Chloroform
5	**29**	**170**	**9.3**	<1.5

RSB-30-R4				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	**27**	<1.6	<0.15
15	**8.1**	**73**	**76**	**20**

RSB-30-R3				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	**680**	**9.9**	<0.15
15	**5.3**	**540**	**81**	**11**

RSB-30*				
Depth	Benzene	PCE	TCE	Chloroform
5	<13	**100**	**13**	<13
15	<13	**80**	**40**	<13

RSB-30-R6				
Depth	Benzene	PCE	TCE	Chloroform
35	**3.3**	**88**	**550**	**86**

RSB-30-R5				
Depth	Benzene	PCE	TCE	Chloroform
5	**1.5**	**66**	**5.0**	<1.5
15	**11**	**67**	**23**	**6.9**

RSB-30-R2				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	**230**	**9.0**	<1.5
15	**1.7**	**240**	**170**	**17**

RSB-60-R1				
Depth	Benzene	PCE	TCE	Chloroform
5	**1.7**	**300**	**3.8**	<1.5

RSB-60*				
Depth	Benzene	PCE	TCE	Chloroform
5	<13	**130**	<13	<13
15	<13	**580**	**15**	<1.6

RSB-60-R6				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	**21**	**47**	<1.5
15	**2.3**	**13**	**200**	**2.7**

RSB-60-R2				
Depth	Benzene	PCE	TCE	Chloroform
5	**12**	**350**	**8.5**	<1.6

RSB-38-R6				
Depth	Benzene	PCE	TCE	Chloroform
5	**1.1**	**17**	<1.6	6
15	**5.5**	**24**	<1.6	<1.5

RSB-38-R3				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	<2.0	**4.1**	<1.5

RSB-38-R5				
Depth	Benzene	PCE	TCE	Chloroform
5	**1.4**	**3.7**	<1.6	<1.5
15	**2.1**	**6.1**	<1.6	<1.5

RSB-38-R2				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	**170**	<1.6	**8.0**

RSB-38-R7				
Depth	Benzene	PCE	TCE	Chloroform
35	<0.96	**45**	**270**	**25**

RSB-38*				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	**93**	<13	<13
15	<0.96	**1,000**	**8.8**	<1.5

RSB-38-R1				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	**570**	<1.6	<1.5

RSB-30-R1				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	**130**	**8.1**	<1.5
15	**11**	**65**	**86**	**13**

RSB-38-R4				
Depth	Benzene	PCE	TCE	Chloroform
5	<0.96	**2.3**	<1.6	<1.5
15	**1.3**	**3.1**	<1.6	<1.5

RSB-64

RSB-52

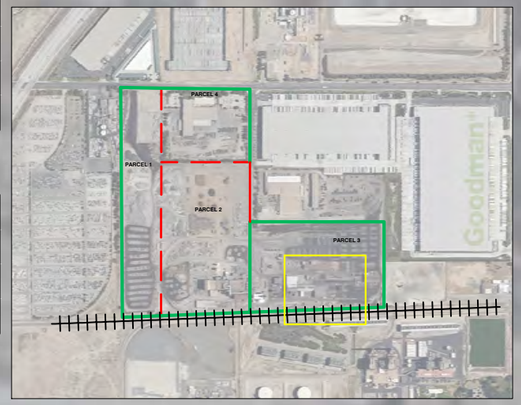
RSB-57-N

RSB-57

RSB-57-W

RSB-57-E

RSB-57-S



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- BORING LOCATION (RAMBOLL 2020/2021)
- SOIL VAPOR LOCATION (RAMBOLL 2020/2021; ROUX 2021)
- EXCEEDANCE IN SOIL VAPOR (RAMBOLL 2020/2021; ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. TCE = TRICHLOROETHENE
4. ALL ANALYTES MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
5. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS (SL)
6. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3, FOR PCE IS 67 UG/M^3, FOR TCE IS 100 UG/M^3, AND NO ESTABLISHED SL FOR CHLOROFORM
7. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 53 UG/M^3, FOR TCE IS 100 UG/M^3, FOR CHLOROFORM IS 18 UG/M^3, AND NO ESTABLISHED SL FOR PCE
8. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
9. GREEN HIGHLIGHT INDICATES DATA COLLECTED BY RAMBOLL
10. * = 5 FOOT SAMPLE WAS COLLECTED BY RAMBOLL IN 2020/2021, 15 FOOT SAMPLE WAS COLLECTED BY ROUX IN 2021
11. FOR PROPOSED SOIL VAPOR DELINEATION SAMPLES SEE *SOIL VAPOR DELINEATION AND SOIL VAPOR EXTRACTION EXTENDED PILOT TEST WORKPLAN*, ROUX 2023

N

60' 0 60'

Title:

SOUTHERN PORTION OF PARCEL 3 PCE, BENZENE, TCE, AND CHLOROFORM IN SOIL VAPOR

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 20 OCT 2023
Prepared by: M.B.	Scale: 1" = 60'
Project Mgr: M.J.N	Project: 3200.0007L
File: 033_3200.0007L_SOUTHERN PORTION OF PARCEL 3 PCE & BENZENE.DWG	

FIGURE 16

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\033_3200.0007L_SOUTHERN PORTION OF PARCEL 3 PCE & BENZENE.DWG

RSB-53-N-R1		
Depth	Benzene	PCE
15	<0.96	**150**

RSB-53-N-R2		
Depth	Benzene	PCE
15	<1.0	**35**

RSB-54-N**		
Depth	Benzene	PCE
5	<13	**10**
15	<13	**110**
35	<13	**100**

RSB-54-CL**		
Depth	Benzene	PCE
15	<25	**7,800**
35	<25	**240**

RSB-53-N-R11		
Depth	Benzene	PCE
5	<0.96	**23**
15	<0.96	**44**

RSB-53-N-R3		
Depth	Benzene	PCE
15	<0.96	**14**

RSB-54**		
Depth	Benzene	PCE
5	<13	**100,000**
5	<500	**34,000**

RSB-53-N-R2		
Depth	Benzene	PCE
5	<1.9	**82**

RSB-54-E**		
Depth	Benzene	PCE
5	<25	**3,100**
15	<25	**1,900**
35	<13	**80**

RSB-53-N-R13		
Depth	Benzene	PCE
15	<2.4	**880**

RSB-54-NE		
Depth	Benzene	PCE
5	<0.96	**12**
15	<0.96	**47**
35	<0.96	**62**

RSB-54-E1		
Depth	Benzene	PCE
5	<1.0	**790**
15	<10	**2,500**

RSB-53-R1		
Depth	Benzene	PCE
5	<0.96	**88**

RSB-54-E2		
Depth	Benzene	PCE
5	<5.1	**1,500**
15	<5.1	**1,700**

RSB-53-R10		
Depth	Benzene	PCE
5	<0.96	**55**
15	**1.1**	**24**

RSB-54-E4		
Depth	Benzene	PCE
5	<0.96	**2.7**
15	**1.2**	**2.2**
35	<0.96	**8.0**

RSB-53-R3		
Depth	Benzene	PCE
5	<0.96	**200**

RSB-54-E3		
Depth	Benzene	PCE
35	<3.8	**860**

RSB-53-R9		
Depth	Benzene	PCE
5	<0.96	**25**
15	<0.96	**45**

RSB-54-S**		
Depth	Benzene	PCE
5	<13	**330**
15	<13	**180**
35	<13	**50**

RSB-53-R14		
Depth	Benzene	PCE
35	**3.7**	**540**

RSB-53*		
Depth	Benzene	PCE
5	<13	**210**
15	<0.96	**1,100**

RSB-54-SE		
Depth	Benzene	PCE
5	<0.96	**3.8**
15	<0.96	**14**
35	<0.96	**30**

RSB-53-R7		
Depth	Benzene	PCE
5	<1.3	**190**

RSB-54-S1		
Depth	Benzene	PCE
5	<0.96	**180**
15	<0.96	**570**

RSB-53-R5		
Depth	Benzene	PCE
5	<0.96	**93**

RSB-53-R6		
Depth	Benzene	PCE
5	<1.0	**100**

RSB-53-R4		
Depth	Benzene	PCE
5	<0.96	**1,300**

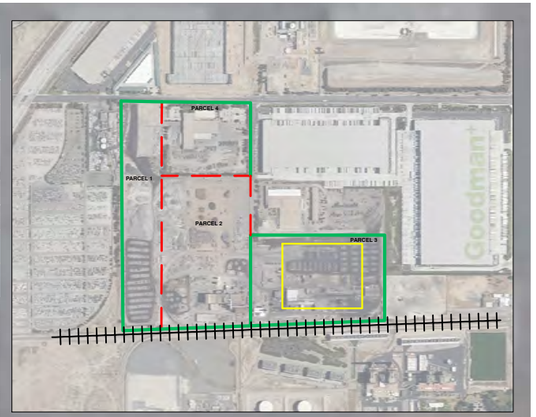
RSB-53-R12		
Depth	Benzene	PCE
15	<0.96	**210**

RSB-53-R8		
Depth	Benzene	PCE
5	<0.96	**440**
15	<0.96	**460**

RSB-53-R15		
Depth	Benzene	PCE
15	**1.3**	**660**
35	**1.2**	**840**

RSB-54-W**		
Depth	Benzene	PCE
5	<13	**170**
15	<13	**410**
35	<13	**580**

RSB-54-S2		
Depth	Benzene	PCE
5	**1.3**	**23**
15	<0.96	**22**
35	**1.9**	**12**



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SOIL VAPOR LOCATION (RAMBOLL 2020/2021; ROUX 2021)
- EXCEEDANCE IN SOIL VAPOR (RAMBOLL 2020/2021; ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE AND BENZENE MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3 AND FOR PCE IS 67 UG/M^3
6. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 53 UG/M^3 AND NO ESTABLISHED SCREENING LEVEL FOR PCE
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
8. GREEN HIGHLIGHT INDICATES DATA COLLECTED BY RAMBOLL
9. * = 5 FOOT SAMPLE WAS TAKEN BY RAMBOLL IN 2020/2021, 15 FOOT SAMPLE WAS TAKEN BY ROUX IN 2021
10. ** = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021
11. FOR PROPOSED SOIL VAPOR DELINEATION SAMPLES SEE *SOIL VAPOR DELINEATION AND SOIL VAPOR EXTRACTION EXTENDED PILOT TEST WORKPLAN*, ROUX 2023

N

60' 0 60'

Title:

NORTHERN PORTION OF PARCEL 3 PCE AND BENZENE IN SOIL VAPOR

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

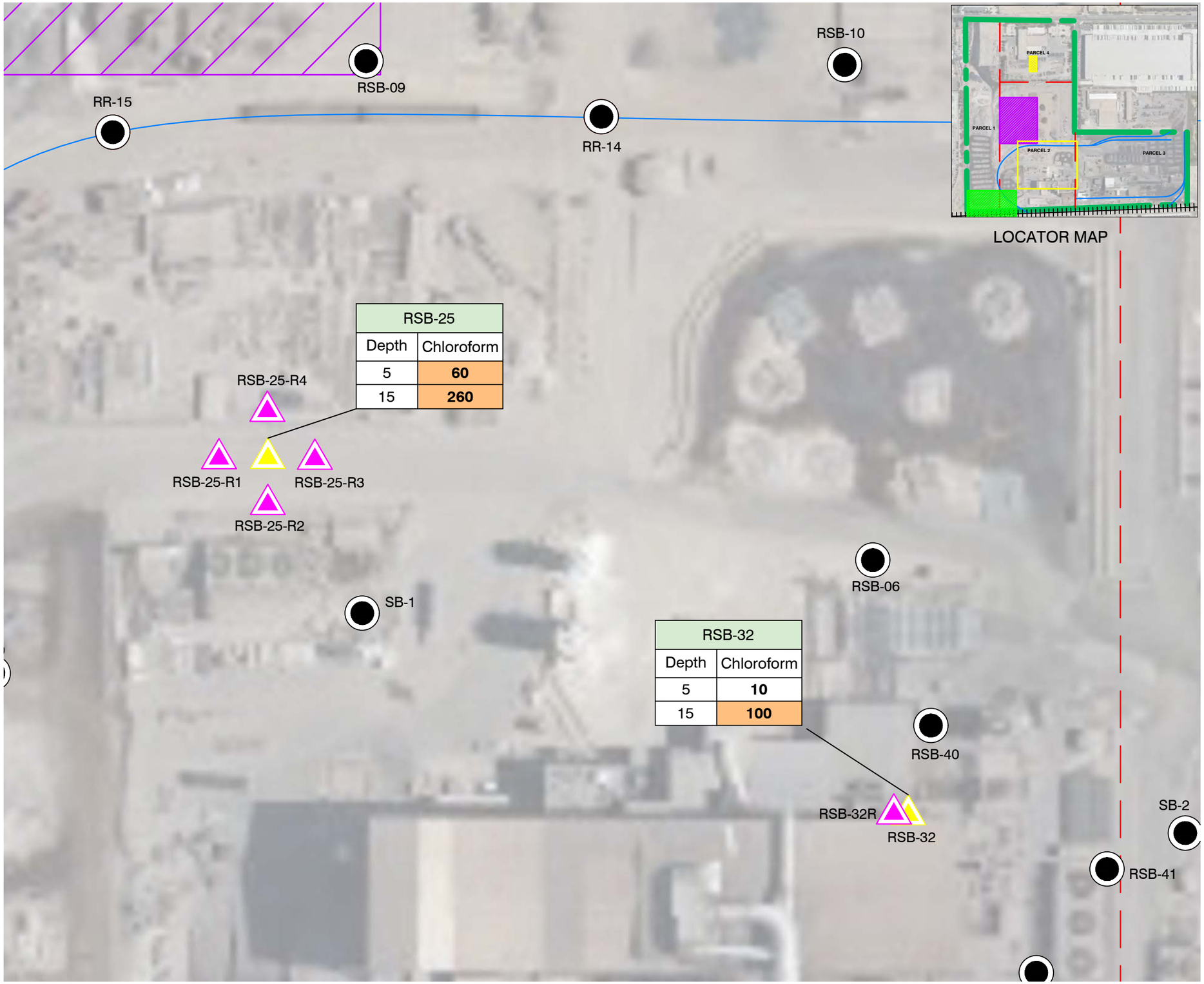
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 20 OCT 2023
Prepared by: M.B.	Scale: 1" = 60'
Project Mgr: M.J.N	Project: 3200.0007L
File: 032_3200.0007L_NORTHERN PORTION OF PARCEL 3 PCE & BENZENE.DWG	

FIGURE 17

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\032_3200.0007L_NORTHERN PORTION OF PARCEL 3 PCE & BENZENE.DWG



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- SOIL BORING LOCATION (RAMBOLL 2020/2021; ROUX 2021)
- CHLOROFORM EXCEEDANCE IN SOIL VAPOR (RAMBOLL 2020/2021)
- PROPOSED SOIL VAPOR BORING LOCATION
- RAIL SPURS

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. CHLOROFORM MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS (SL)
4. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SL WITH AN ATTENUATION FACTOR OF 0.03 FOR CHLOROFORM IS 18 UG/M^3

N

60' 0 60'

Title:

PARCEL 2 - CHLOROFORM IN SOIL VAPOR (RSB-25 AND RSV-32 AREAS)

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

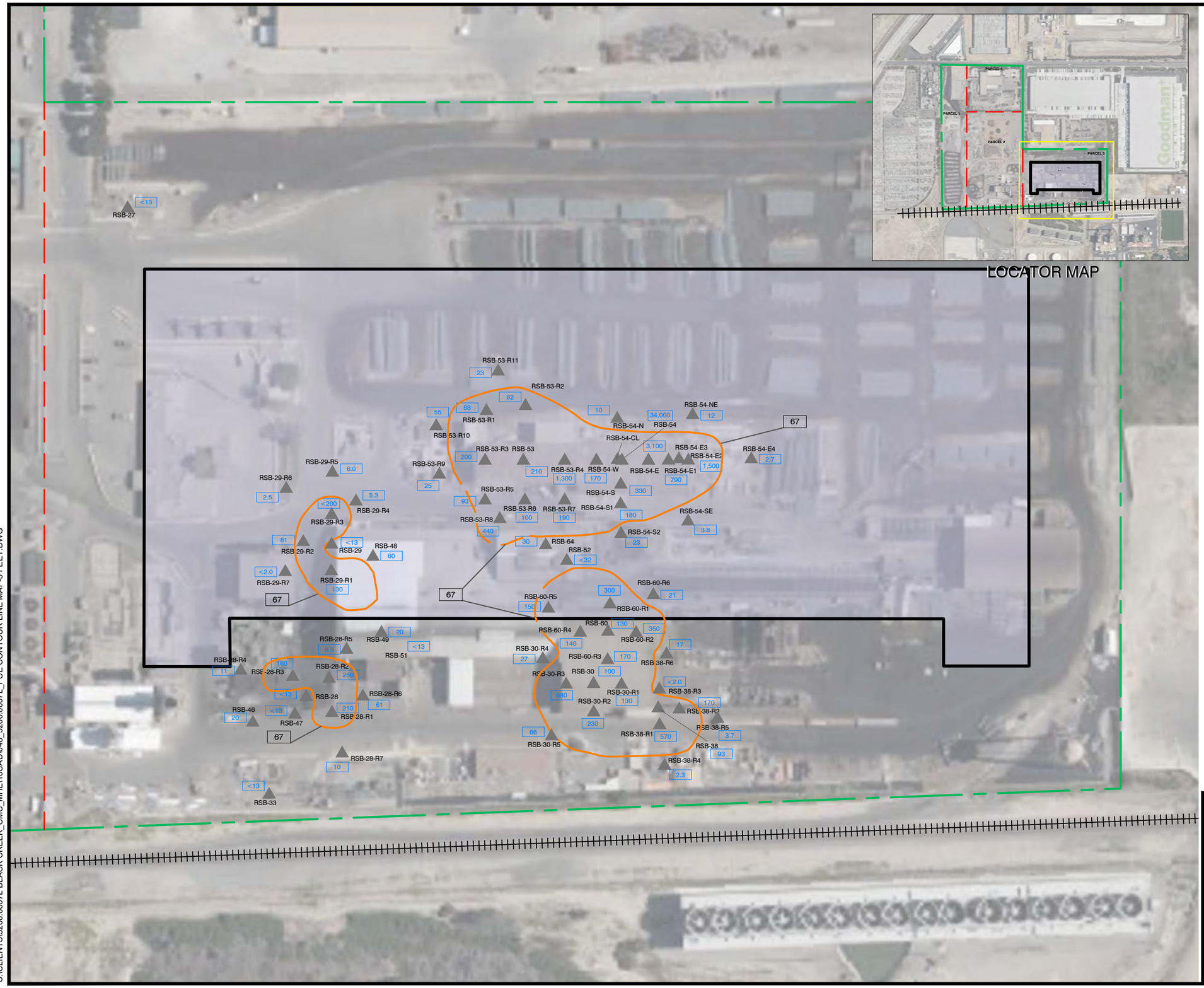
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 20 OCT 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	18
Project Mgr: P.S.	Project: 3200.0007L	
File: 090_3200.0007L_PARCEL 2 CHLOROFORM.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\090_3200.0007L_PARCEL 2 CHLOROFORM.DWG



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 5 FEET BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2020/2021)
- INTERPRETED PCE DTSC SL CONTOUR LINE - 5 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR FOR PCE IS 67 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
PCE ISO-CONTOURS
5 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

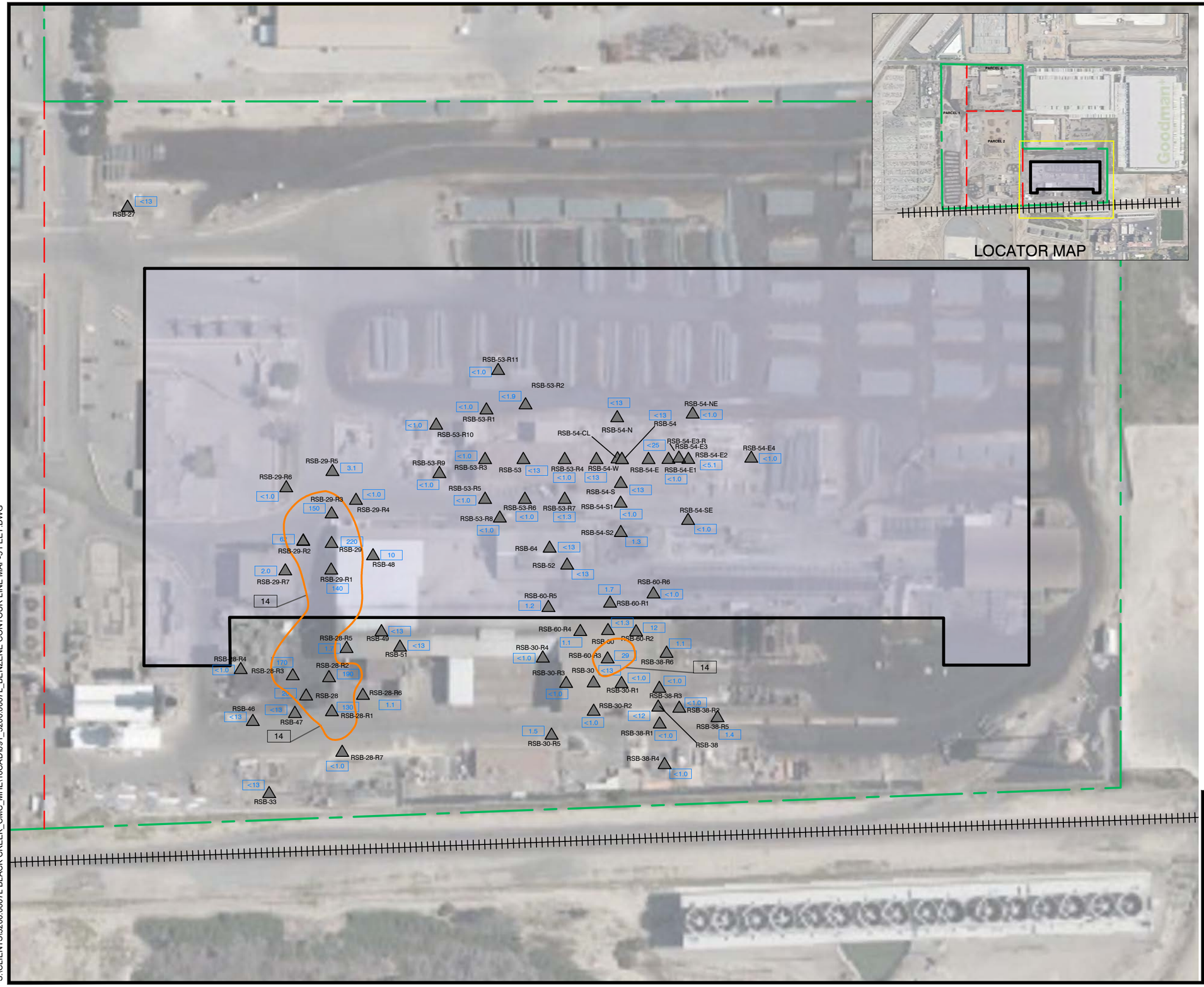
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: 1" = 120'	19
Project Mgr: P.S.	Project: 3200.0007L	
File: 048_3200.0007L_PCE CONTOUR LINE MAP-5 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\048_3200.0007L_PCE CONTOUR LINE MAP-5 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — BENZENE CONCENTRATION AT 5 FEET BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED BENZENE DTSC SL CONTOUR LINE - 5 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. BENZENE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
BENZENE ISO-CONTOURS
5 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

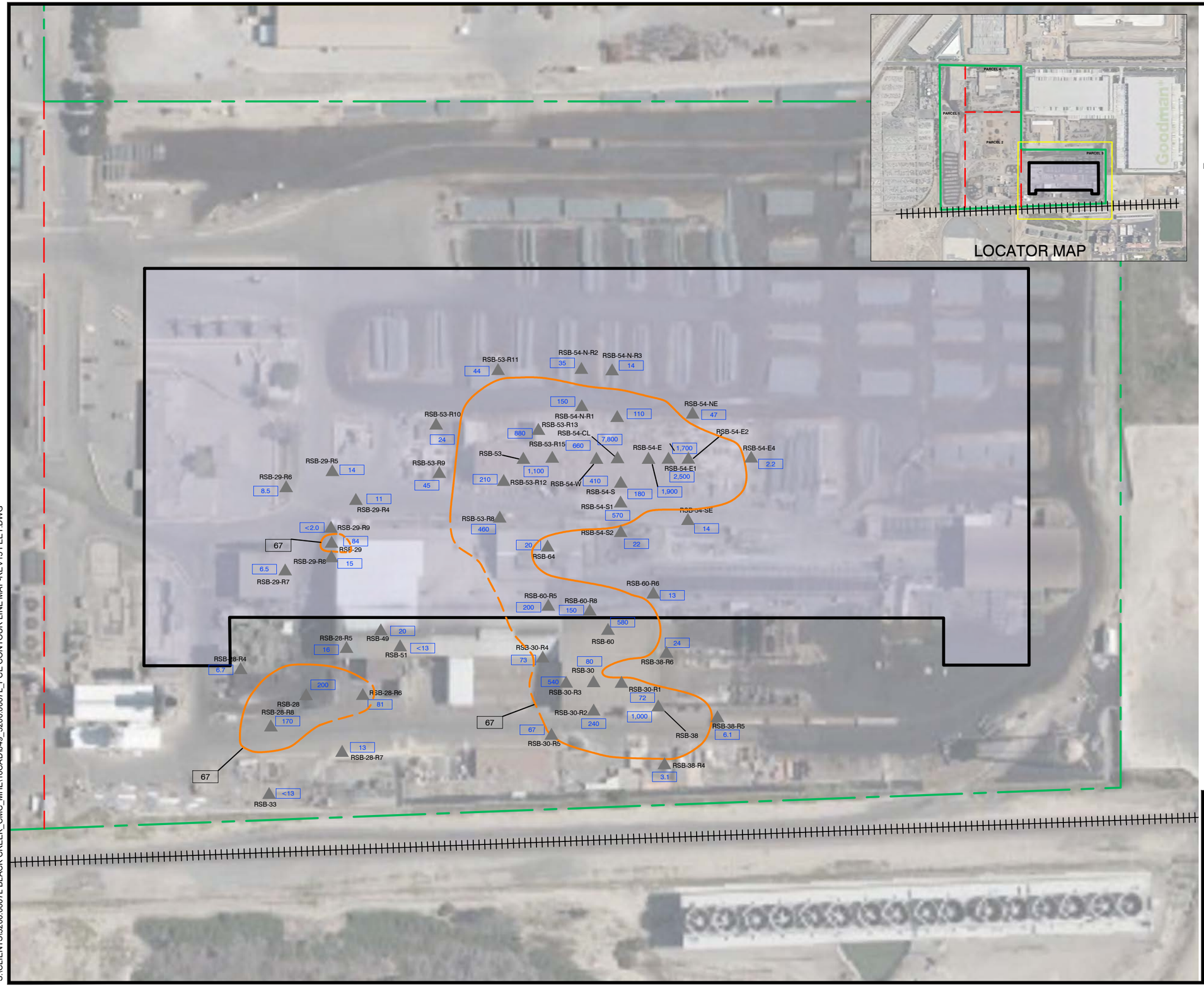
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 SEPT 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	
Project Mgr: P.S.	Project: 3200.0007L	20
File: 091_3200.0007L_BENZENE CONTOUR LINE MAP-5 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\091_3200.0007L_BENZENE CONTOUR LINE MAP-5 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED PCE DTSC SL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOETHENE
3. PCE CONCENTRATION MEASURED IN MICROGRAMS PER CUBIC METER (UG/M3)
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR PCE IS 67 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
PCE ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

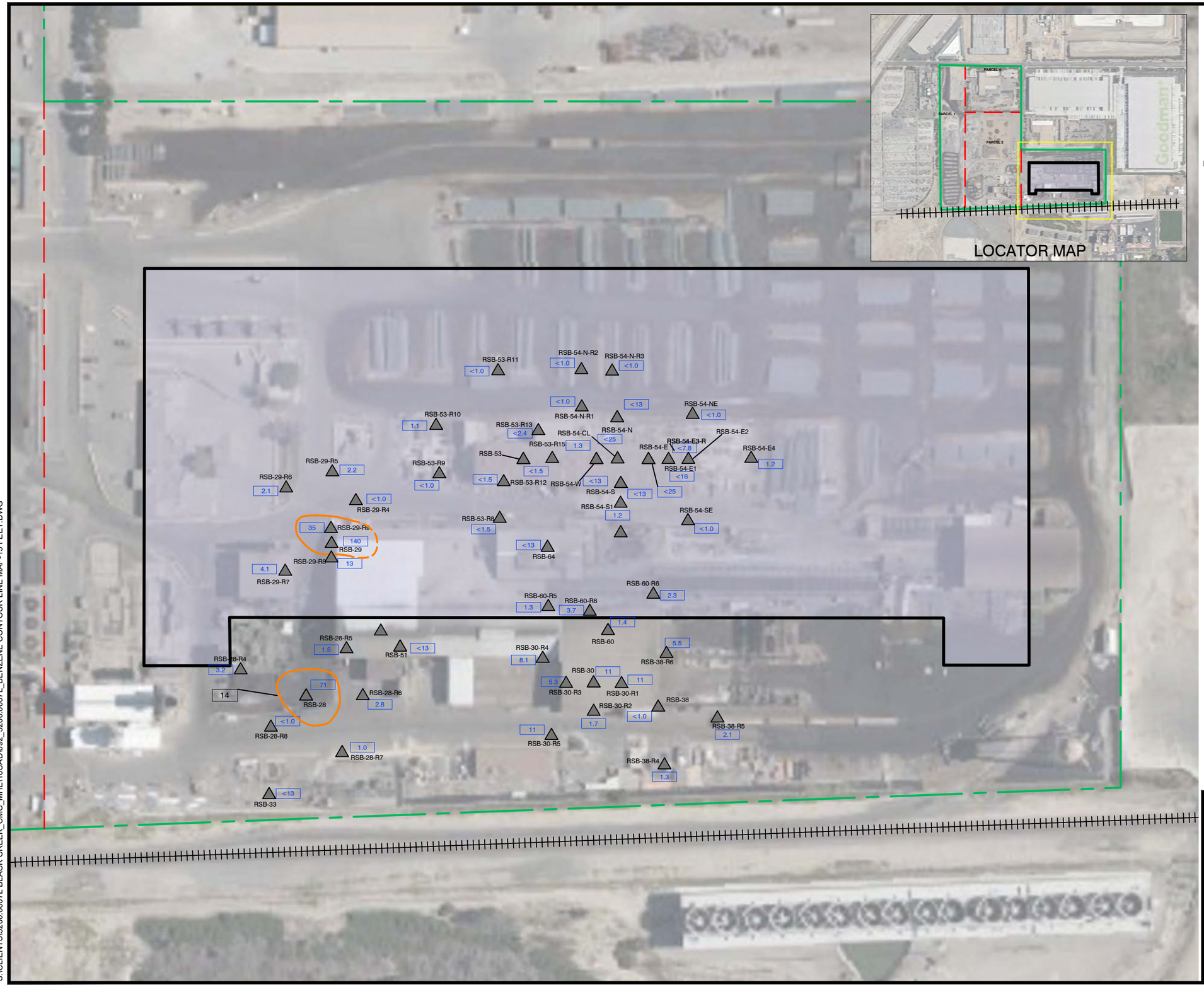
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: 1" = 120'	21
Project Mgr: P.S.	Project: 3200.0007L	
File: 049_3200.0007L_PCE CONTOUR LINE MAP-REV15 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\049_3200.0007L_PCE CONTOUR LINE MAP-REV15 FEET.DWG



S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\092_3200.0007L_BENZENE CONTOUR LINE MAP-15 FEET.DWG

Title:

PARCEL 3
BENZENE ISO-CONTOURS
15 FEET BGS

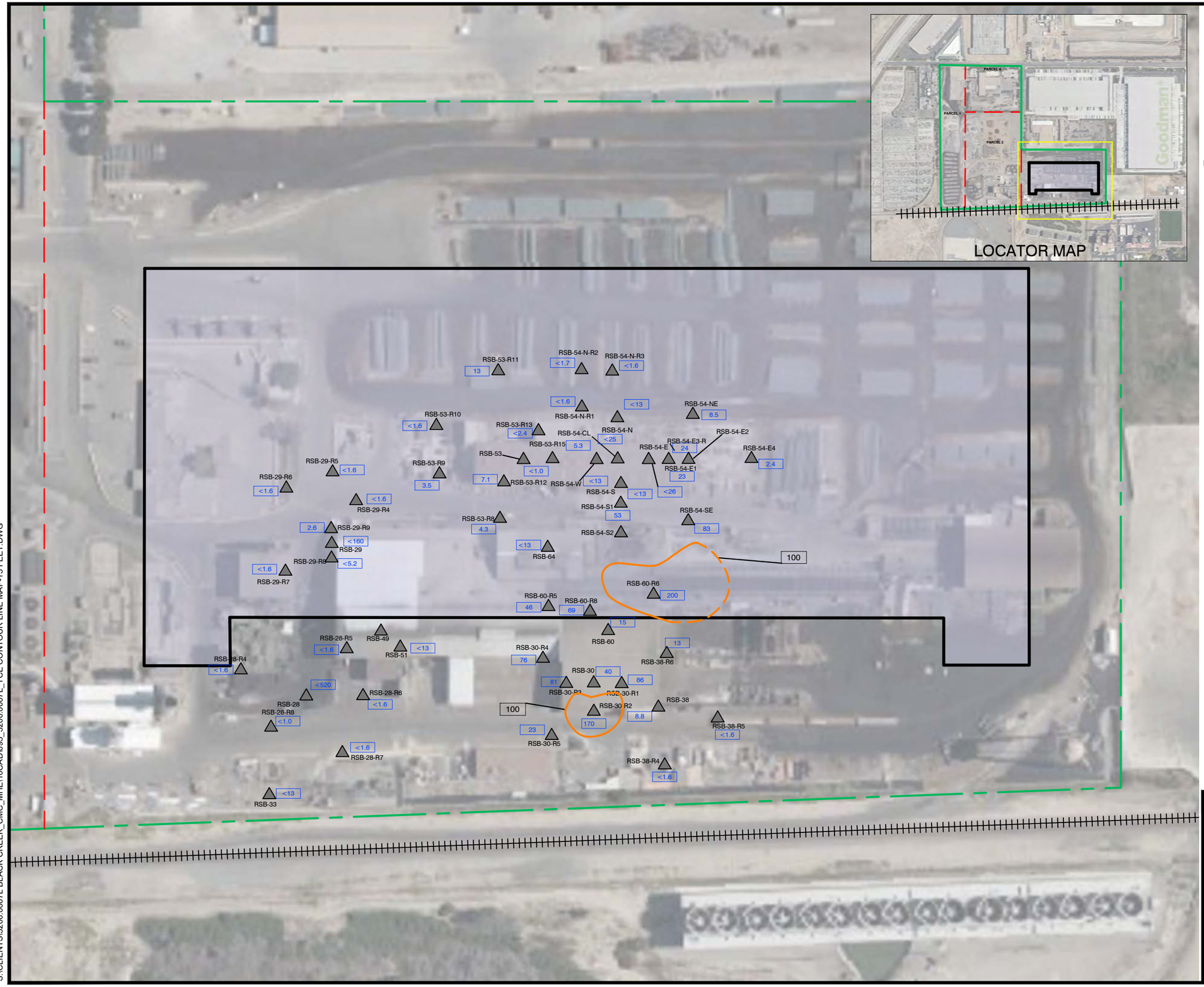
12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	22
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 092_3200.0007L_BENZENE CONTOUR LINE MAP-15 FEET.DWG		



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — TCE CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED TCE USEPA RSL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. TCE = TRICHLOROETHENE
3. TCE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR TCE IS 100 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
TCE ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

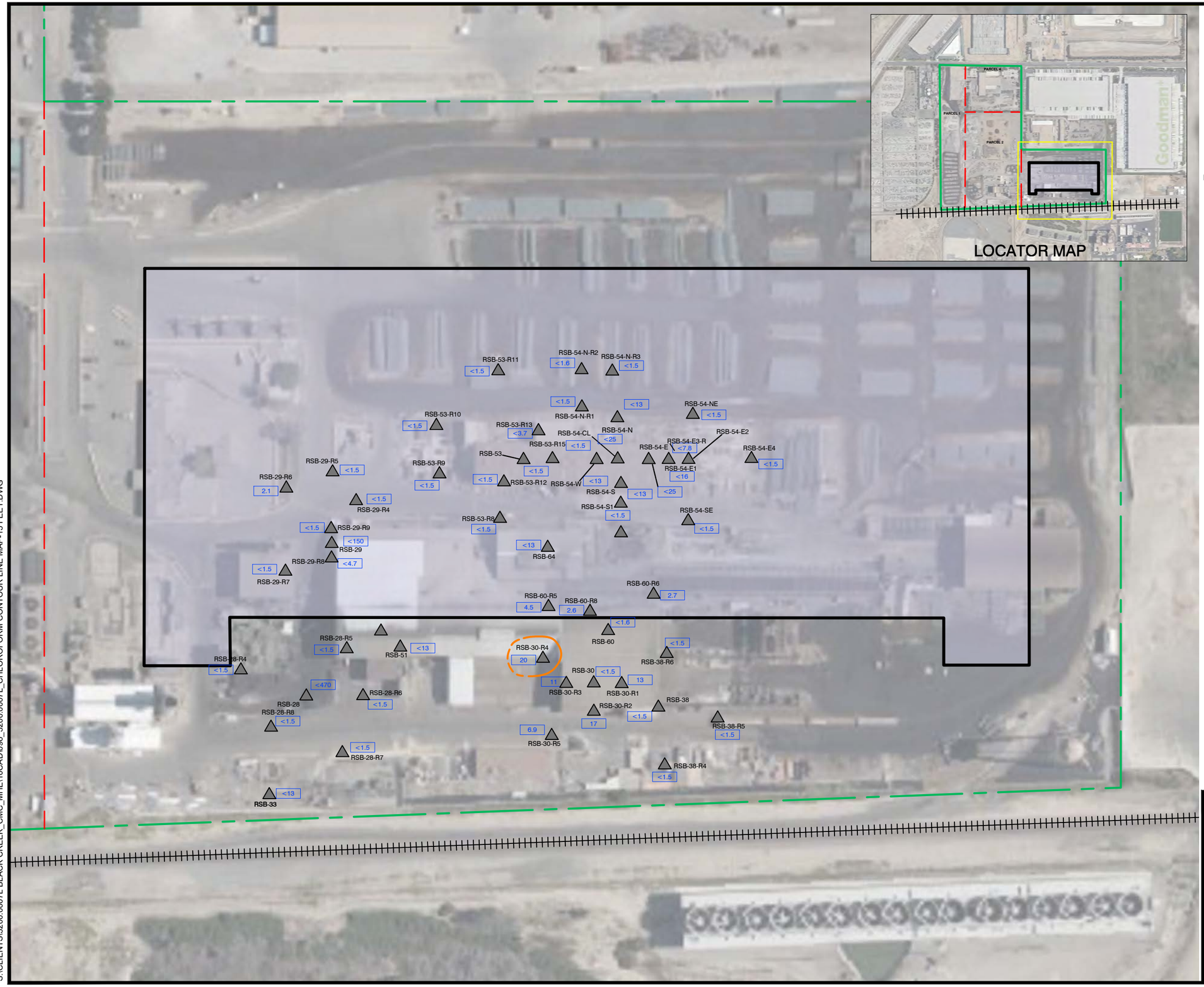
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	23
Project Mgr: P.S.	Project: 3200.0007L	
File: 093_3200.0007L_TCE CONTOUR LINE MAP-15 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\093_3200.0007L_TCE CONTOUR LINE MAP-15 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — CHLOROFORM CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED CHLOROFORM USEPA RSL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. CHLOROFORM CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR CHLOROFORM IS 18 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
CHLOROFORM ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

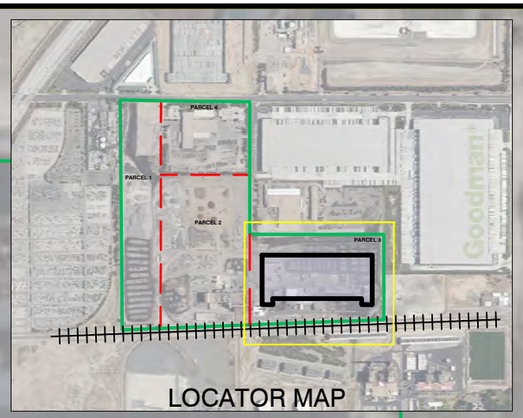
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	24
Project Mgr: P.S.	Project: 3200.0007L	
File: 096_3200.0007L_CHLOROFORM CONTOUR LINE MAP-15 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\096_3200.0007L_CHLOROFORM CONTOUR LINE MAP-15 FEET.DWG



LOCATOR MAP

RSB-29* 10

RSB-28* <13

RSB-53-R14 540

RSB-53 RSB-53-R15 840

RSB-54-CL

RSB-54-N 100

RSB-54-NE 62

RSB-54-E3 860

RSB-54-E4 8.0

67

RSB-54-W 580

RSB-54-E 80

RSB-54-S 50

RSB-54-SE 30

RSB-54-S2 12

RSB-60-R8 190

RSB-60

RSB-30

RSB-30-R6 88

RSB-38

RSB-38-R7 45

67

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 30, 35 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED PCE DTSC SL CONTOUR LINE - 35 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE CONCENTRATION IS IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR FOR PCE IS 67 UG/M^3
5. * = BORING AT 30 FEET BGS

N

120' 0 120'

Title:

PARCEL 3
PCE ISO-CONTOURS
35 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

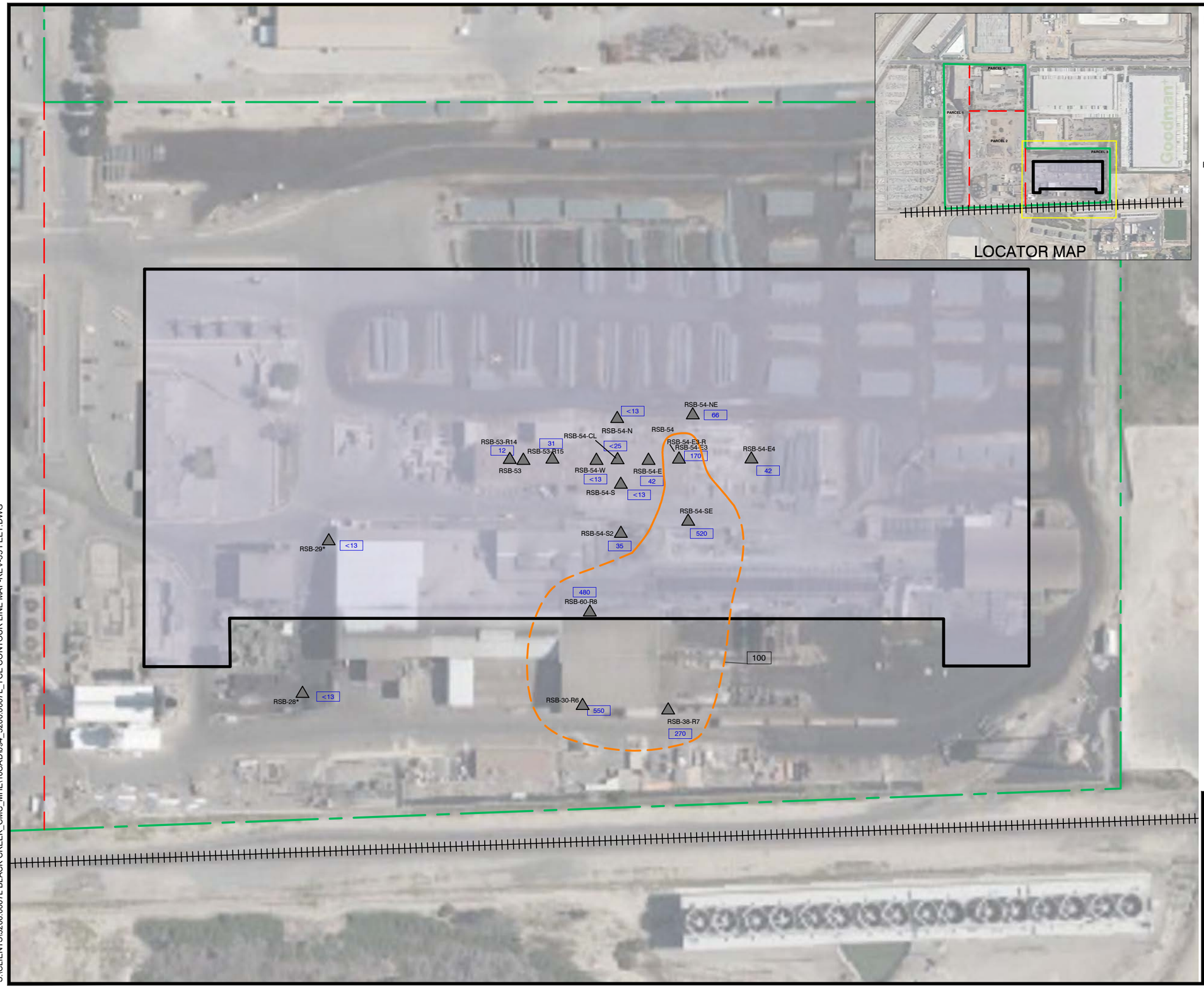
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 8 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: 1" = 120'	25
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 050_3200.0007L_PCE CONTOUR LINE MAP-REV-35 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\050_3200.0007L_PCE CONTOUR LINE MAP-REV-35 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — TCE CONCENTRATION AT 30*, 35 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED TCE USEPA RSL CONTOUR LINE - 35 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. TCE = TRICHLOROETHENE
3. TCE CONCENTRATION IS IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR TCE IS 100 UG/M^3
5. * = BORING AT 30 FEET BGS

N

120' 0 120'

Title:

PARCEL 3
TCE ISO-CONTOURS
35 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

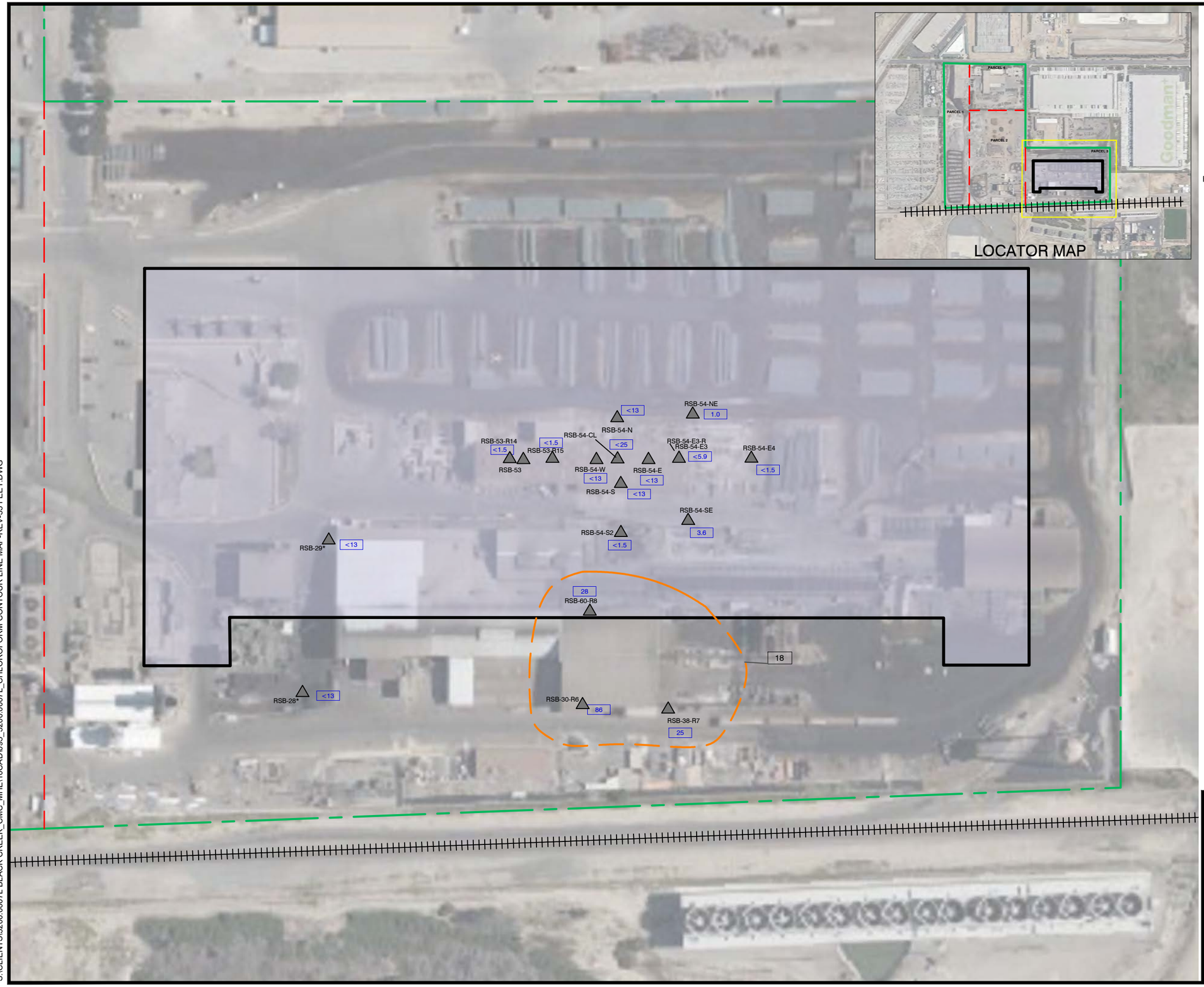
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	26
Project Mgr: P.S.	Project: 3200.0007L	
File: 094_3200.0007L_TCE CONTOUR LINE MAP-REV-35 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\094_3200.0007L_TCE CONTOUR LINE MAP-REV-35 FEET.DWG



LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — CHLOROFORM CONCENTRATION AT 30*, 35 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED CHLOROFORM USEPA RSL CONTOUR LINE - 35 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. CHLOROFORM CONCENTRATION IS IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR CHLOROFORM IS 18 UG/M^3
4. * = BORING AT 30 FEET BGS

N

120' 0 120'

Title:

PARCEL 3
CHLOROFORM ISO-CONTOURS
35 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

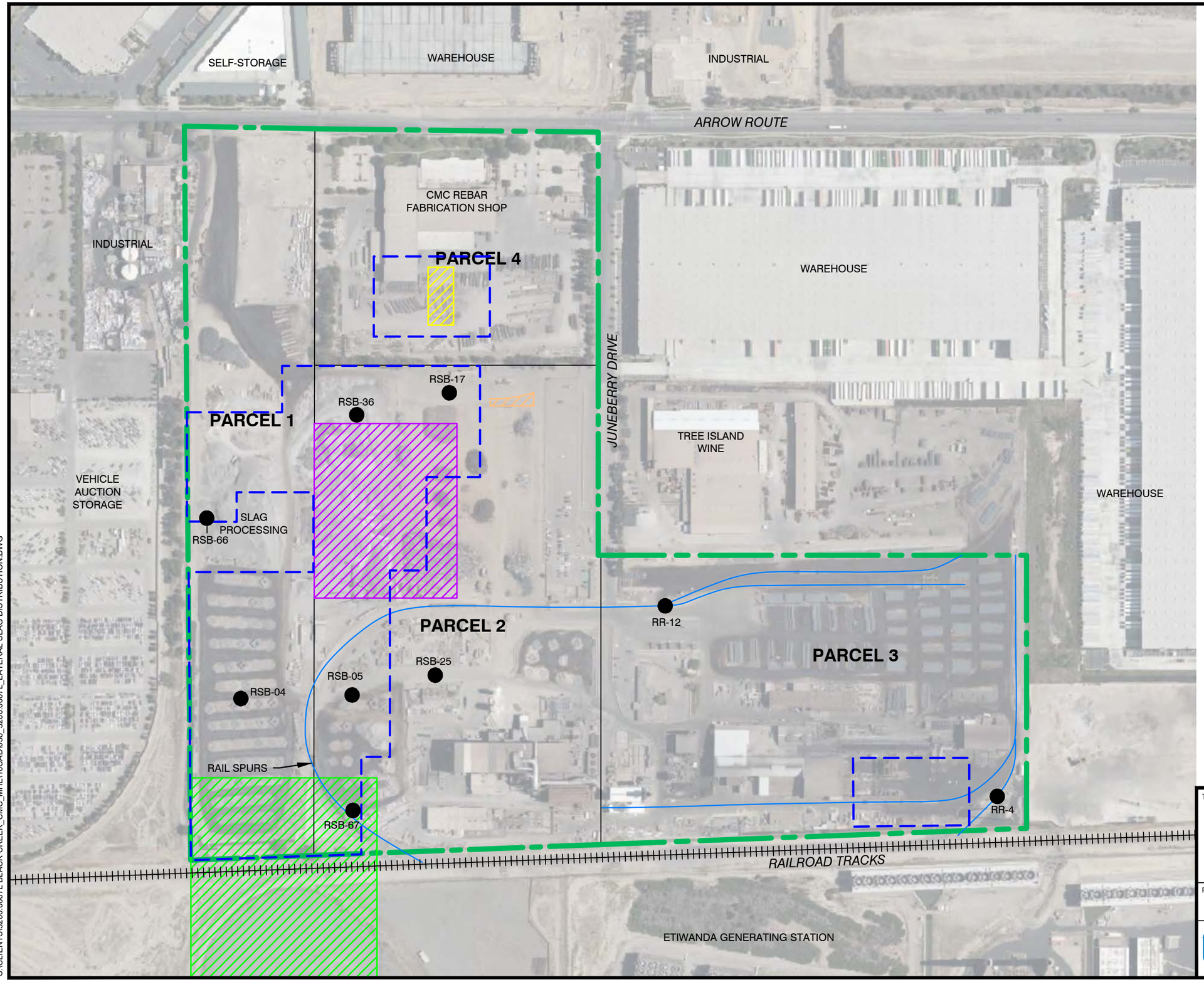
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: 1" = 120'	27
Project Mgr: P.S.	Project: 3200.0007L	
File: 095_3200.0007L_CHLOROFORM CONTOUR LINE MAP-REV-35 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\095_3200.0007L_CHLOROFORM CONTOUR LINE MAP-REV-35 FEET.DWG



LEGEND

- SITE BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- PROPOSED ADDITIONAL SAMPLING LOCATION FOR CHROMIUM SPECIATION

NOTES:

1. SEE FIGURE 2 SITE PLAN FOR MAP OF FORMER INDUSTRIAL AREAS

N

300' 0 300'

Title:

PROPOSED CHROMIUM SPECIATION SAMPLE LOCATIONS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 12 OCT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	28
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 046_3200.007_Roux Pothole Slag and Trench Map.dwg		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\058_3200.0007L_LATERAL SLAG DISTRIBUTION.DWG

APPENDIX D
Historical Research Documentation

DRAFT

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12343, 12353,12451, 12455, and 12459 Arrow Route

12343, 12353,12451, 12455, and 12459 Arrow Route

Rancho Cucamonga, CA 91739

Inquiry Number: 7435473.3

September 05, 2023

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/05/23

Site Name:	Client Name:
12343, 12353,12451, 12455, a	Kleinfelder, Inc.
12343, 12353,12451, 12455, a	24411 Ridge Rte Dr Suite 225
Rancho Cucamonga, CA 9173	Laguna Hills, CA 92653
EDR Inquiry # 7435473.3	Contact: Lindsey Dandridge-Perry

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PO # NA

Project 24001666.001A

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Sanborn® Library search results

Certification #: EC69-4C32-8D8B

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- ☑ Library of Congress
- ☑ University Publications of America
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12343, 12353,12451, 12455, and 12459 Arrow Route

12343, 12353,12451, 12455, and 12459 Arrow Route

Rancho Cucamonga, CA 91739

Inquiry Number: 7435473.11

September 05, 2023

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

09/05/23

Site Name:

12343, 12353,12451, 12455, a
12343, 12353,12451, 12455, a
Rancho Cucamonga, CA 9173
EDR Inquiry # 7435473.11

Client Name:

Kleinfelder, Inc.
24411 Ridge Rte Dr Suite 225
Laguna Hills, CA 92653
Contact: Lindsey Dandridge-Perry

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: August 29, 1990	USDA
1985	1"=500'	Flight Date: July 28, 1985	USDA
1975	1"=500'	Flight Date: August 01, 1975	USGS
1966	1"=500'	Flight Date: April 16, 1966	USGS
1959	1"=500'	Flight Date: October 16, 1959	USDA
1953	1"=500'	Flight Date: February 02, 1953	USDA
1949	1"=500'	Flight Date: May 21, 1949	USDA
1938	1"=500'	Flight Date: May 27, 1938	USDA

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INQUIRY #: 7435473.11
YEAR: 2020
= 500'
N
EDR


INQUIRY #: 7435473.11
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 7435473.11
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7435473.11
YEAR: 2009
= 500'
N
EDR



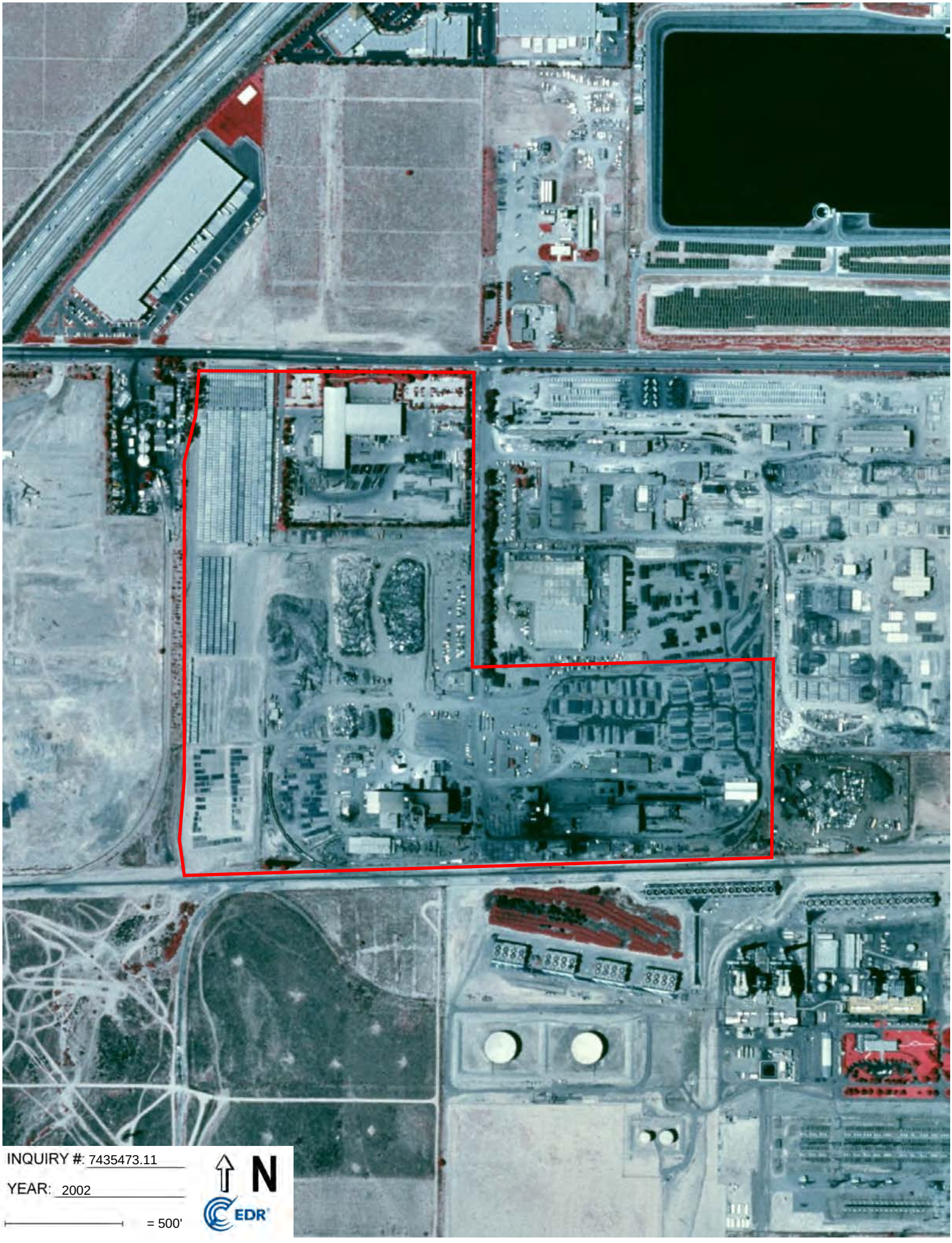
INQUIRY #: 7435473.11

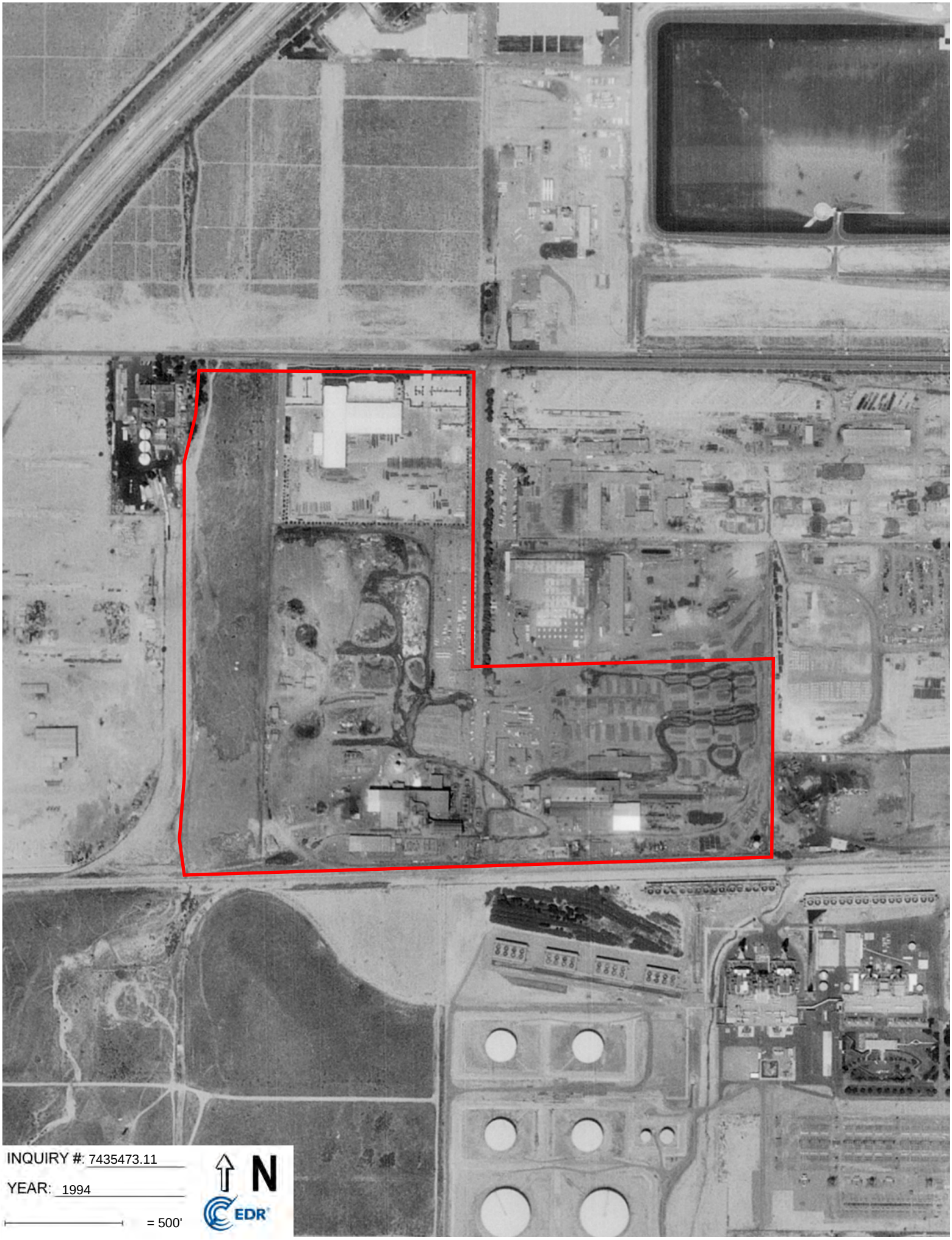
YEAR: 2005

= 500'

N

EDR


INQUIRY #: 7435473.11
YEAR: 2002
= 500'
N
EDR


INQUIRY #: 7435473.11
YEAR: 1994
= 500'
N
EDR



INQUIRY #: 7435473.11

YEAR: 1990

= 500'

N

EDR



INQUIRY #: 7435473.11

YEAR: 1985

= 500'

N

EDR


INQUIRY #: 7435473.11
YEAR: 1975
= 500'
N
EDR



INQUIRY #: 7435473.11

YEAR: 1966

= 500'

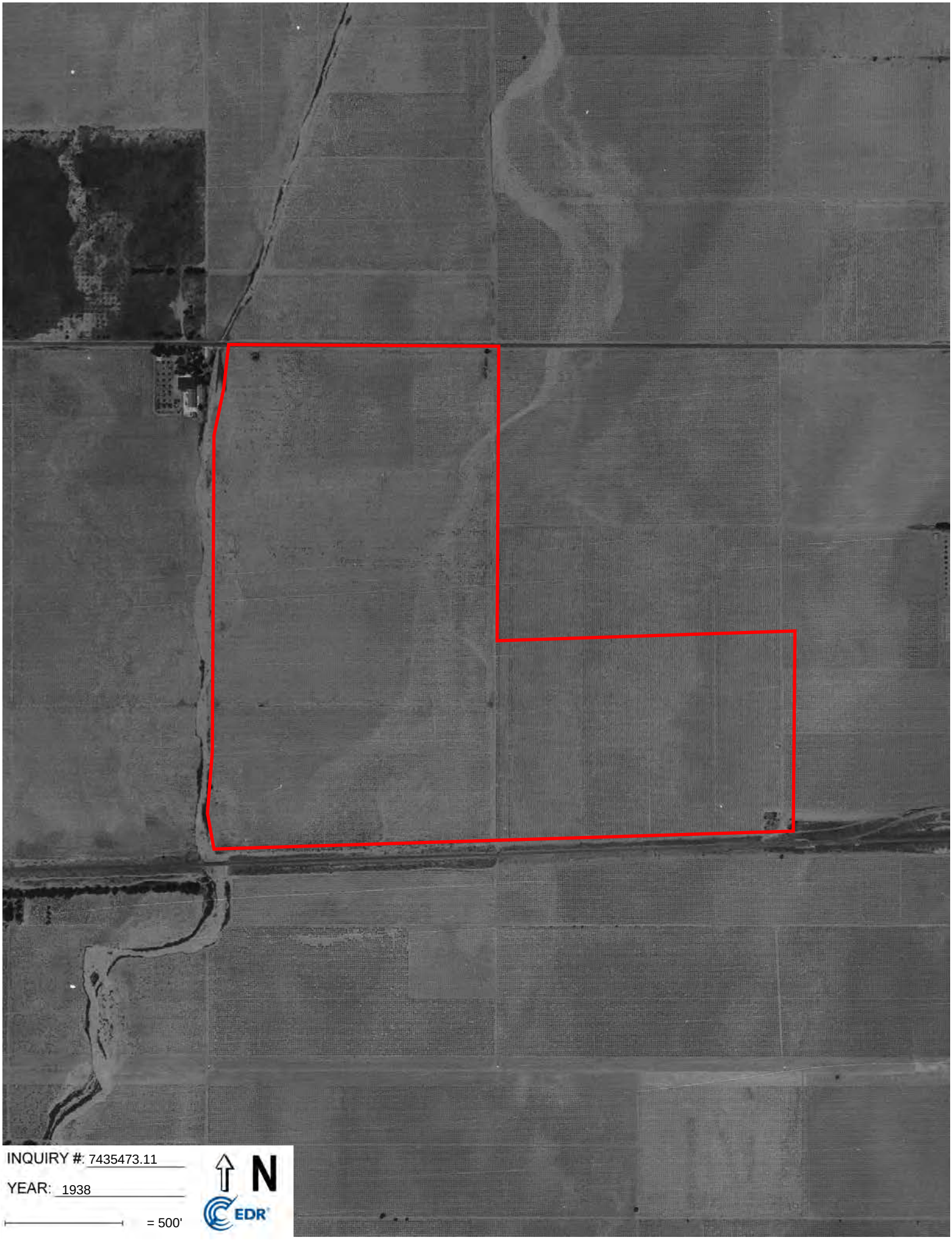
N

EDR


INQUIRY #: 7435473.11
YEAR: 1959
= 500'
N
EDR


INQUIRY #: 7435473.11
YEAR: 1953
= 500'
N
EDR


INQUIRY #: 7435473.11
YEAR: 1949
= 500'
N
EDR


INQUIRY #: 7435473.11
YEAR: 1938
= 500'
N
EDR

12343, 12353,12451, 12455, and 12459 Arrow Route
12343, 12353,12451, 12455, and 12459 Arrow Route
Rancho Cucamonga, CA 91739

Inquiry Number: 7435473.5
September 14, 2023

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at approximately five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through current. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

Summary information obtained is provided in the text of this report.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2020	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2017	Cole Information	-	-	X	-
	Cole Information	X	-	X	-
2014	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
2010	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
2008	Haines Company, Inc.	-	-	X	-
	Haines Company, Inc.	X	-	X	-
2005	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
2003	Haines Co Publishers	-	-	X	-
	Haines & Co Publishers	X	-	X	-
2002	Cole Information Services	-	-	-	-
2000	Cole Information	-	-	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
2000	Cole Information	X	-	X	-
1996	GTE	-	-	-	-
1995	Cole Information	-	-	X	-
	Cole Information	X	-	X	-
	GTE Directories	-	-	X	-
	GTE Directories	X	-	X	-
1992	Cole Information	-	-	X	-
	Cole Information	X	-	X	-
1991	GTE California Incorporated	-	-	-	-
1990	GTE	X	-	X	-
	GTE California Incorporated	-	-	X	-
1985	GTE	-	-	X	-
	GTE	X	-	X	-
1981	General Telephone Company of California	-	-	-	-
1980	GTE	-	-	X	-
	GTE General Telephone Company of California	X	-	X	-
1975	GTE Directories	X	-	X	-
	Pacific Telephone Co	-	-	X	-
	Pacific Telephone Co	X	-	X	-
1970	General Telephone Company of California	-	-	-	-
1965	GTE	-	-	-	-
1964	Luskey Brothers & Co	-	-	-	-
1961	Luskey Brothers& Co Publishers	-	-	-	-
1960	Luskey Brothers & Co Publishers	-	-	-	-
1956	General Telephone Company Publishers	-	-	-	-
1955	Luskey Brothers Co Publishers	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	The Pacific Telephone and Telegraph Co	-	-	-	-
1949	San Bernardino Directory Co. Publishers	-	-	-	-
1946	Los Angeles Directory Company Publishers	-	-	-	-
1945	Southern Califronia Telephone Company	-	-	-	-
1942	San Bernardino Directory Co Publisher	-	-	-	-
1941	Associated Telephone Company Limited	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1940	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Co.	-	-	-	-
1936	San Bernardino Directory Co Publisher	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	-	-	-
1930	San Bernardino Directory Co Publisher	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Company	-	-	-	-
1922	R.L. Polk & Co Publishers	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
12343 Arrow Route	Client Entered	
12353 Arrow Route	Client Entered	
12451 Arrow Route	Client Entered	
12455 Arrow Route	Client Entered	
12459 Arrow Route	Client Entered	
12281 Arrow Route	Client Entered	
8822 Etiwanda Avenue	Client Entered	
12167 Arrow Route	Client Entered	
8600 Etiwanda Avenue	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

12343, 12353,12451, 12455, and 12459 Arrow Route
Rancho Cucamonga, CA 91739

FINDINGS DETAIL

Target Property research detail.

ARROW

12451 ARROW

Year	Uses	Source
1995	FONTANA STEEL	GTE Directories

12455 ARROW

Year	Uses	Source
1995	AMERON PIPE PRODUCTS	GTE Directories
1985	AMERON PIPE PRODUCTS	GTE

12459 ARROW

Year	Uses	Source
1995	IWP AD INC	GTE Directories
	TAMCO	GTE Directories
	UNITED SLAG PROCSSNG	GTE Directories
1990	From Fontana Telephones Call	GTE
	Tamco	GTE
1985	ARROW FOE	GTE
	OAMERON STEEL 8 WIRE	GTE
	UNITED SLAG PROCSSNG	GTE
1980	a AMERON PIPE PRODUCTS	GTE General Telephone Company of California
	AMERON PIPE PRODUCTS	GTE General Telephone Company of California
1975	AMERON Pipe Coating Division	Pacific Telephone Co
	Steel Producing Division	Pacific Telephone Co

FINDINGS

ARROW ETWNDA 8991356 HWY

12459 ARROW ETWNDA 8991356 HWY

Year	Uses	Source
1990	United Slag Processing Co	GTE

ARROW ETWNDA 8991716 HWY

12455 ARROW ETWNDA 8991716 HWY

Year	Uses	Source
1990	Ameron Pipe Products	GTE

ARROW ETWNDA HWY

12459 ARROW ETWNDA HWY

Year	Uses	Source
1990	Ameron Steel & Wire	GTE
	Ameron Steel & Wire Division	GTE
	From Fontana Telephones Call	GTE
	Or Call	GTE

ARROW HWY

12451 ARROW HWY

Year	Uses	Source
2003	FONTANA STEEL	Haines & Co Publishers
1992	FONTANA CRANE SERV	Cole Information

12455 ARROW HWY

Year	Uses	Source
2003	AMERON PIPE PRODUCTS	Haines & Co Publishers
1995	AMERON CONCRETE & STEEL PIPE	Cole Information
1992	AMERON PIPE PRDTS	Cole Information

12459 ARROW HWY

Year	Uses	Source
2003	GOLDEN STATE NAIL	Haines & Co Publishers
	I W P AD INC	Haines & Co Publishers

FINDINGS

Year	Uses	Source
2003	OLYMPIC MILL SERVICES	Haines & Co Publishers
	TAMCO	Haines & Co Publishers
1995	IWP AD INC	Cole Information
	RBC CONTRACTORS	Cole Information
	TAMCO	Cole Information
	UNITED SLAG PROCESSING CO	Cole Information
1992	AMERON STEEL&WIRE	Cole Information
	I W P AD INC	Cole Information
	TAMCO	Cole Information
	UNITD SLAG PROCSNG	Cole Information

Arrow Route

12343 Arrow Route

Year	Uses	Source

12353 Arrow Route

Year	Uses	Source

12451 Arrow Route

Year	Uses	Source

12455 Arrow Route

Year	Uses	Source

12459 Arrow Route

Year	Uses	Source

ARROW RTE

12451 ARROW RTE

Year	Uses	Source
2020	BILL HARRY	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	BOB MCROBERTS	EDR Digital Archive
	CARVAJAL CHRISTOPHER	EDR Digital Archive
	CHRISTIAN MCCAIN	EDR Digital Archive
	CMC STEEL ALABAMA	EDR Digital Archive
	DANIEL SMITH	EDR Digital Archive
	DAVE OTEY	EDR Digital Archive
	DAVID HANSEN	EDR Digital Archive
	GREG ANGSTADT	EDR Digital Archive
	JOHN WARE	EDR Digital Archive
	JOY FONTES	EDR Digital Archive
	KEVIN SOLI	EDR Digital Archive
	LILIAN RODRIGUEZ	EDR Digital Archive
	MALCOLM MCDOWELL	EDR Digital Archive
	MARICEL ORTEGA	EDR Digital Archive
	MIKE MORENO	EDR Digital Archive
	NANCY KOEHLER	EDR Digital Archive
	RYAN HARRIS	EDR Digital Archive
	TRACY PORTER	EDR Digital Archive
	WOOD KEITH	EDR Digital Archive
2017	COMMERCIAL METALS CO	Cole Information
	FONTANA STEEL	Cole Information
2014	FONTANA STEEL	Cole Information
2000	FONTANA STEEL	Cole Information

12455 ARROW RTE

Year	Uses	Source
2020	CHERYL HUMPHREY	EDR Digital Archive
	GENE CUESTA	EDR Digital Archive
	JORGE GUTIERREZ	EDR Digital Archive
	KIM SPENCER	EDR Digital Archive
	MARIA USCIOU	EDR Digital Archive
	NANCY WOODS	EDR Digital Archive
	STEVEN BULL	EDR Digital Archive

Year	Uses	Source
2014	AMERON INTERNATIONAL	Cole Information
	AMERON PIPE PRODUCTS	Cole Information
2010	AMERON PIPE PRODUCTS	Cole Information
	AMERON WATER TRANS GROUP	Cole Information
2005	AMERON CONCRETE & STEEL PIPE INC	Cole Information
	AMERON PIPE PRODUCTS	Cole Information
	TAMCO	Cole Information
2000	AMERON PIPE PRODUCTS	Cole Information

12459 ARROW RTE

Year	Uses	Source
2020	GERDAU AMERISTEEL	EDR Digital Archive
	GERDAU SA	EDR Digital Archive
	PHOENIX SERVICES LLC	EDR Digital Archive
	TI WIRE	EDR Digital Archive
	TREE ISLAND WIRE	EDR Digital Archive
2017	IWPAD INC	Cole Information
	TAMCO	Cole Information
	TERVITA	Cole Information
2014	IWPAD INC	Cole Information
	TAMCO	Cole Information
	TERVITA CORP	Cole Information
	TREE ISLAND WIRE	Cole Information
2010	IWPAD INC	Cole Information
2005	GSN	Cole Information
	INDUSTRIAL WIRE PRODUCTS CORP	Cole Information
	OLYMPIC MILL SERVICES	Cole Information
2000	GOLDEN STATE NAIL	Cole Information
	IWP AD INCORPORATED	Cole Information
	TAMCO	Cole Information
	UNITED SLAG PROCESSING COMPANY	Cole Information

FINDINGS

ARROW ST

12451 ARROW ST

Year	*Uses*	*Source*
2008	FONTANA STEEL	Haines Company, Inc.

12455 ARROW ST

Year	*Uses*	*Source*
2008	AMERON PIPE PRODUCTS	Haines Company, Inc.

12459 ARROW ST

Year	*Uses*	*Source*
2008	IWP AD INC	Haines Company, Inc.
	OLYMPIC MILL SERVICES	Haines Company, Inc.
	TAMCO	Haines Company, Inc.
	TAMCO STEEL	Haines Company, Inc.

ARROW Y HWY

12459 ARROW Y HWY

Year	*Uses*	*Source*
1975	Ameron	GTE Directories
	Pipe Products	GTE Directories
	Steel Producing Division	GTE Directories

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

ARROW RTE

12330 ARROW RTE

Year	Uses	Source
2020	AMERICAN COATINGS INC	EDR Digital Archive
	ALON PLANET STORAGE LP	EDR Digital Archive
	U-HAUL NEIGHBORHOOD DEALER	EDR Digital Archive

12429 ARROW RTE

Year	Uses	Source
2014	JOSEPH DEAHL	Cole Information
2010	JOSEPH DEAHL	Cole Information

12500 ARROW RTE

Year	Uses	Source
2005	SANDRA CABRAL	Cole Information

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
12167 Arrow Route	2020, 2017, 2014, 2010, 2008, 2005, 2003, 2002, 2000, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
12281 Arrow Route	2020, 2017, 2014, 2010, 2008, 2005, 2003, 2002, 2000, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
12330 ARROW RTE	2017, 2014, 2010, 2008, 2005, 2003, 2002, 2000, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
12429 ARROW RTE	2020, 2017, 2010, 2008, 2005, 2003, 2002, 2000, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
12429 ARROW RTE	2020, 2017, 2014, 2008, 2005, 2003, 2002, 2000, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
12500 ARROW RTE	2020, 2017, 2014, 2010, 2008, 2003, 2002, 2000, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
8600 Etiwanda Avenue	2020, 2017, 2014, 2010, 2008, 2005, 2003, 2002, 2000, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922
8822 Etiwanda Avenue	2020, 2017, 2014, 2010, 2008, 2005, 2003, 2002, 2000, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
12343, 12353,12451, 12455, and 12459 Arrow Route	2002, 1996, 1991, 1981, 1970, 1965, 1964, 1961, 1960, 1956, 1955, 1951, 1950, 1949, 1946, 1945, 1942, 1941, 1940, 1938, 1936, 1934, 1931, 1930, 1926, 1923, 1922

12343, 12353,12451, 12455, and 12459 Arrow Route

12343, 12353,12451, 12455, and 12459 Arrow Route

Rancho Cucamonga, CA 91739

Inquiry Number: 7435473.4

September 05, 2023

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

09/05/23

Site Name:

12343, 12353,12451, 12455, a
12343, 12353,12451, 12455, a
Rancho Cucamonga, CA 9173
EDR Inquiry # 7435473.4

Client Name:

Kleinfelder, Inc.
24411 Ridge Rte Dr Suite 225
Laguna Hills, CA 92653
Contact: Lindsey Dandridge-Perry

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Kleinfelder, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA
Project: 24001666.001A

Coordinates:

Latitude:	34.094869 34° 5' 42" North
Longitude:	-117.534394 -117° 32' 4" West
UTM Zone:	Zone 11 North
UTM X Meters:	450704.53
UTM Y Meters:	3772803.81
Elevation:	1140.00' above sea level

Maps Provided:

2018	1953
2015	1944
2012	1941
1981	1903
1976	1900
1973	1897
1966	
1954	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Guasti
2018
7.5-minute, 24000

2015 Source Sheets



Guasti
2015
7.5-minute, 24000

2012 Source Sheets



Guasti
2012
7.5-minute, 24000

1981 Source Sheets



Guasti
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1976 Source Sheets



ONTARIO
1976
15-minute, 50000

1973 Source Sheets



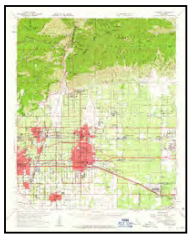
Guasti
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1966 Source Sheets



Guasti
1966
7.5-minute, 24000
Aerial Photo Revised 1966

1954 Source Sheets



Ontario
1954
15-minute, 62500
Aerial Photo Revised 1952

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1953 Source Sheets



Guasti
1953
7.5-minute, 24000
Aerial Photo Revised 1952

1944 Source Sheets



CUCAMONGA
1944
15-minute, 50000

1941 Source Sheets



GUASTI VICINITY
1941
7.5-minute, 31680

1903 Source Sheets



Cucamonga
1903
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1900 Source Sheets



Cucamonga
1900
15-minute, 62500

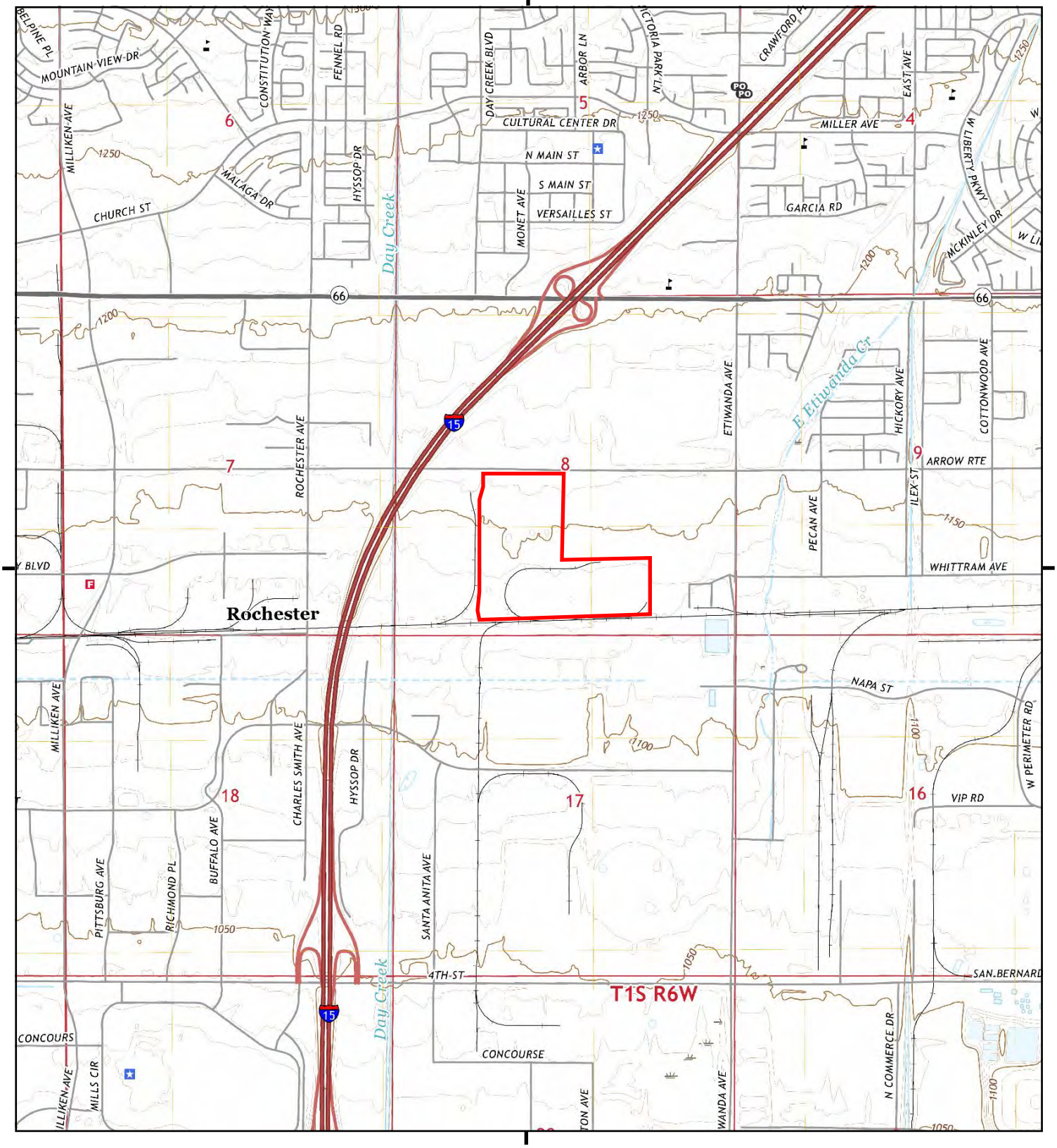
1897 Source Sheets



Cucamonga
1897
15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

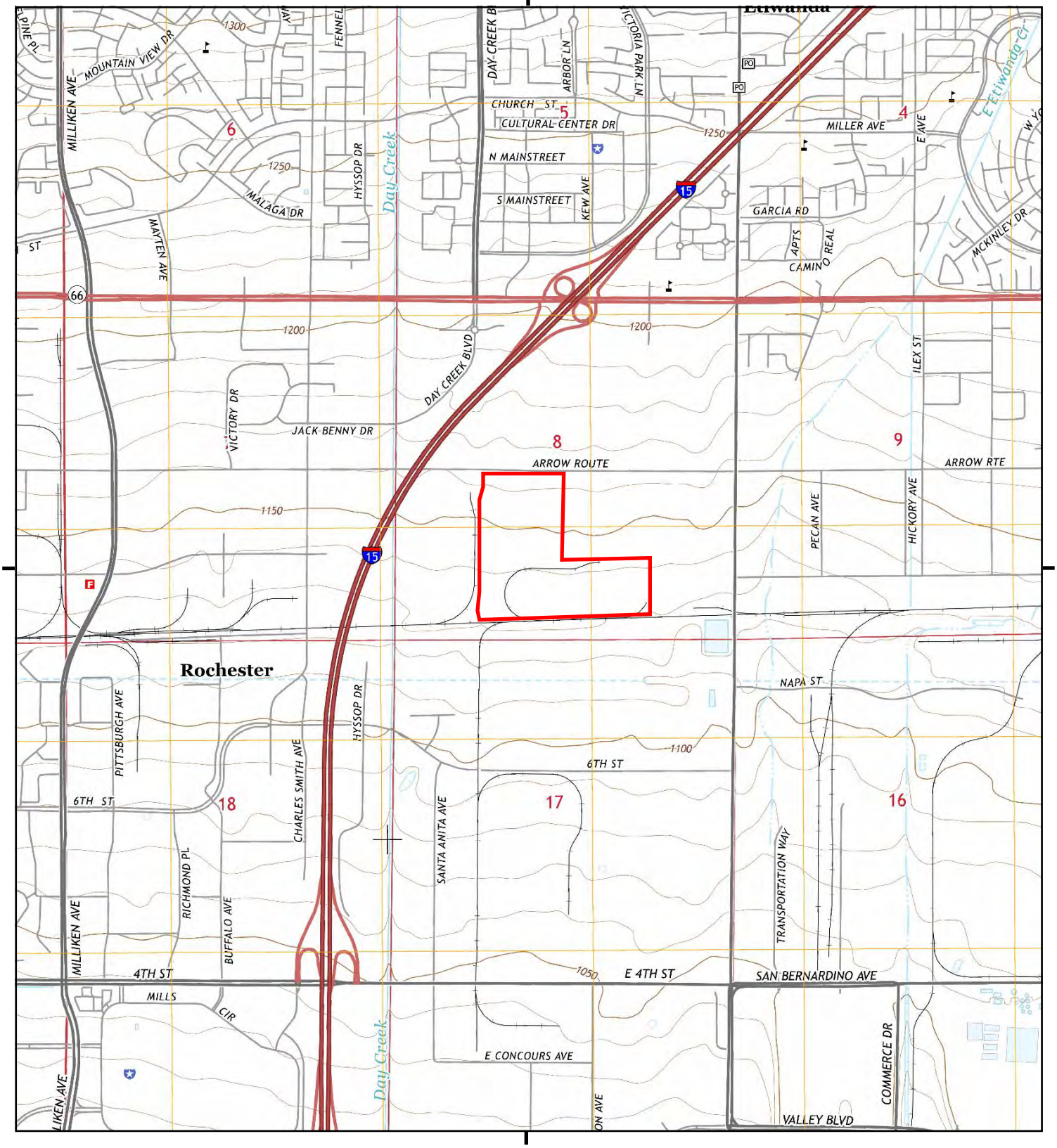
TP, Guasti, 2018, 7.5-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

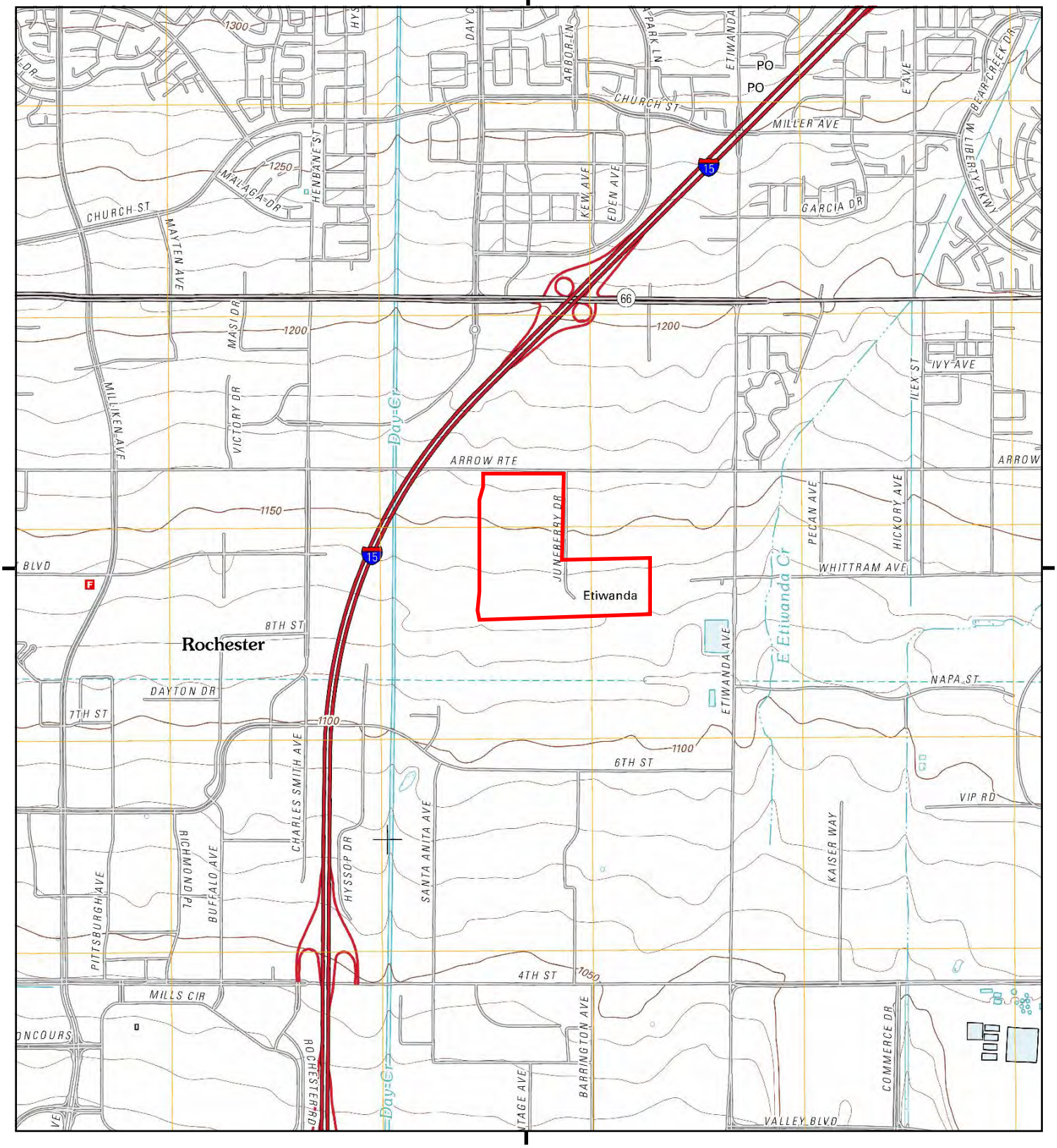
TP, Guasti, 2015, 7.5-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

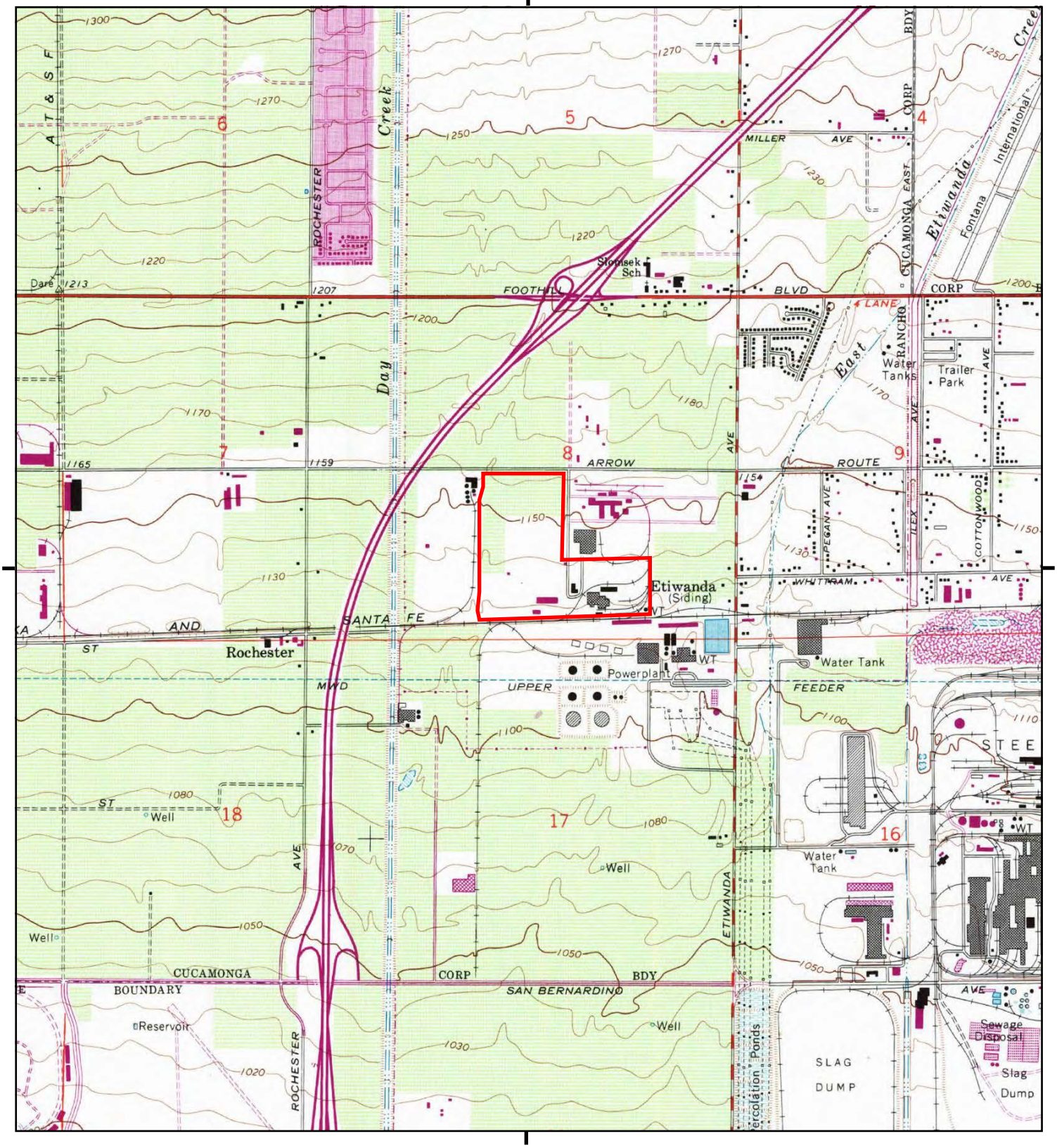
TP, Guasti, 2012, 7.5-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

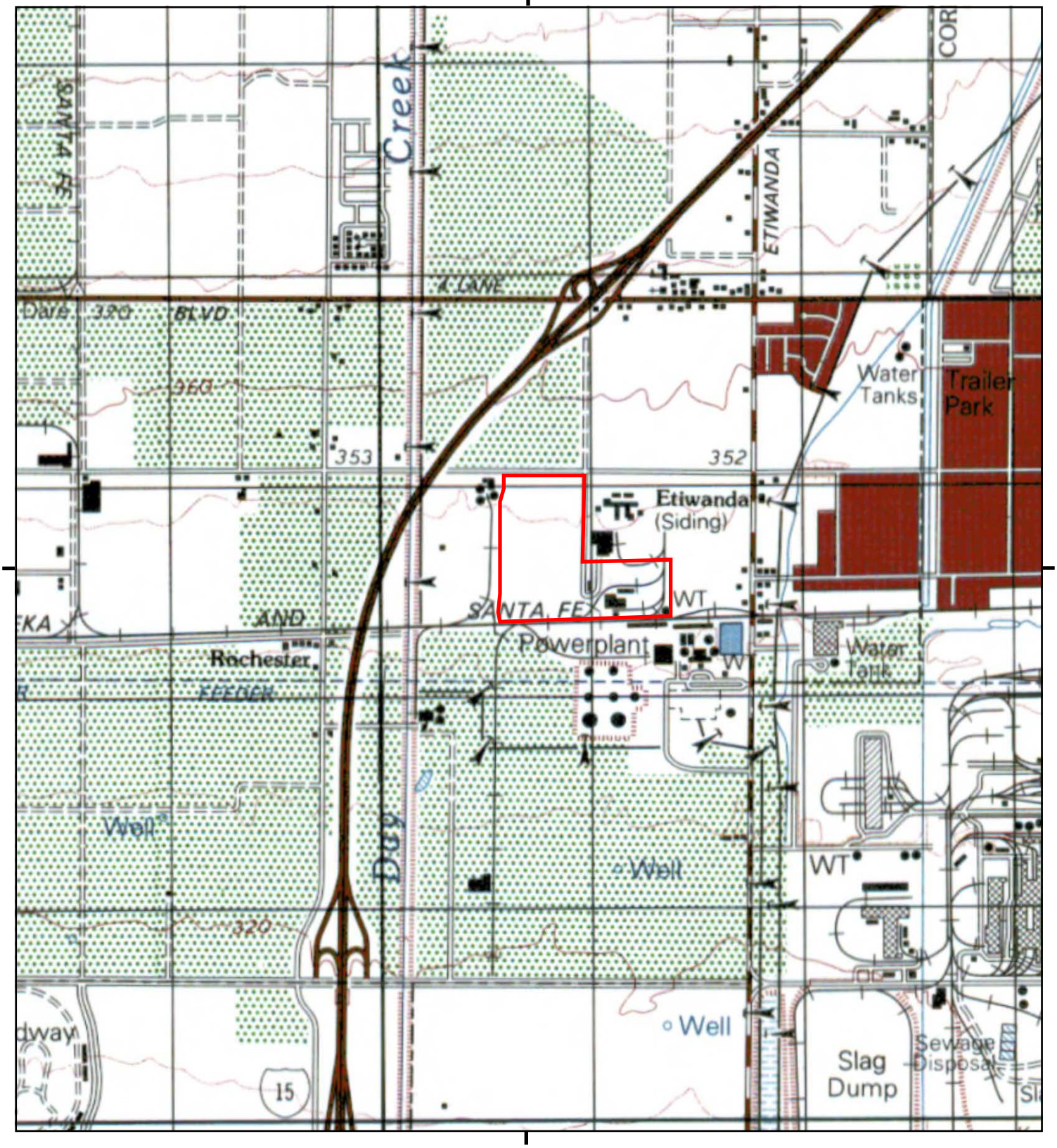
TP, Guasti, 1981, 7.5-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1976



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

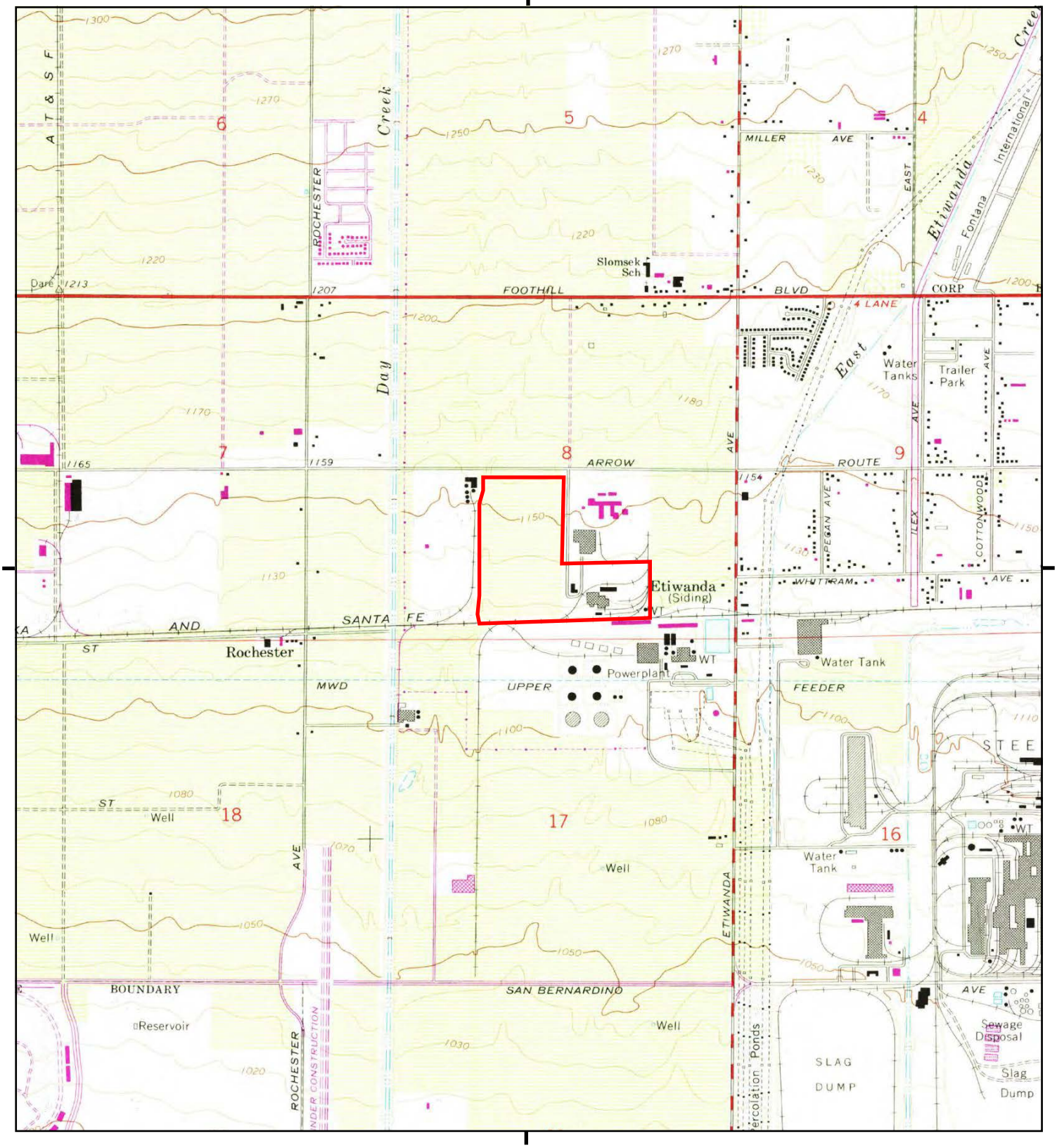
TP, ONTARIO, 1976, 15-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

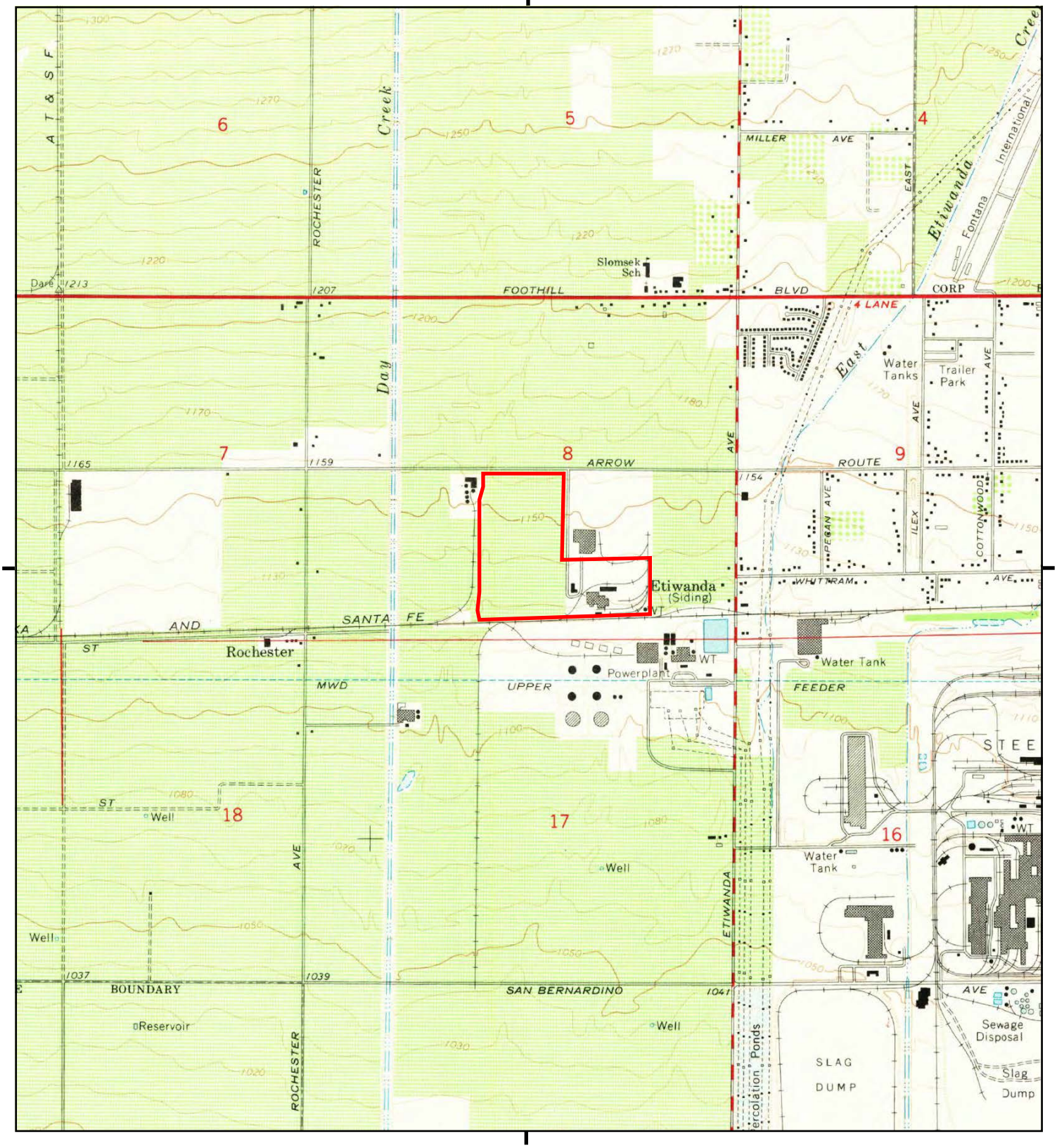
TP, Guasti, 1973, 7.5-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1966



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

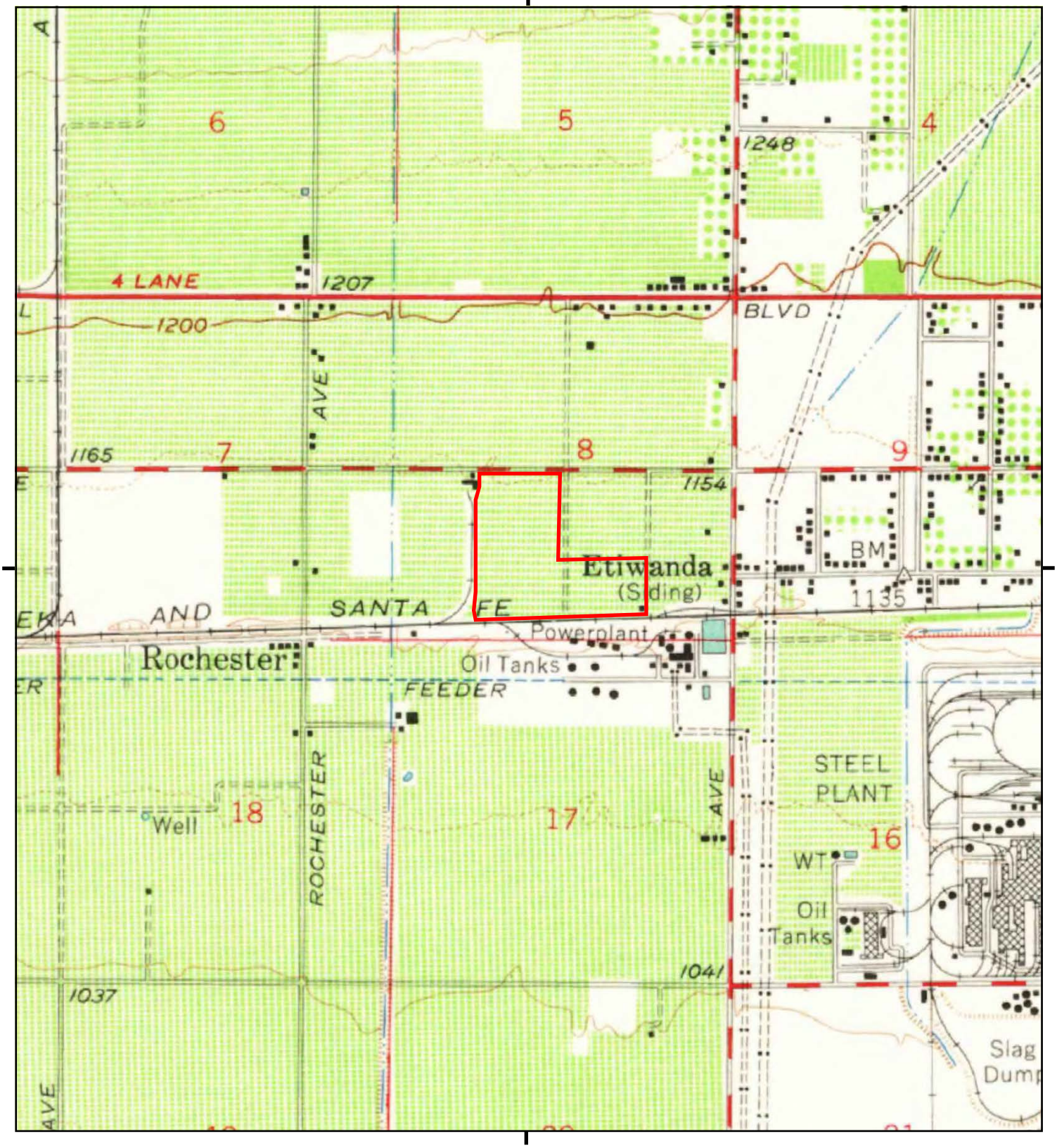
TP, Guasti, 1966, 7.5-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1954



This report includes information from the following map sheet(s).

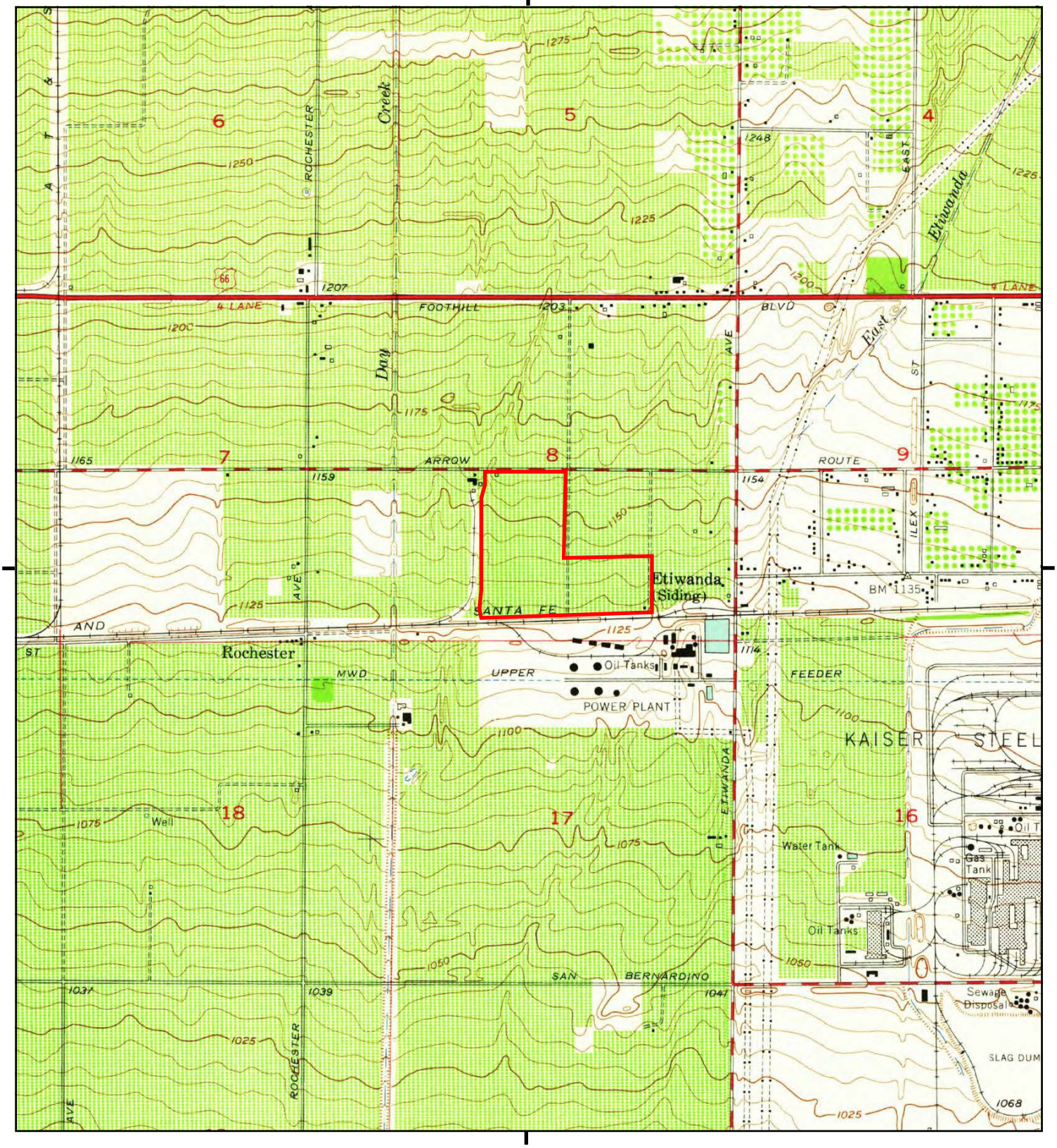
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Ontario, 1954, 15-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N



This report includes information from the following map sheet(s).

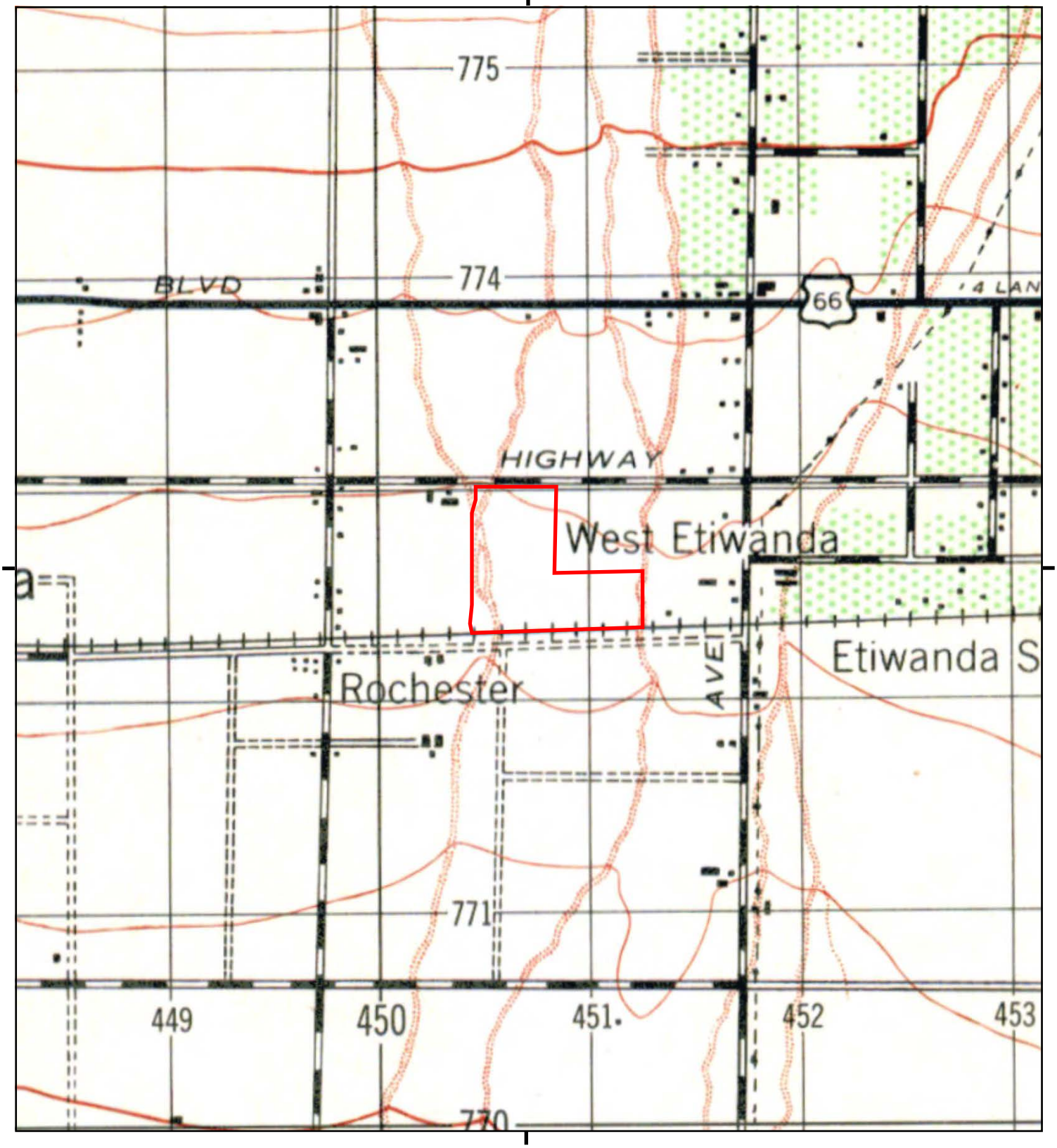
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Guasti, 1953, 7.5-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N



This report includes information from the following map sheet(s).

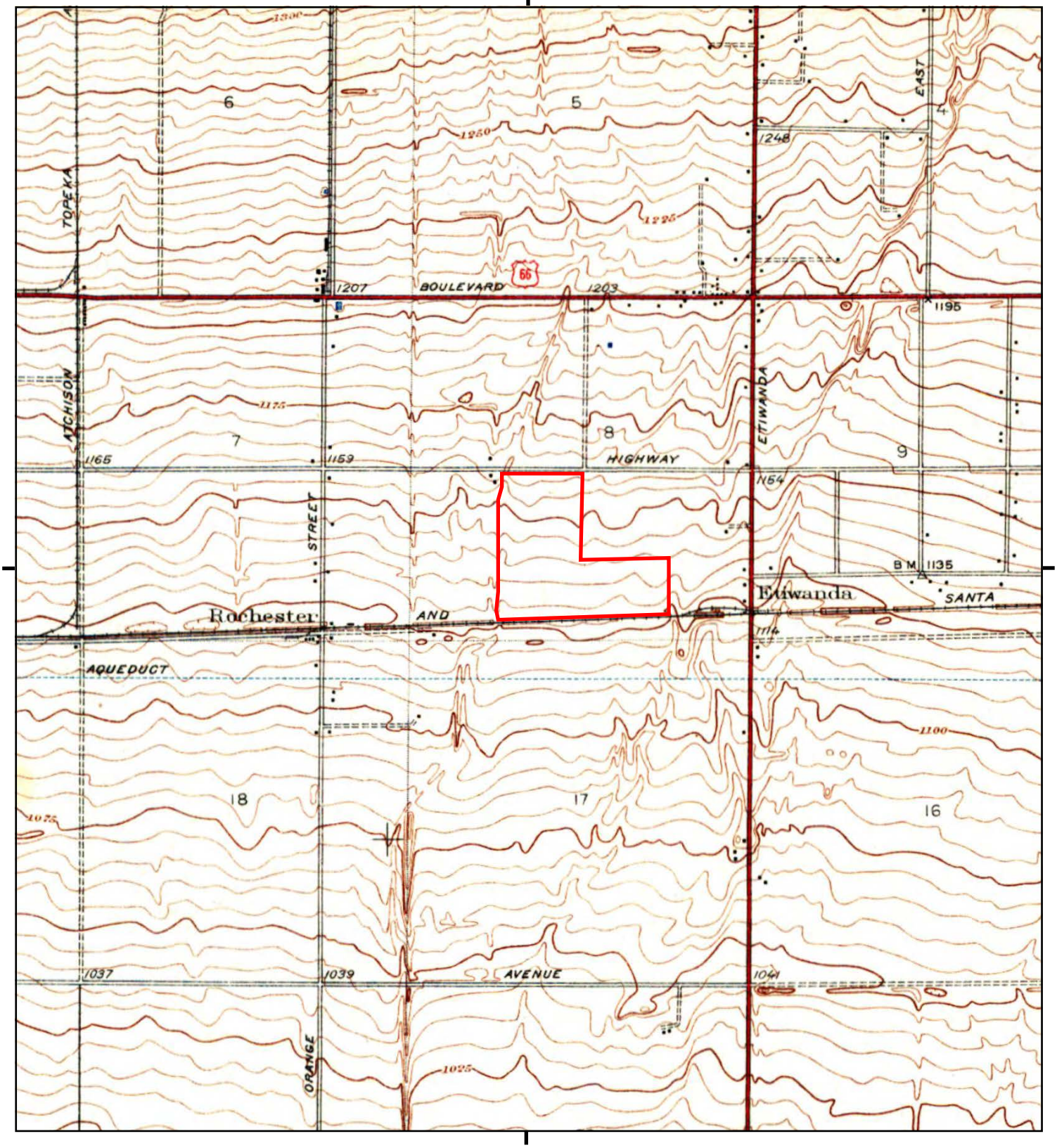
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, CUCAMONGA, 1944, 15-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N



This report includes information from the following map sheet(s).

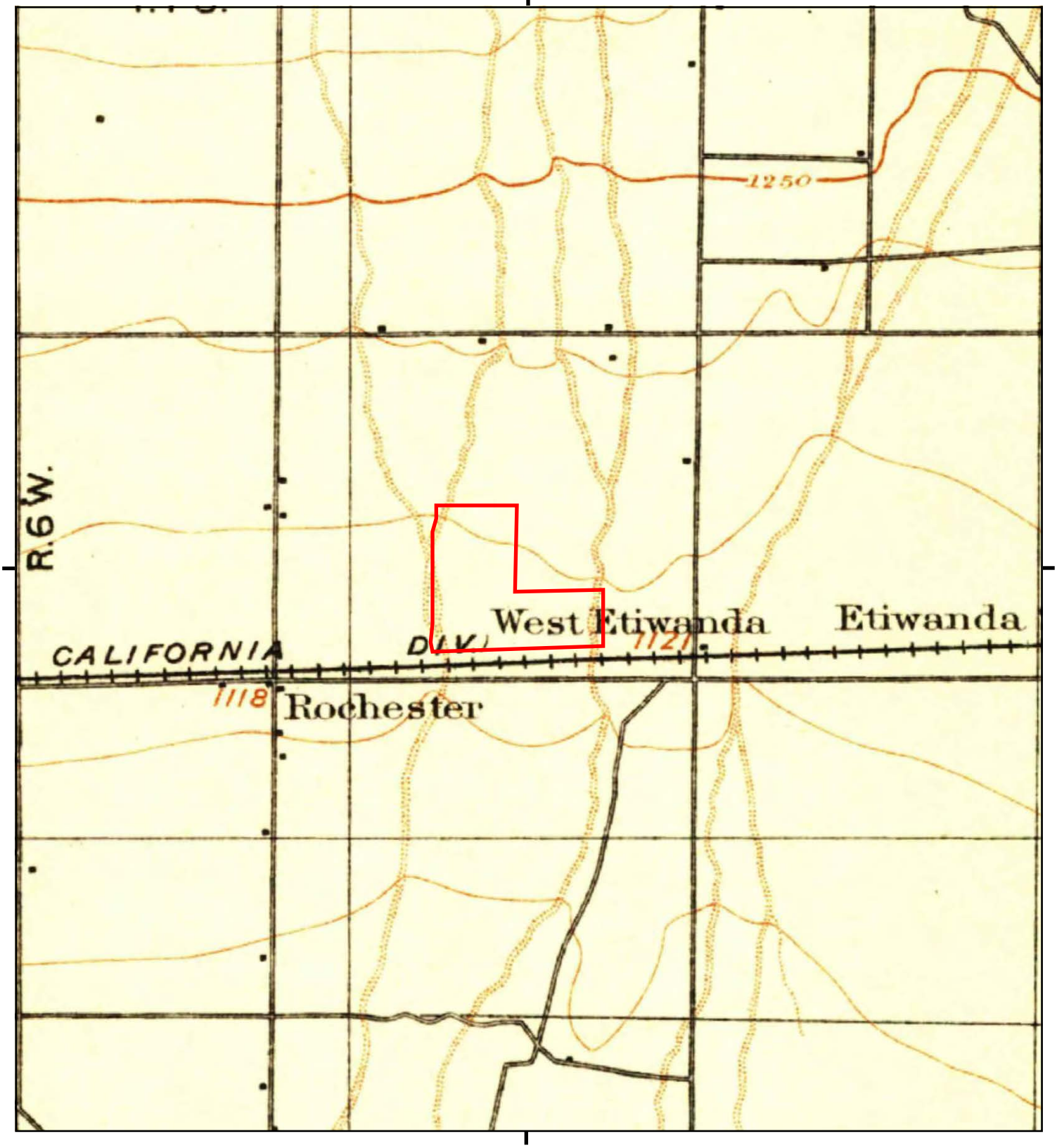
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, GUASTI VICINITY, 1941, 7.5-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N



This report includes information from the following map sheet(s).

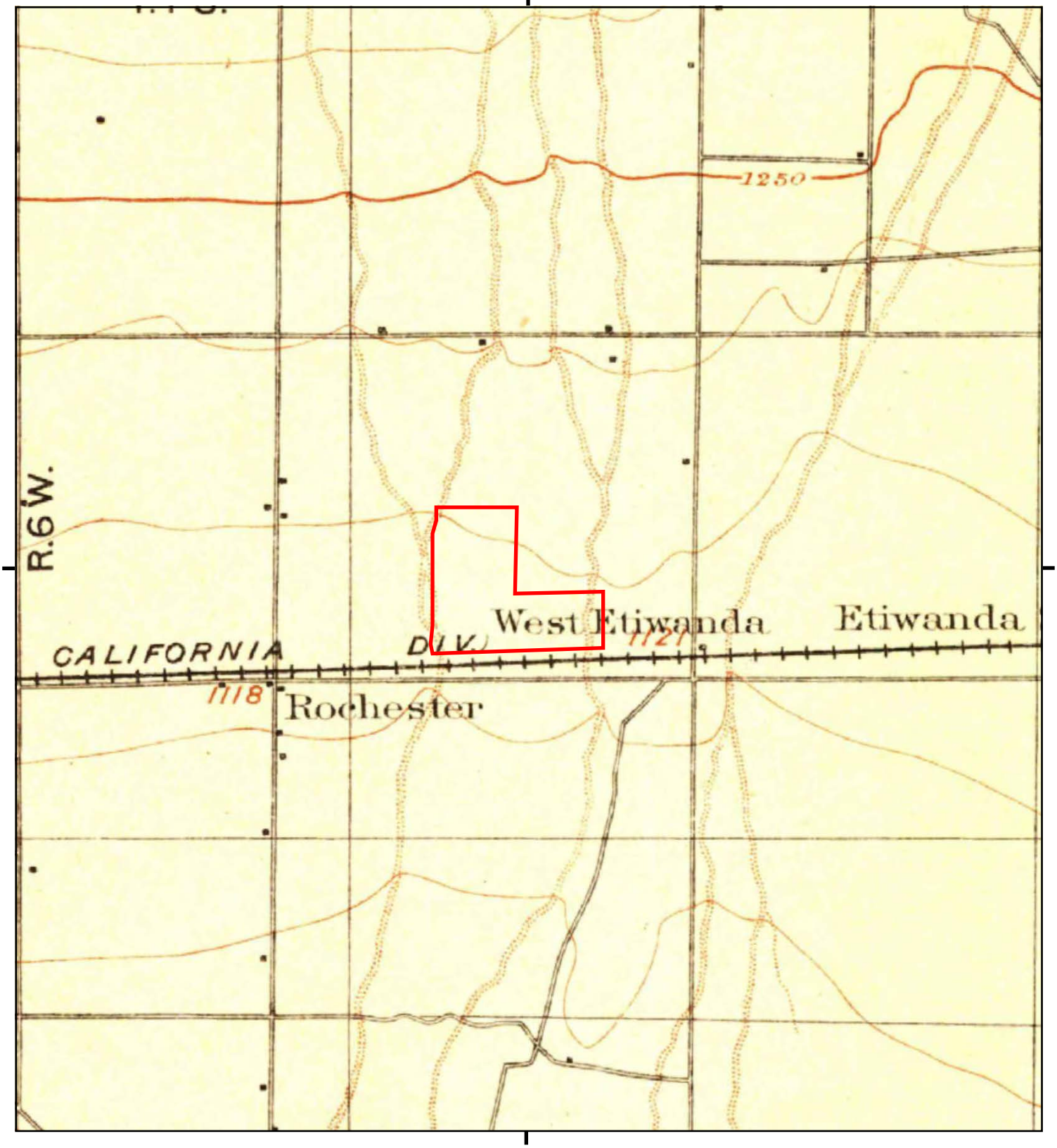
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cucamonga, 1903, 15-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N



This report includes information from the following map sheet(s).

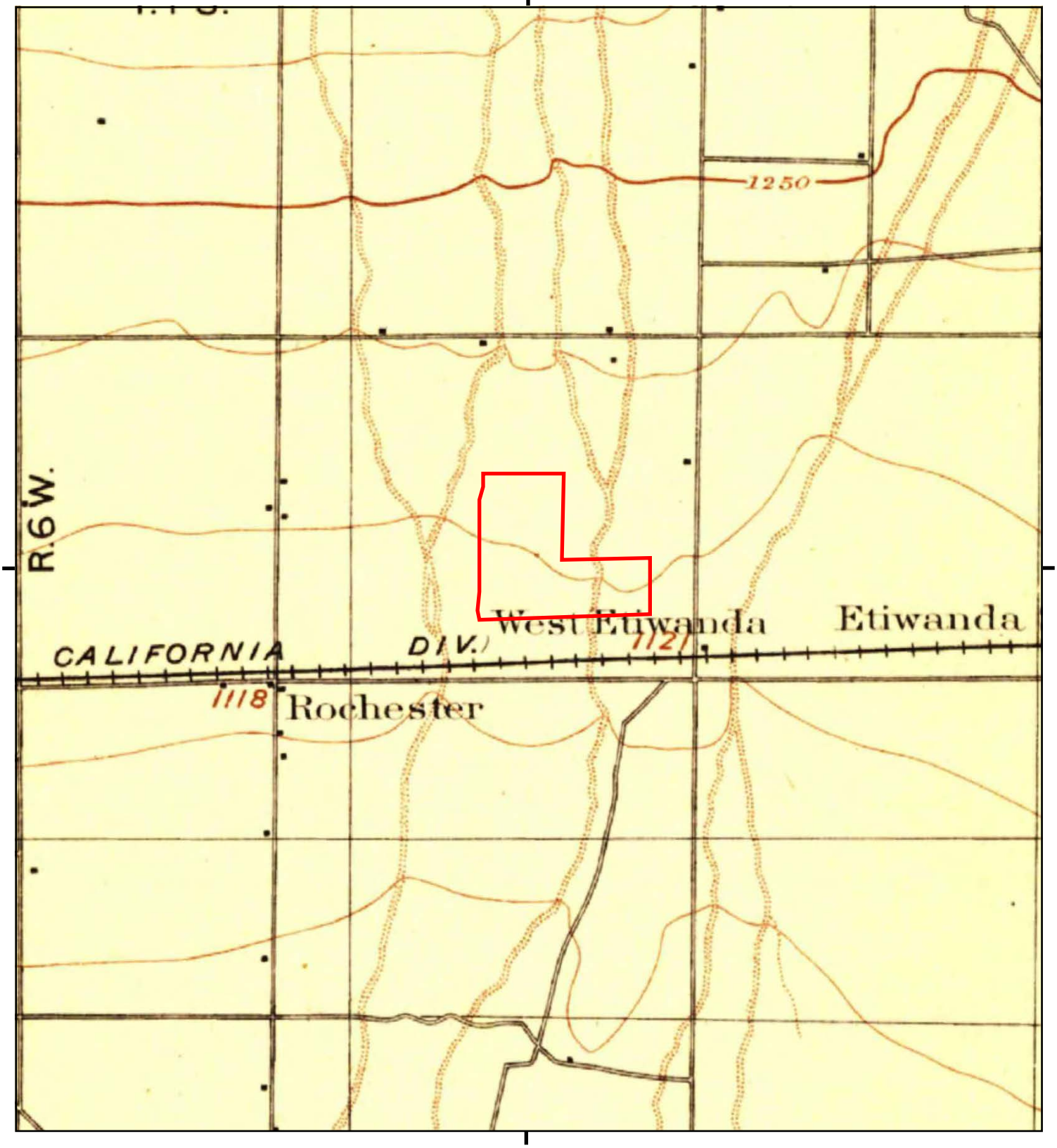
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cucamonga, 1900, 15-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cucamonga, 1897, 15-minute

SITE NAME: 12343, 12353,12451, 12455, and 12459 /
ADDRESS: 12343, 12353,12451, 12455, and 12459 /
Rancho Cucamonga, CA 91739
CLIENT: Kleinfelder, Inc.

N

12343, 12353,12451, 12455, and 12459 Arrow Route
12343, 12353,12451, 12455, and 12459 Arrow Route
Rancho Cucamonga, CA 91739

Inquiry Number: 7435473.8
September 05, 2023

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

About This Report

Executive Summary

Findings

Glossary

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E1527 - 21 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Kleinfelder, Inc. on Sep 05, 2023.

TARGET PROPERTY

12343, 12353,12451, 12455, and 12459 Arrow Route
Rancho Cucamonga, CA 91739

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **NO PERMITS IDENTIFIED**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: San Bernardino County
Years: 1970-2023
Source: San Bernardino County, Land Use, Building & Safety, ONTARIO, CA
Phone: (909) 387-8311

Name: Rancho Cucamonga
Years: 2002-2023
Source: City of Rancho Cucamonga, Building & Safety Dept., RANCHO CUCAMONGA, CA
Phone: (909) 477-2710

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

12343, 12353,12451, 12455, and 12459 Arrow Route
Rancho Cucamonga, CA 91739

No Permits Found

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Permits Found

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

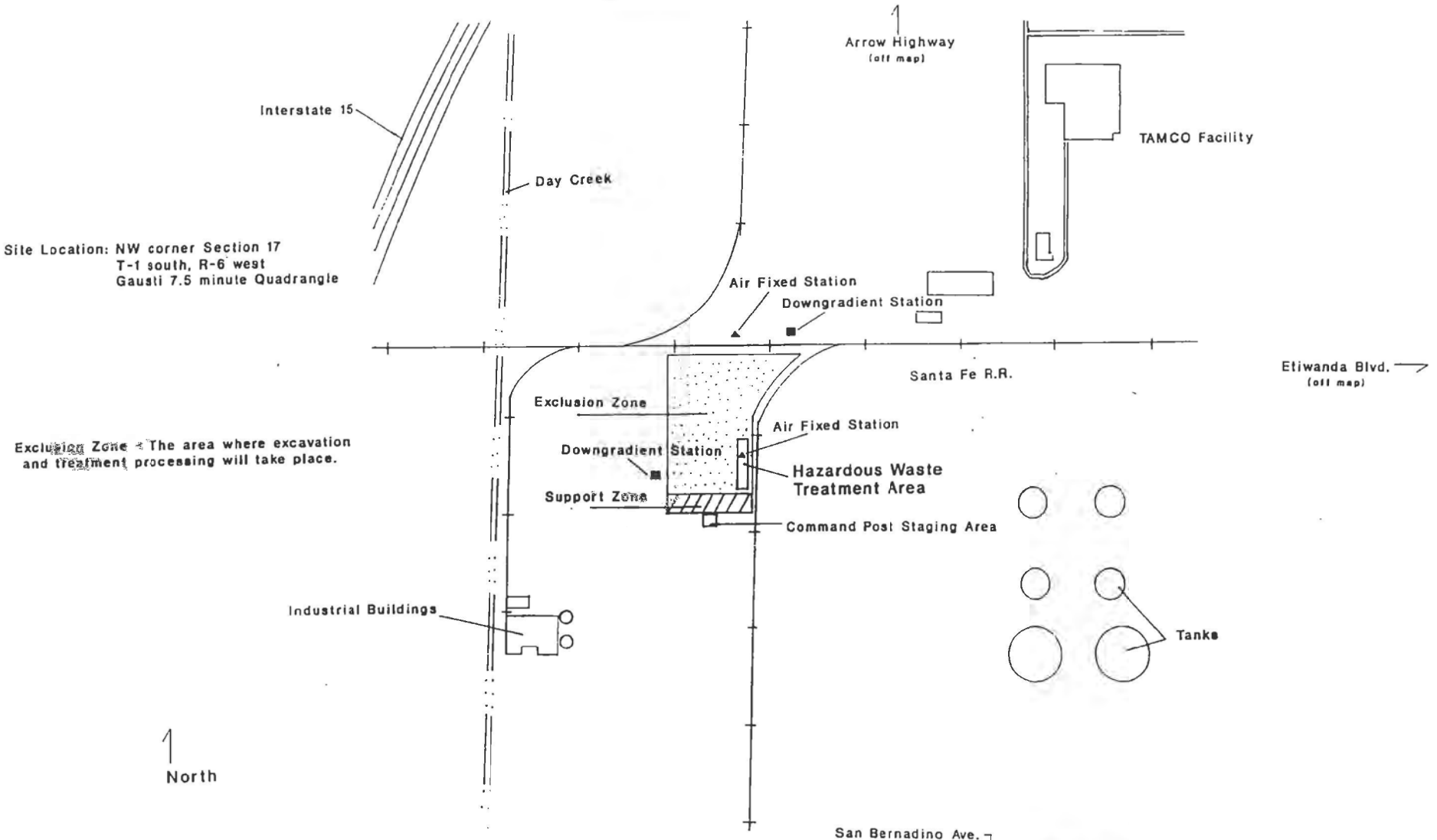
Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

APPENDIX E
Historical Site Investigation Figures

Copyright 2024 Kleinfelder



South West Property adjacent to TAMCO

Remediation of Contaminated Soils

Cut Project# 90-018

July 19, 1990

Drawn By ELC

CUT Clean-Up Technology Inc.
Remediation Contractors

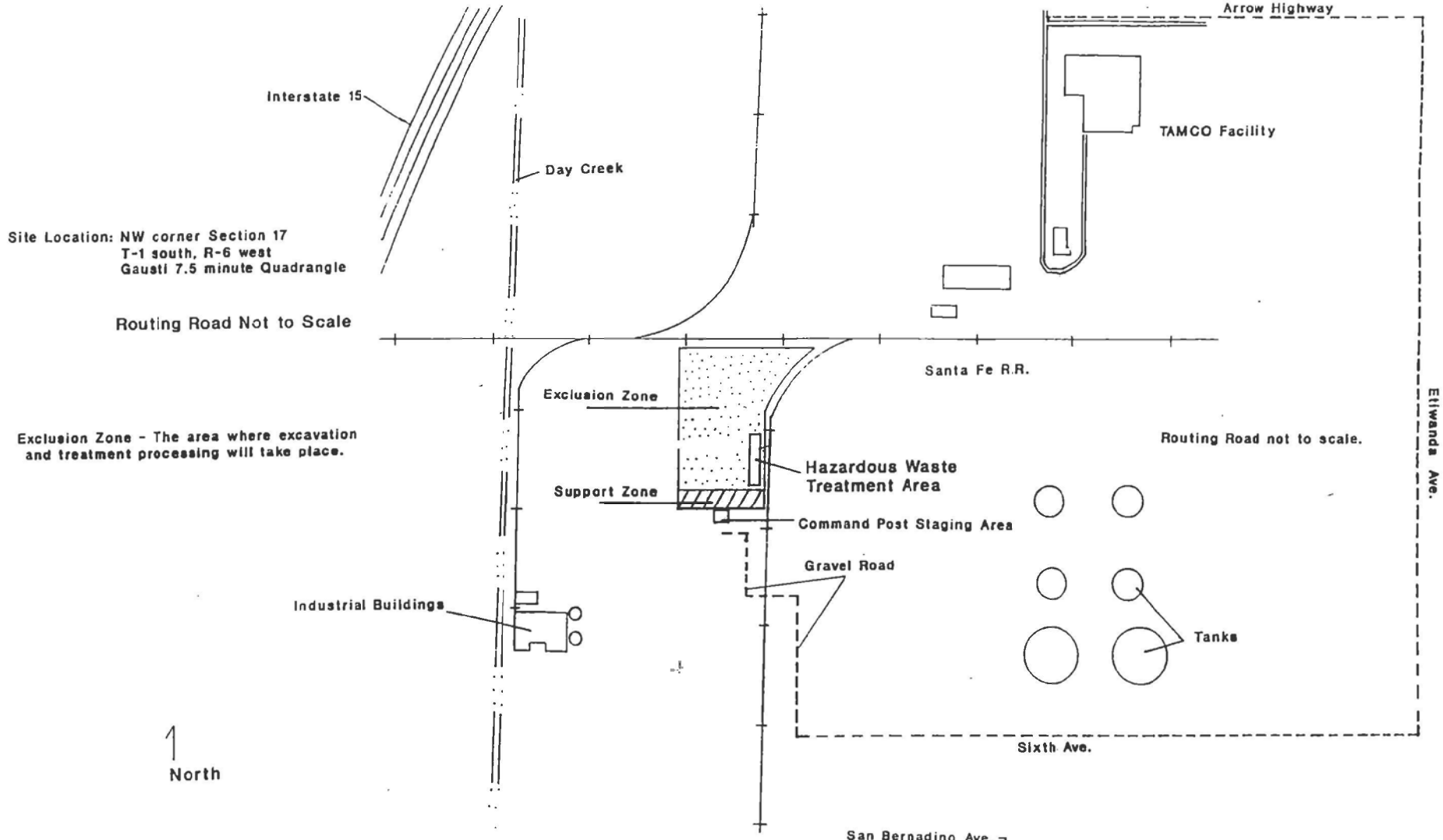
11400 West Olympic Blvd
2nd Floor
Los Angeles CA 90064-1507

(213) 445-8868
FAX (213) 445-8800

Figure 3: Perimeter Monitoring Locations

▲ Air Fixed Station

■ Downgradient Station



South West Property adjacent to TAMCO

Remediation of Contaminated Soils

Cut Project# 90-018

July 19, 1990

Drawn By ELC

CUT Clean-Up Technology Inc.
Remediation Contractors

11400 West Olympic Blvd
2nd Floor
Los Angeles CA 90064-1507
(213) 445-6868
FAX (213) 445-6800

Figure 6 Routing to Remediation Site and Tamco

Route - - - - - - - - - -

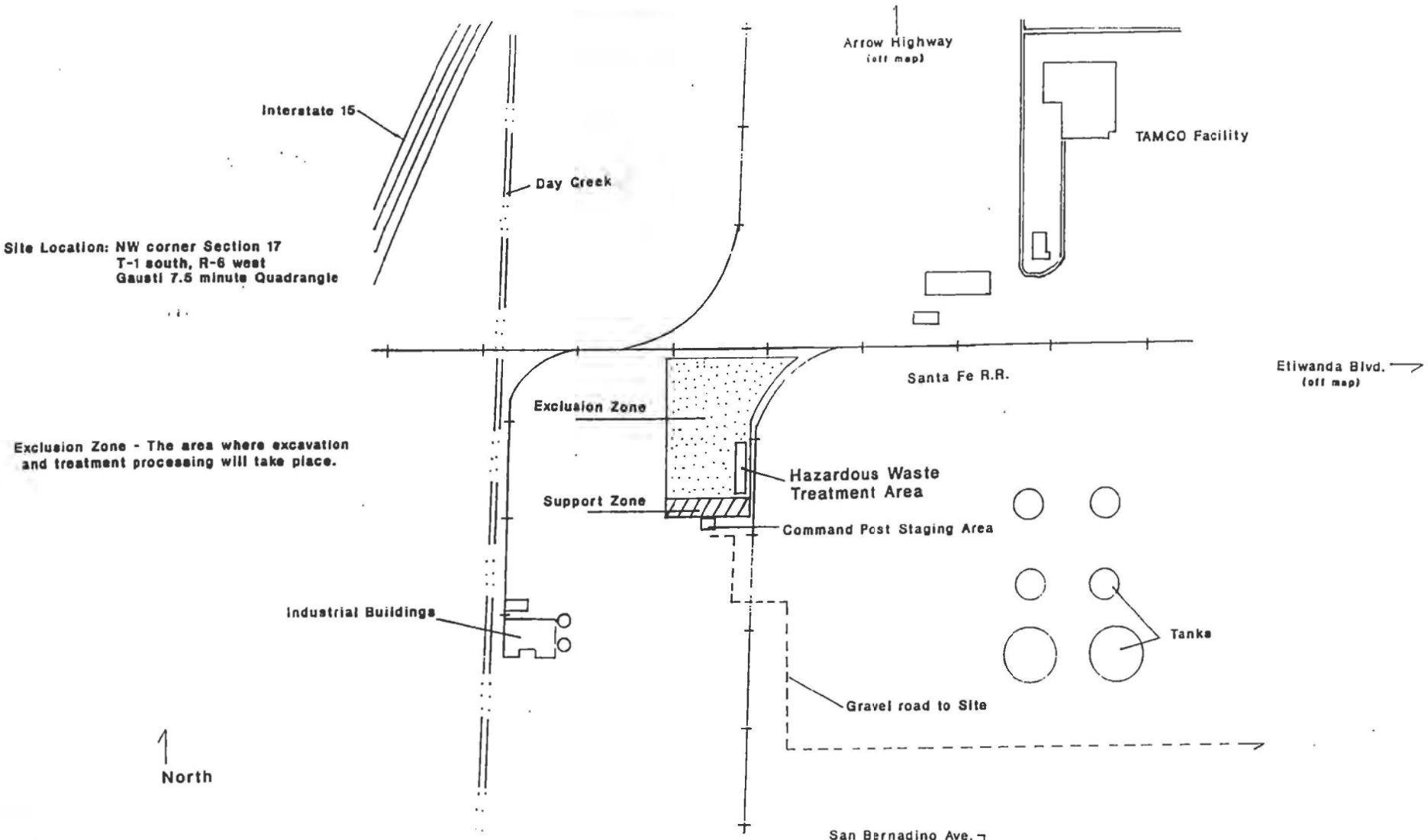


Figure: Health and Safety Plan

July 19, 1990

Drawn By ELC

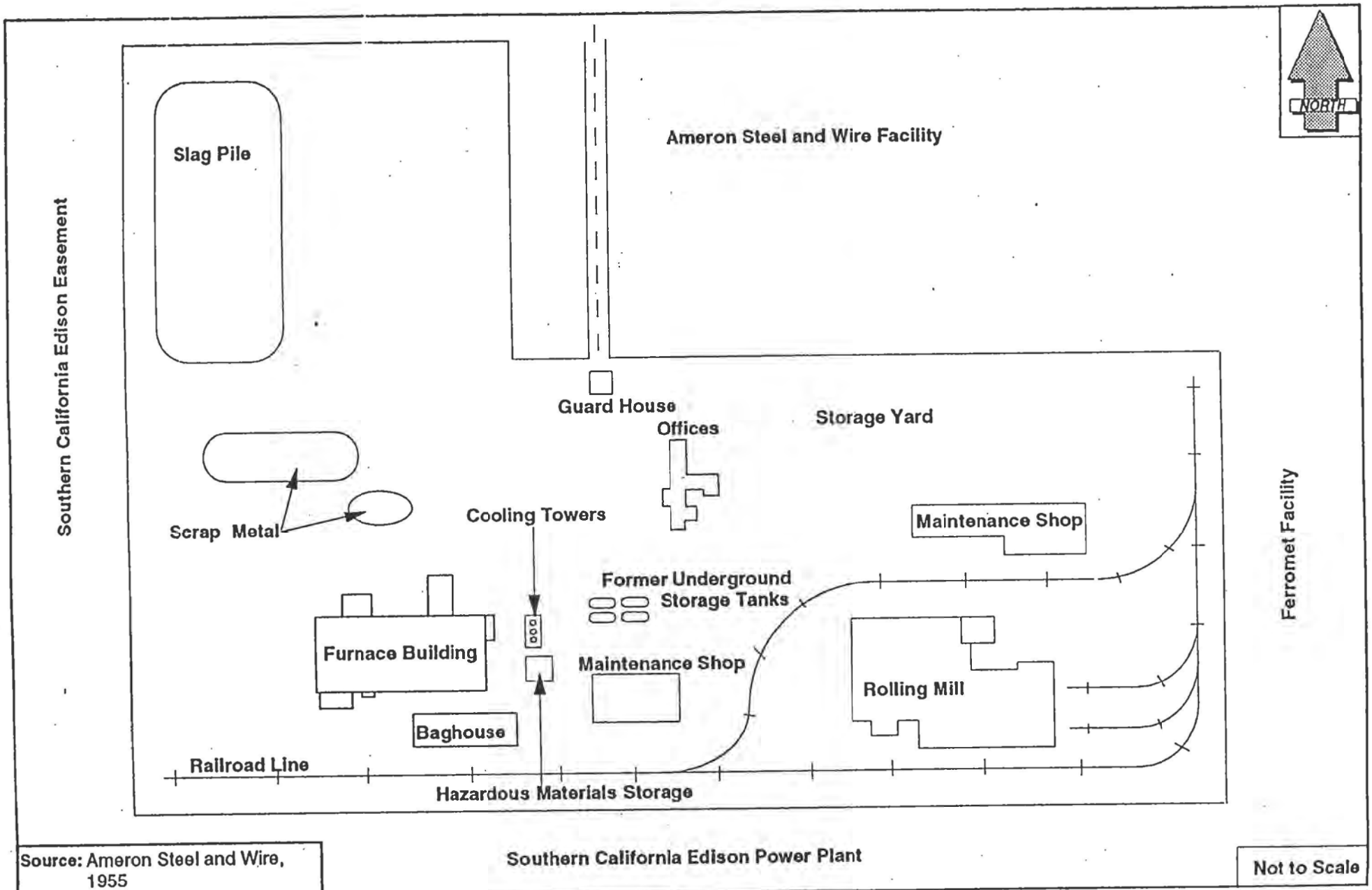
CUT Clean-Up Technology Inc.
Remediation Contractors

11400 West Olympic Blvd
2nd Floor
Los Angeles, CA 90064-1507

(213) 445-8868
FAX (213) 445-8800

Treatment Site Plot Plan

Tamco Steel
Clean-Up Technology Job# 90-018



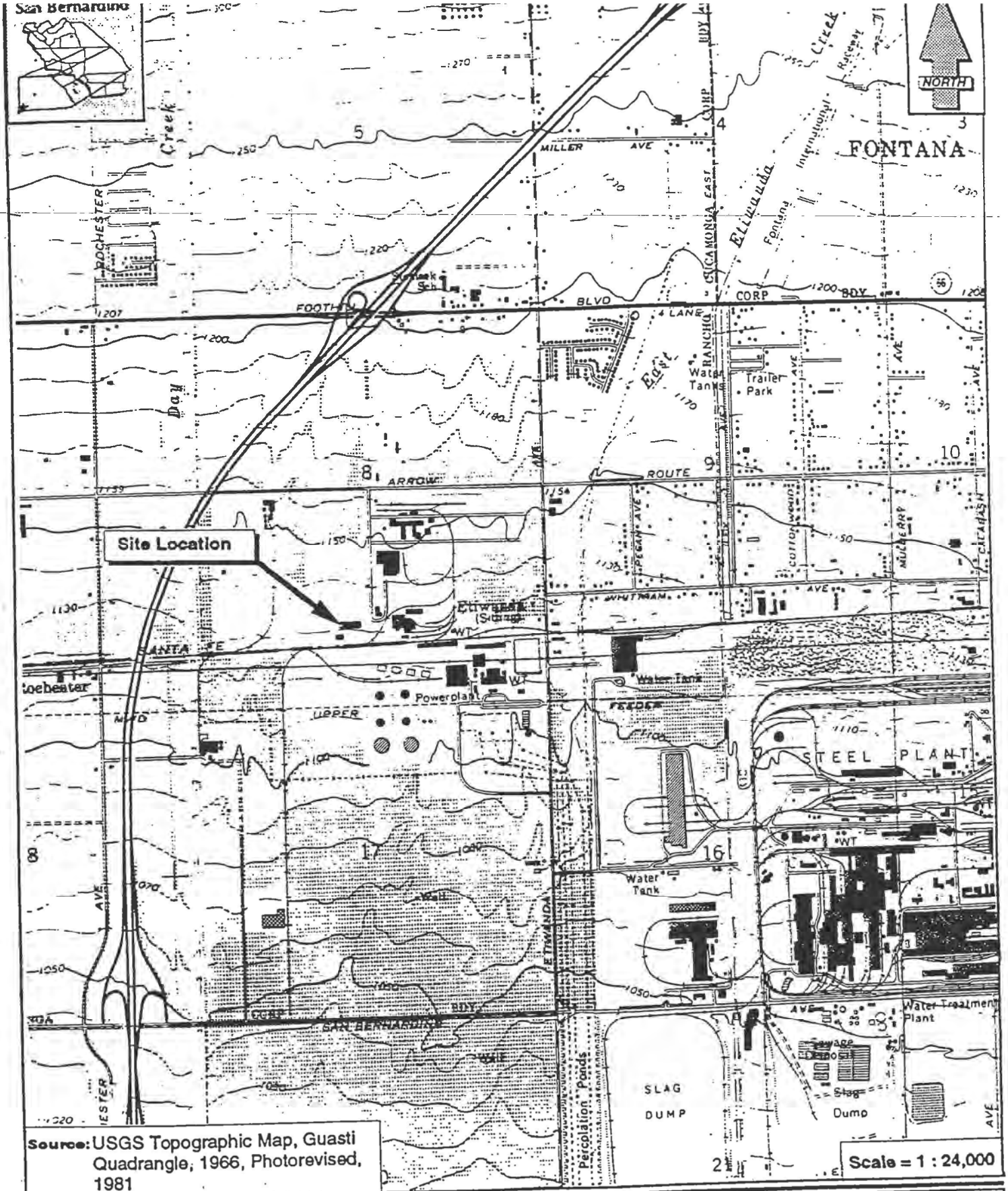
URS Consultants
100 California Street
San Francisco, CA 94111
November 16, 1993

Facility Map

TAMCO
12459 Arrow Highway
Rancho Cucamonga, California

FIGURE

2



Source: USGS Topographic Map, Guasti Quadrangle, 1966, Photorevised, 1981

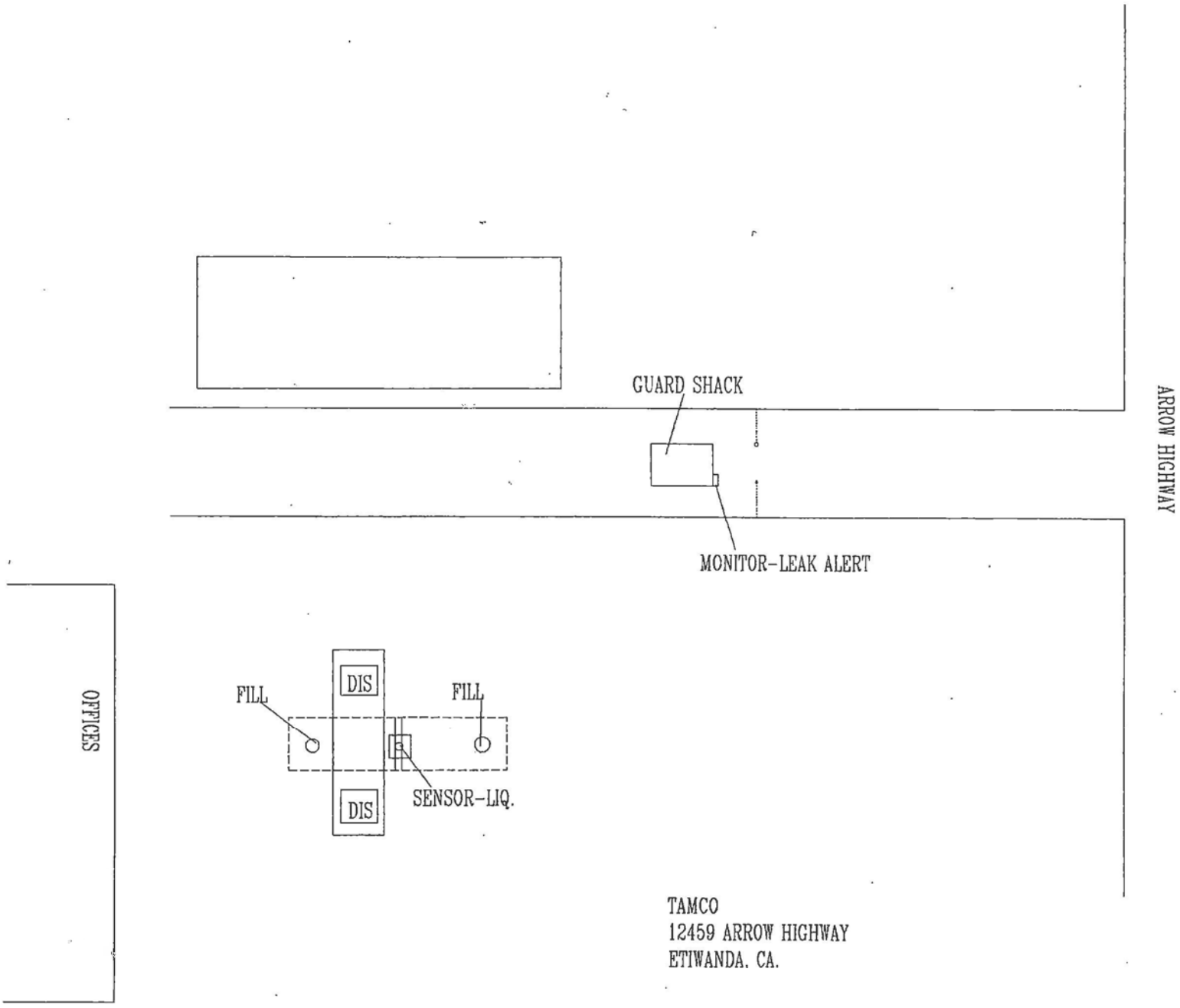
Site Location Map

Tamco
12459 Arrow Highway
Rancho Cucamonga, California

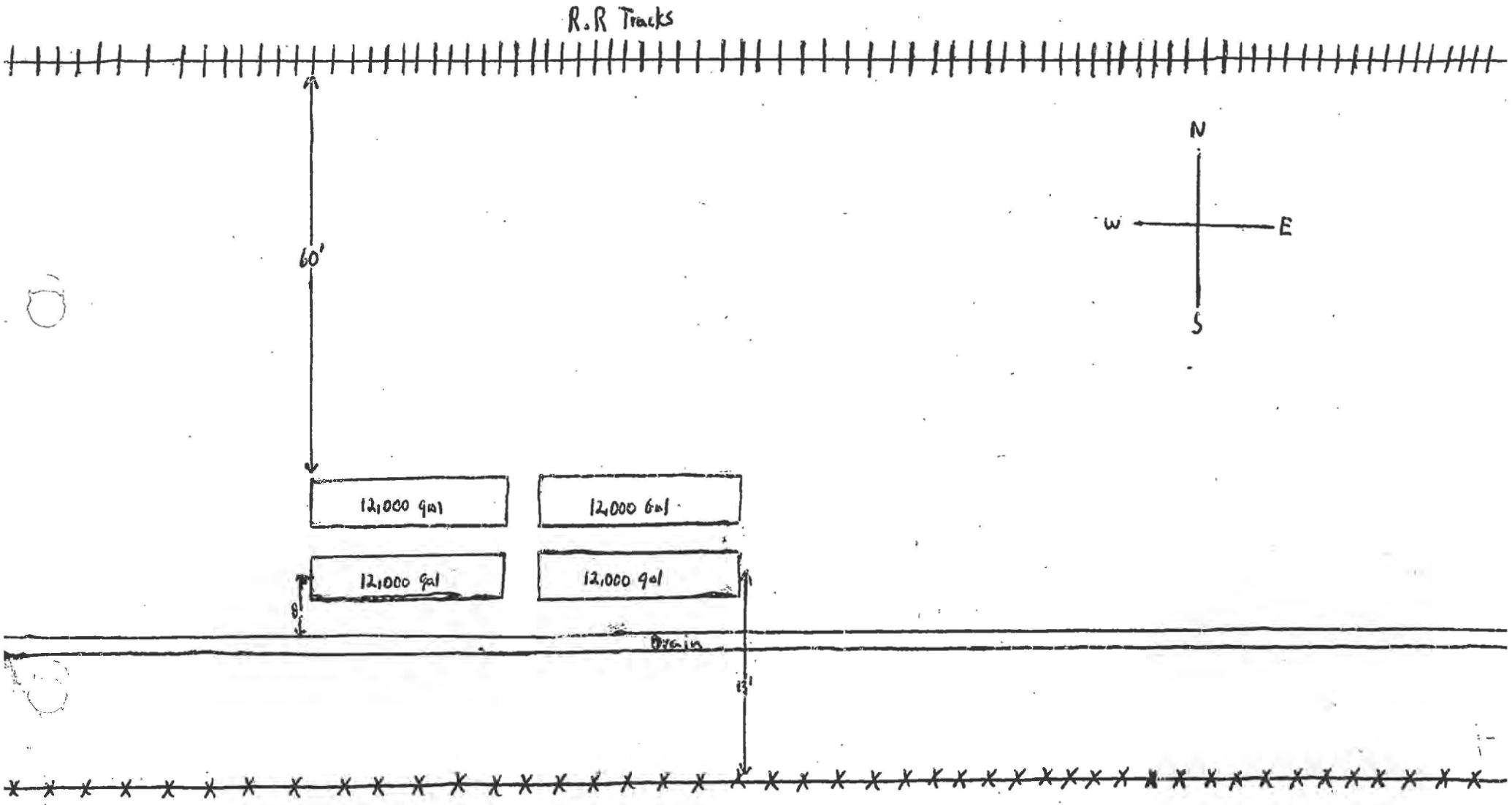
FIGURE

1

URS Consultants
100 California Street
San Francisco, CA 94111
October 19, 1993

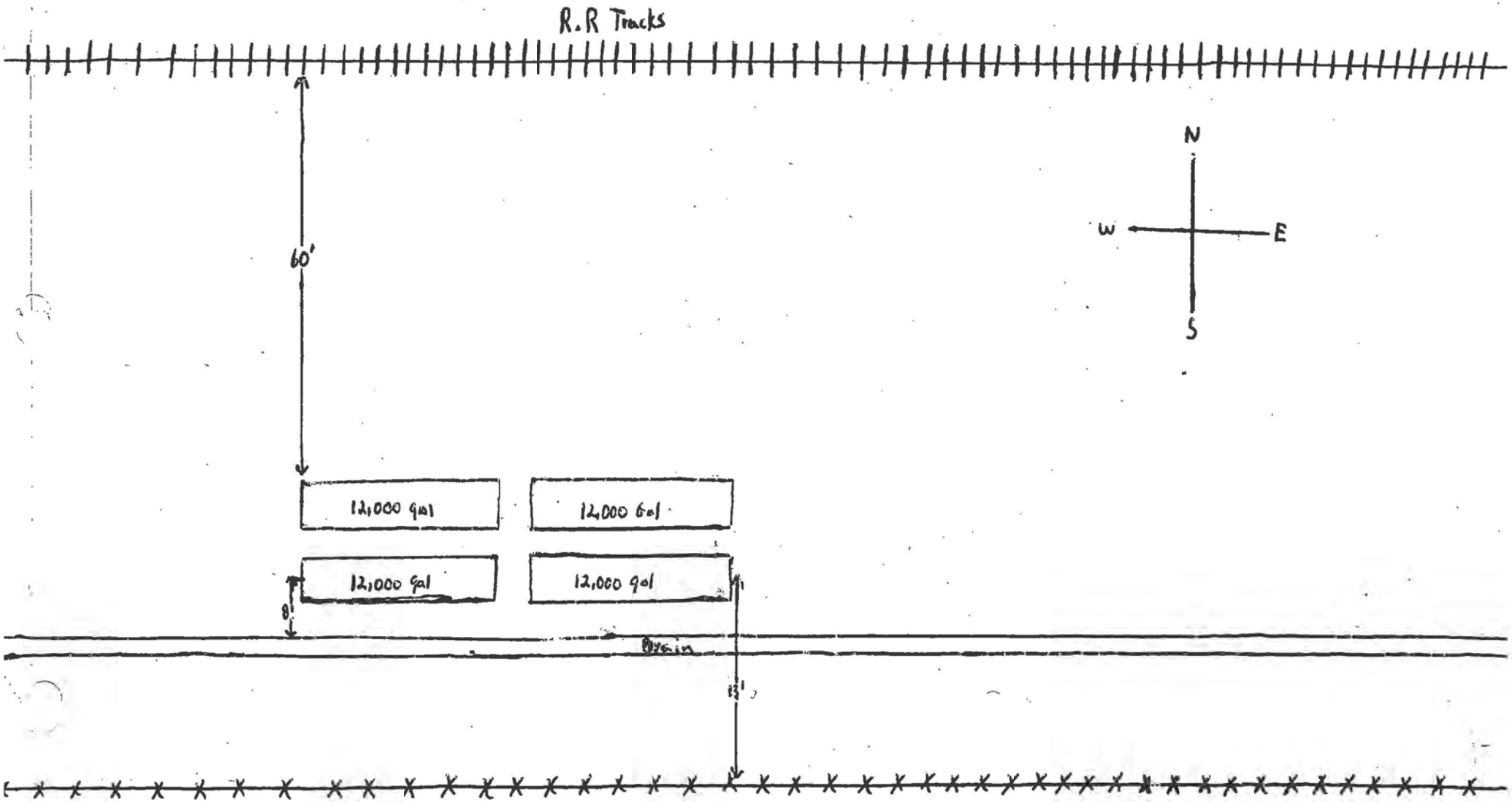


TAMCO
12459 ARROW HIGHWAY
ETIWANDA. CA.



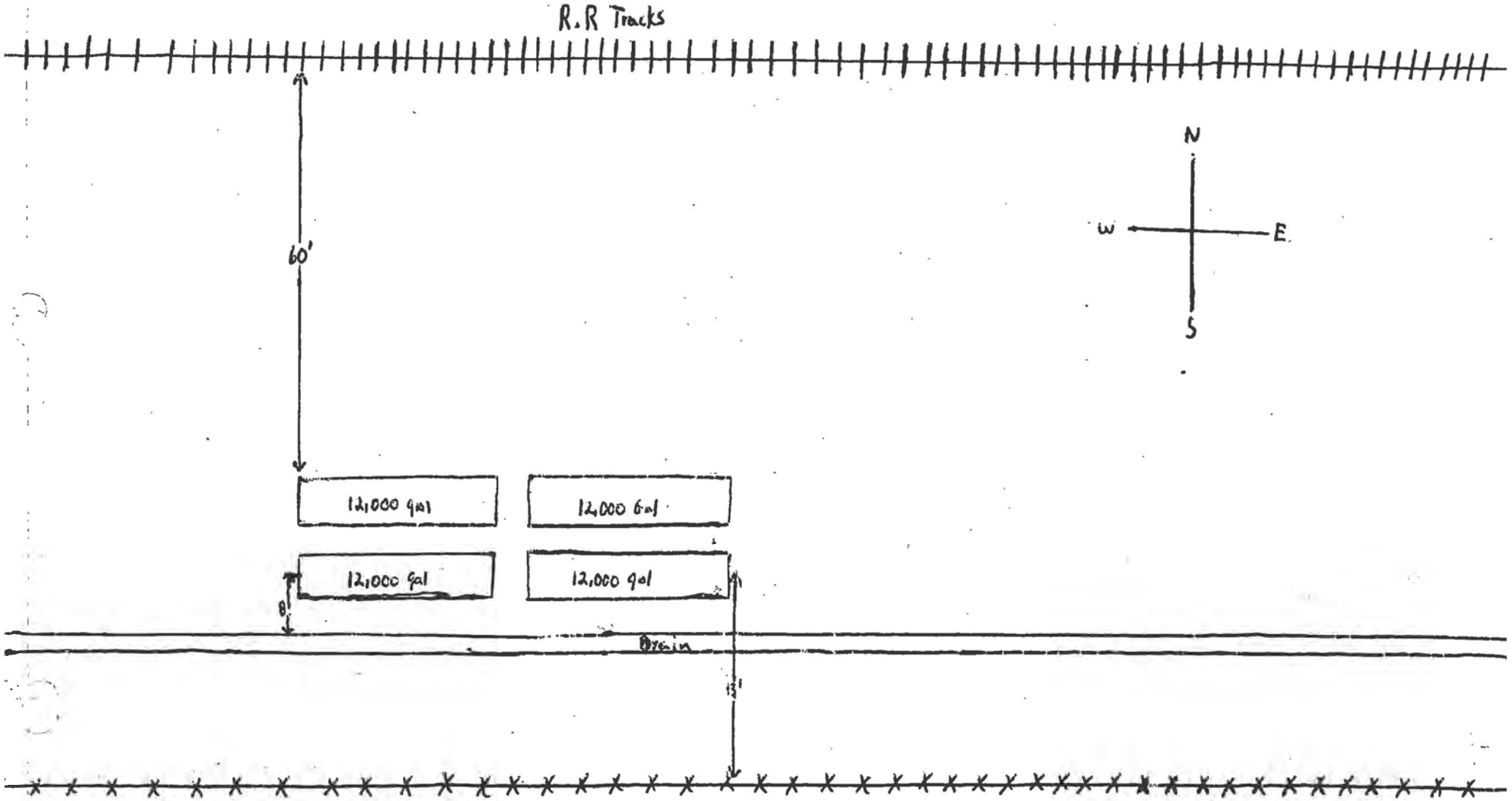
TAMCO Fuel Oil TANKS
12459-B ARROW ROUTE
Rancho Cucamonga, CA 91739

Registered Environmental Assessor I
DINO RODRIGUEZ
REA I - 07711
Expires: Jun. 30, 2007
STATE OF CALIFORNIA



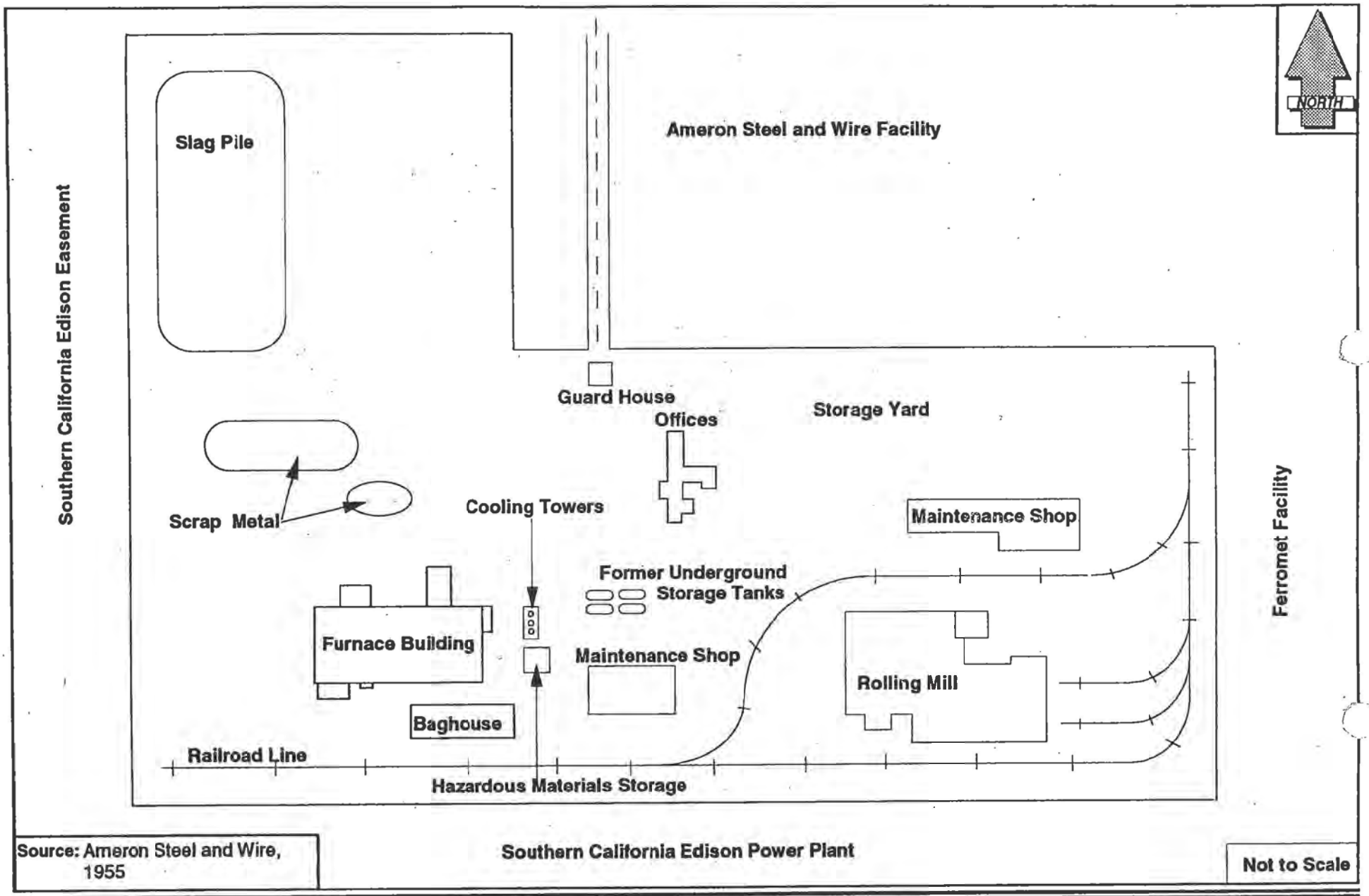
TAMCO Fuel Oil TANKS
12459-B ARROW Route
Rancho Cucamonga, CA 91739

Registered Environmental Assessor I
DINO RODRIGUEZ
REA I - 07711
Expires: Jun. 30, 2007
STATE OF CALIFORNIA



TAMCO Fuel Oil TANKS
12459-B ARROW Route
Rancho Cucamonga, CA 91739

Registered Environmental Assessor I
DINO RODRIGUEZ
REA I - 07711
Expires: Jun. 30, 2007
STATE OF CALIFORNIA

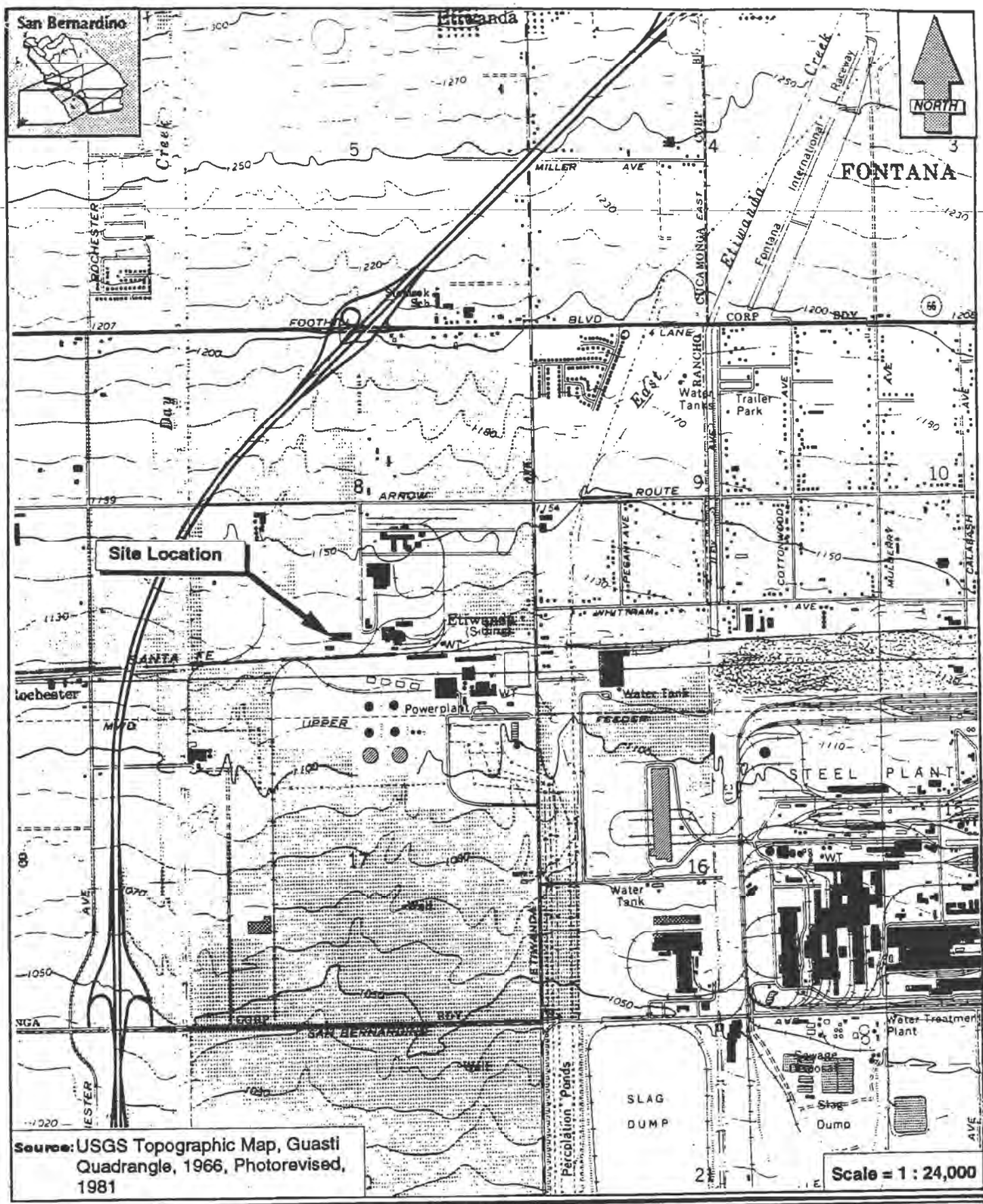


URS Consultants
100 California Street
San Francisco, CA 94111
November 16, 1993

Facility Map

TAMCO
12459 Arrow Highway
Rancho Cucamonga, California

FIGURE
2



Source: USGS Topographic Map, Guasti Quadrangle, 1966, Photorevised, 1981

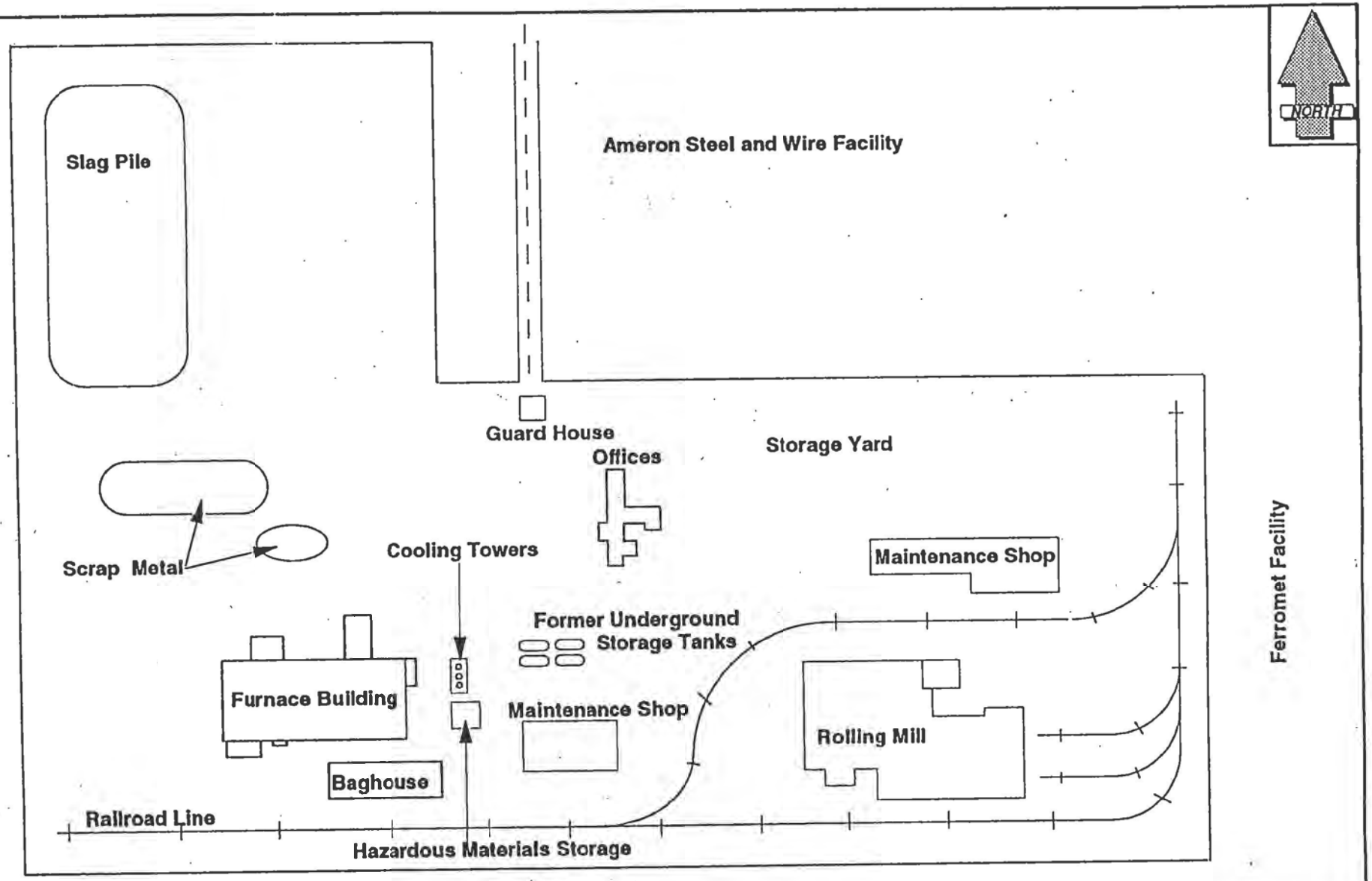
URS Consultants
100 California Street
San Francisco, CA 94111
October 19, 1993

Site Location Map

Tamco
12459 Arrow Highway
Rancho Cucamonga, California

FIGURE

1



Source: Ameron Steel and Wire, 1955

Not to Scale

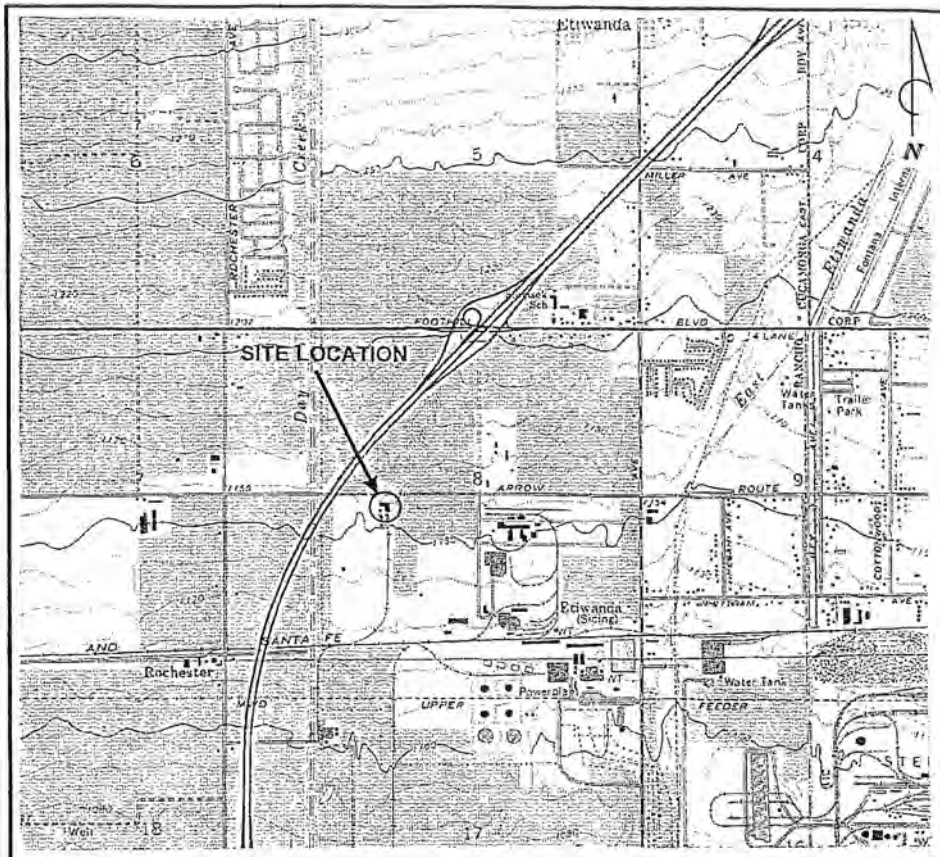
URS Consultants
100 California Street
San Francisco, CA 94111
November 16, 1993

Facility Map

TAMCO
12459 Arrow Highway
Rancho Cucamonga, California

FIGURE

2





QUADRANGLE LOCATION

REFERENCES:
USGS 7.5 MIN. TOPOGRAPHIC MAP
TITLED: GUASTI, CALIFORNIA
DATED: 1981 REVISED: 1982

SCALE IN FEET

2000 0 2000

PACIFIC ENVIRONMENTAL GROUP, INC.	FONTANA STEEL, INC. 12451 Arrow Route Etiwanda, California 91739	FIGURE: 1
	SITE LOCATION MAP	PROJECT: 660-001.1A

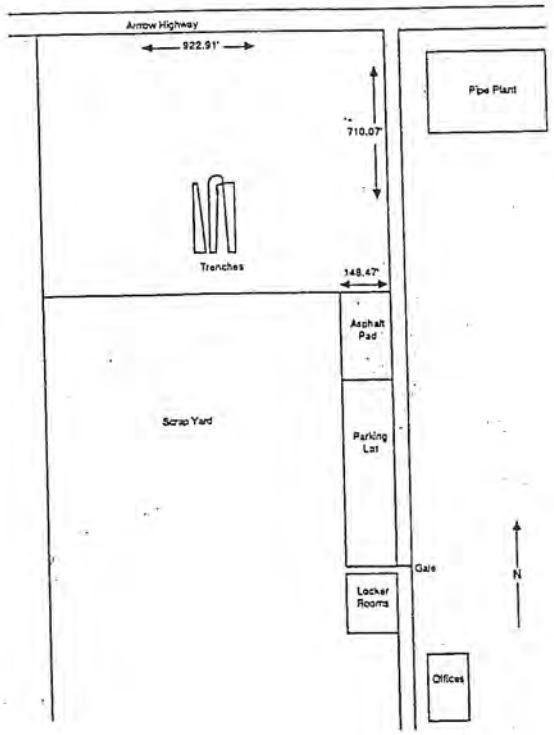
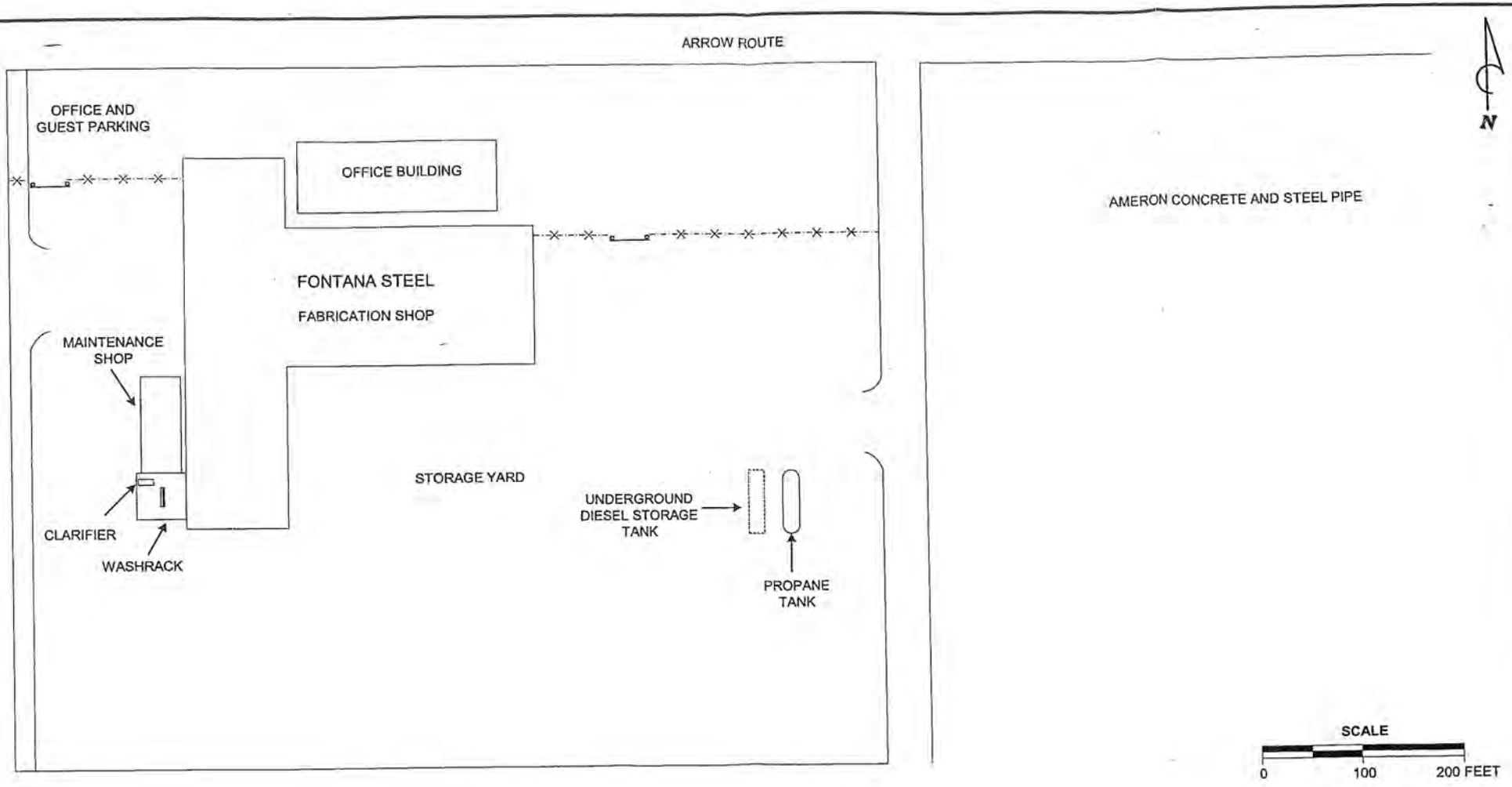


Figure 3 Schematic of Ameron Showing Relative Locations of Trenches



PACIFIC ENVIRONMENTAL GROUP, INC.

TITLE:

SITE MAP

PREPARED FOR:

FONTANA STEEL, INC.
12451 Arrow Route
Rancho Cucamonga, California

DATE: 10-23-98 | PROJECT: 660-001.1A | FIGURE: 2

Reference: Location\filename

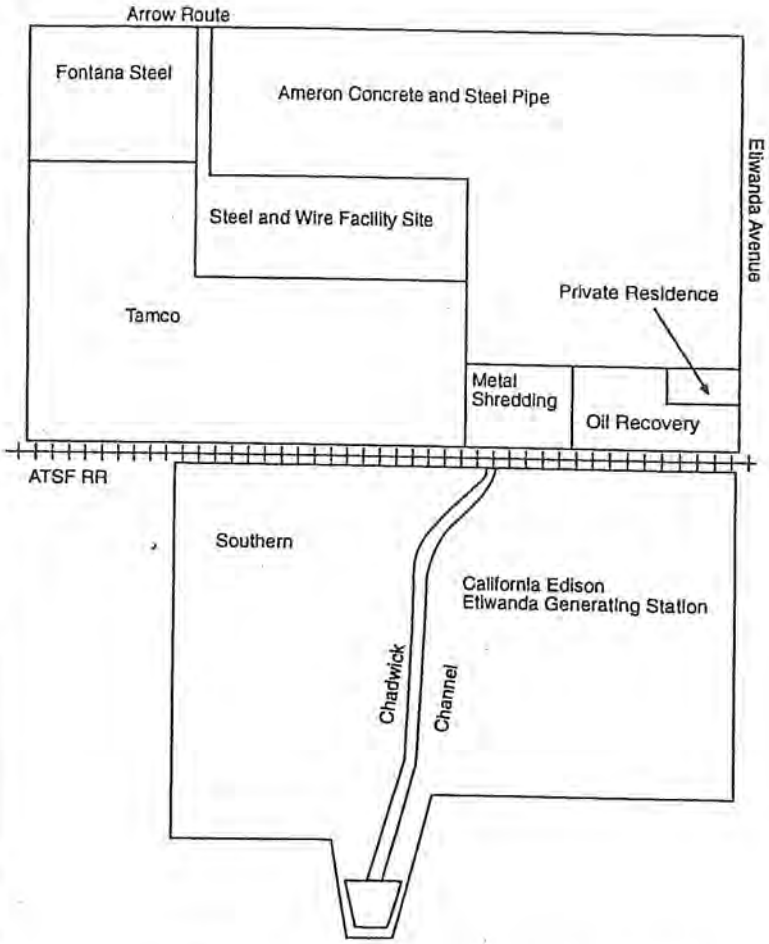
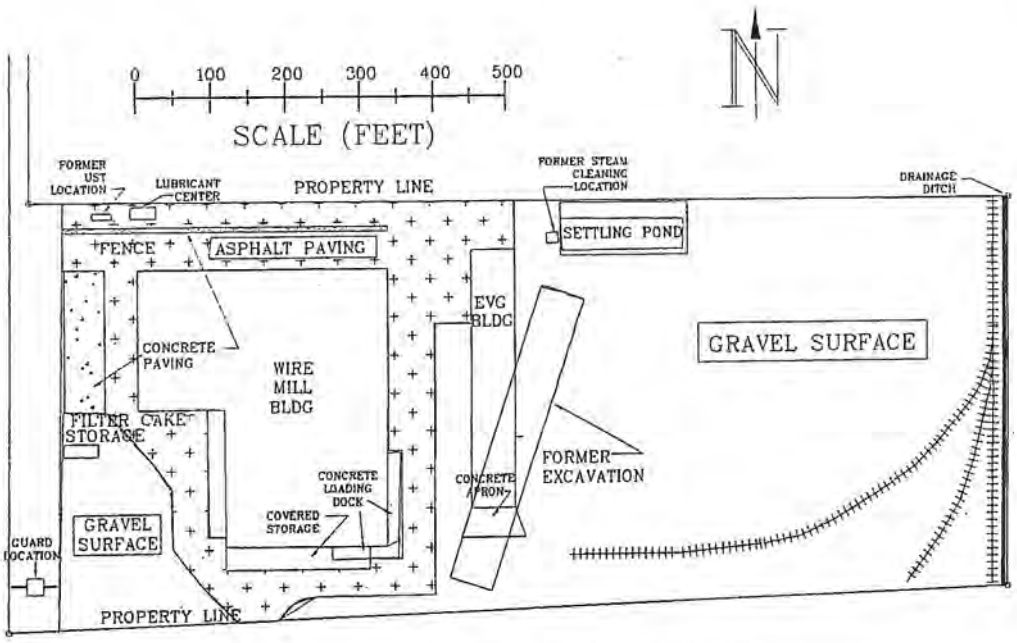
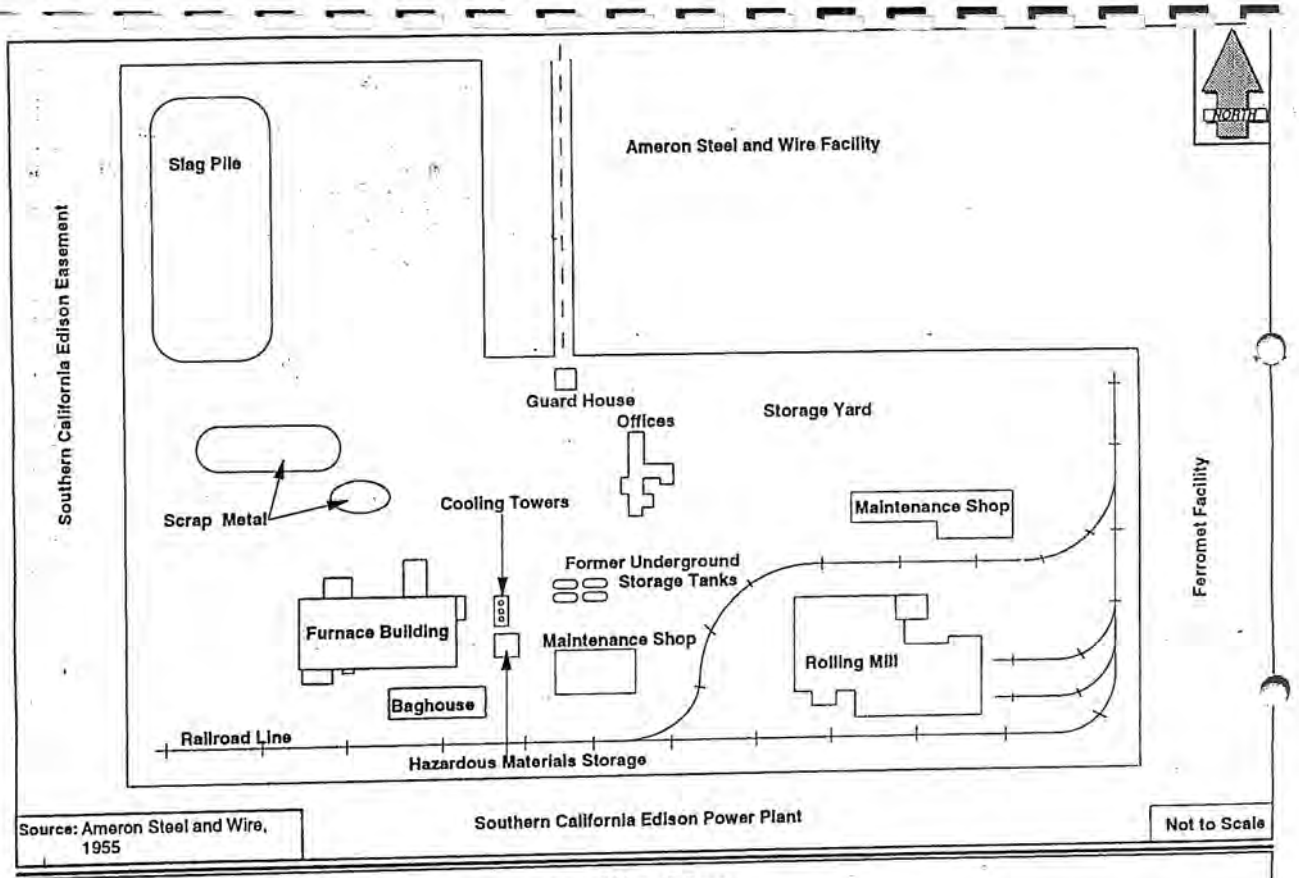


Figure 4 **Location of neighboring industrial facilities surrounding the site.**



Location of buildings and other features within the site.

Figure 5



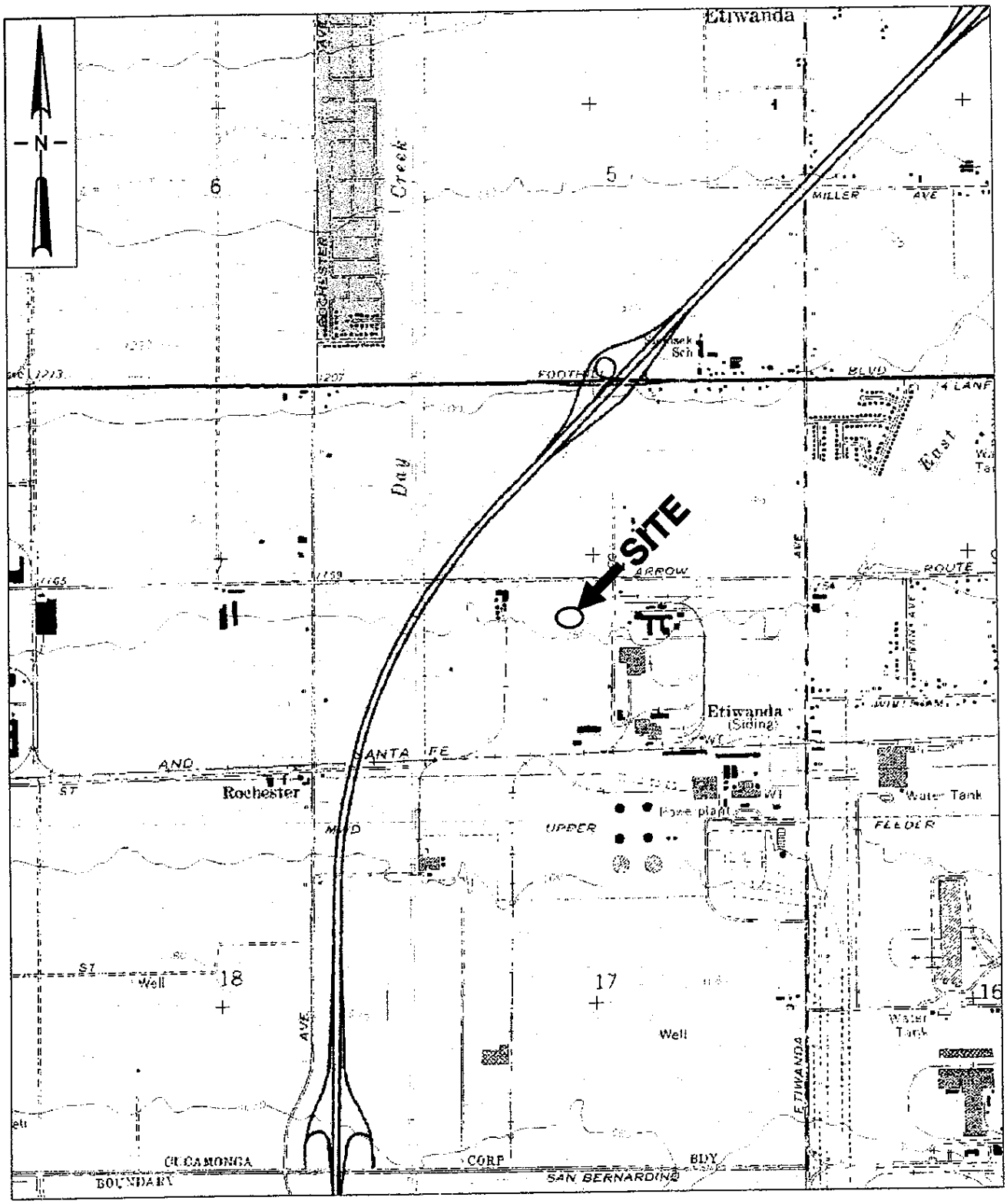
URS Consultants
100 California Street
San Francisco, CA 94111
November 16, 1993

Facility Map

TAMCO
12459 Arrow Highway
Rancho Cucamonga, California

Figure 6

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
KK 01/01		SLM 01/01	660-001.B



REFERENCE: DeLORME 3-D TopoQuads, CALIFORNIA SOUTH, COPYRIGHT 1999

0 1/2 1 Mile

0 2000 Feet

SCALE

IT CORPORATION

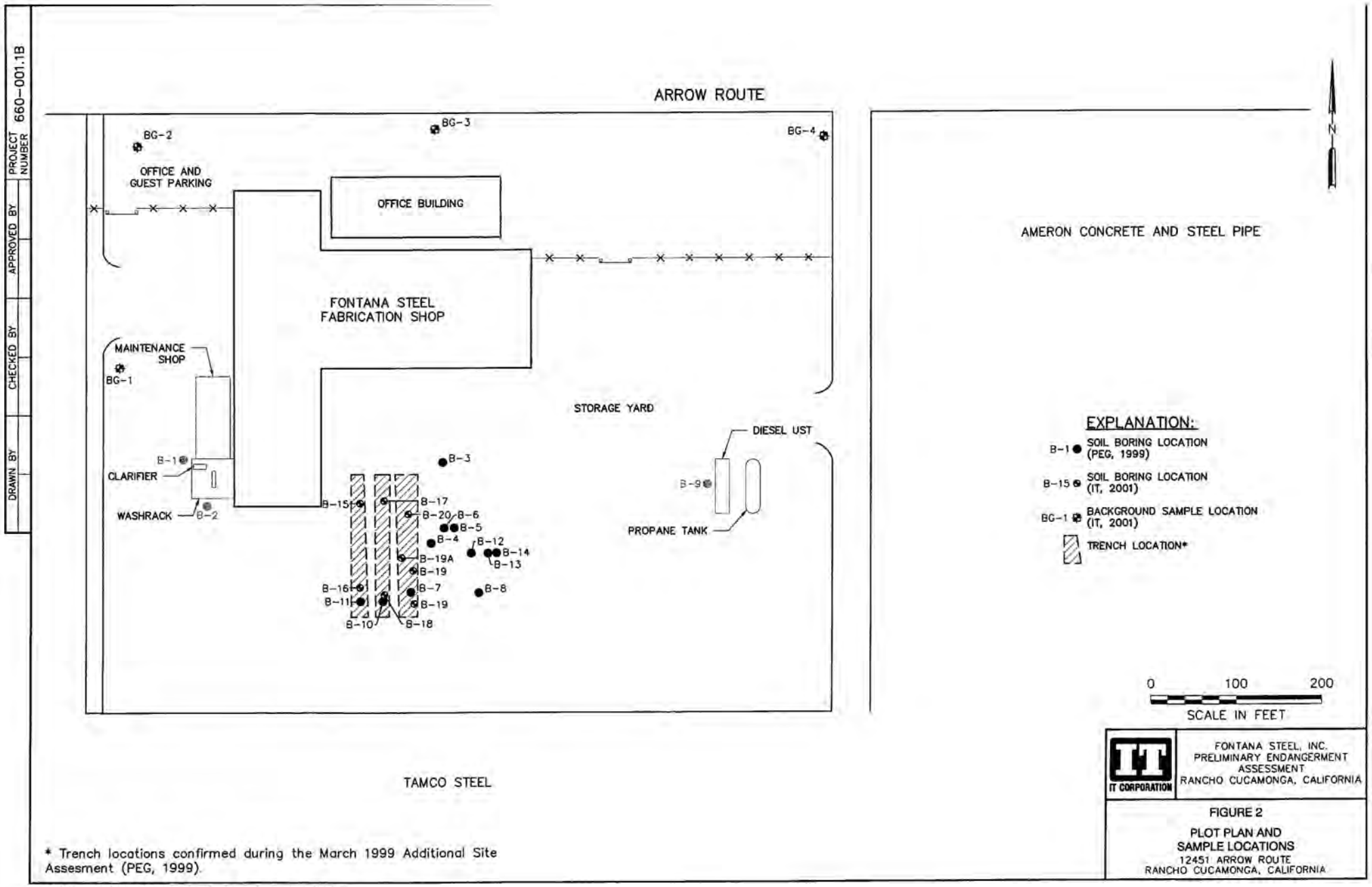
FONTANA STEEL, INC.
PRELIMINARY ENDANGERMENT ASSESSMENT
RANCHO CUCAMONGA, CALIFORNIA

FIGURE 1

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

N:\CAD\DWG\660001B\PAFSISLM.dwg Mon 26/Mar/01 11:51am kkistinger



* Trench locations confirmed during the March 1999 Additional Site Assesment (PEG, 1999).

IT CORPORATION

FONTANA STEEL, INC.
PRELIMINARY ENDANGERMENT ASSESSMENT
RANCHO CUCAMONGA, CALIFORNIA

FIGURE 2

PLOT PLAN AND SAMPLE LOCATIONS
12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

PROJECT NUMBER 660-001.1B
APPROVED BY
CHECKED BY
DRAWN BY

I:\CAD\DWG\660001B\PAFSISM02.dwg Wed. 25/Jul/01 03:34pm kkistinger

TAMCO

BUSINESS ADDRESS 12459–B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

1 2 3 4 5 6

FONTANA STEEL FACILITY
PARCEL #1 (14.339 ACRES)

EW PROPERTY
9 ACRES

FENCED CONTAMINATED SLAG PILE

WORKING SLAG PILE

SLAB #6 (150' X 450')

52'

48'

SLAB #5 (150 x 450')

SCRAP SLAB #3

SLAB #4 (140'x 300')

SCRAP SLAB #2

TOTAL SLAB AREA=
± 1/2 ACRES
(147,500 SQ.FT.)

MAINTENANCE STORAGE YARD

MELT SHOP BURNING AREA

PARKING LOT

PRIVATE ROAD TO & FROM ARROW RTE

ELY PROPANE SYSTEM

SCALE HOUSE

LOCKER ROOM

MELT SHOP AREA

TAMCO
60 d

RECEIVED
MAY 18 2000

RECEIVED
MAY 18 2000
TAMCO
ENV/SAFETY DEPT.

INDUSTRIAL WIRE PRODUCTS
WIRE MILL

PARKING
(461-5501)

TO ARROW HIGHWAY

GUARD SHACK

LOCKER ROOM

FUEL PUMPS
GASOLINE & DIESEL

NATURAL GAS
MAIN SHUTOFF VALVES

FUEL PUMPS
EMERGENCY SHUTOFF

REBAR STORAGE

REBAR STORAGE

AMERON
ARROW
CONCRETE PIPE
PLANT

MAIN
OFFICE
461-6663

PROPANE

NATURAL GAS
SHUTOFF VALVES

PROJECT SHOP
(WESTERN-7 BUILDING)

SIMSMETAL
SHREADING PLANT

TAMCO
MELT SHOP

ITAM
REHEAT
FURNACE

WAREHOUSE

ROLL SHOP

ROLL SHOP

ROLL MILL

MAINTENANCE SHOP

MACHINE
SHOP

WAREHOUSE

MOBILE
MAINTENANCE

BUNDLING
SYSTEM

DES-ENG-CON
HOT BED

BILLET
STORAGE

SO. CAL.
EDISON
SUBSTATION

ELECTRONICS
SHOP

B.N. & S.F. RAILROAD

PROPERTY LINE DIMENSIONS PER A.L.T.A. SURVEY

4-85-3353	AMERON	R/M FIRE HYDRANTS – LAYOUT & DETAIL	
4B1-6856	TAMCO	R/M – FIRE ROADS & HYDRANTS	
4B1-6853	TAMCO	AREA LAYOUT – BUILDING LEVEL	
DRAWING NO.	COMPANY	TITLE	

REFERENCES

SYM	REVISIONS	DATE	BY	APP'V
△				

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DIM IN FEET & INCHES
TOLERANCES
DWG. SCALE (1=600) 1"=50'

TAMCO
RANCHO CUCAMONGA CALIFORNIA 91730

ROLL MILL – GENERAL PLANT
AREA LAYOUT
FIRE ROADS & HYDRANTS

		DATE	ENGR. FILE NO. 2.85
DESIGNED			
DRAWN	GLT	1-98	6856GRID
CHECKED			
APP'D			

REV.

INDUSTRIAL SUBDIVISION
12459-B ARROW HIGHWAY

CAD98301404

FONTANA STEEL FACILITY
PARCEL #1 (14.339 ACRES)

PROPERTY
ACRES

FLAG	ITEM NO.	QUANTITY THIS DWG.	DESCRIPTION

FENCED CONTAMINATED SLAG PILE

STORED JUNK

WORKING SLAG PILE

SLAB #5 (150 x 450')

SCRAP SLAB #3

SLAB #4 (140'x 300')

SCRAP SLAB #2

MAINTENANCE STORAGE YARD

MELT SHOP BURNING AREA

ELY PROPANE SYSTEM

SCALE HOUSE

LOCKER ROOM

IWP WIRE MILL

LEASED PROPERTY
PARCEL (27.37 ACRES)

MAIN OFFICE

PROJECT SHOP

WAREHOUSE

ROLL SHOP

ROLL MILL

MAINTENANCE

WAREHOUSE

MOBILE MAINTENANCE

ITAM REHEAT FURNACE

COOLING BED

NKK BUNDLING SYSTEM

MELT SHOP AREA

TOTAL SLAB AREA= 5 1/2 ACRES (247,500 SQ.FT.)

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TOLERANCES

DWG SCALE 1=1000

TITLE

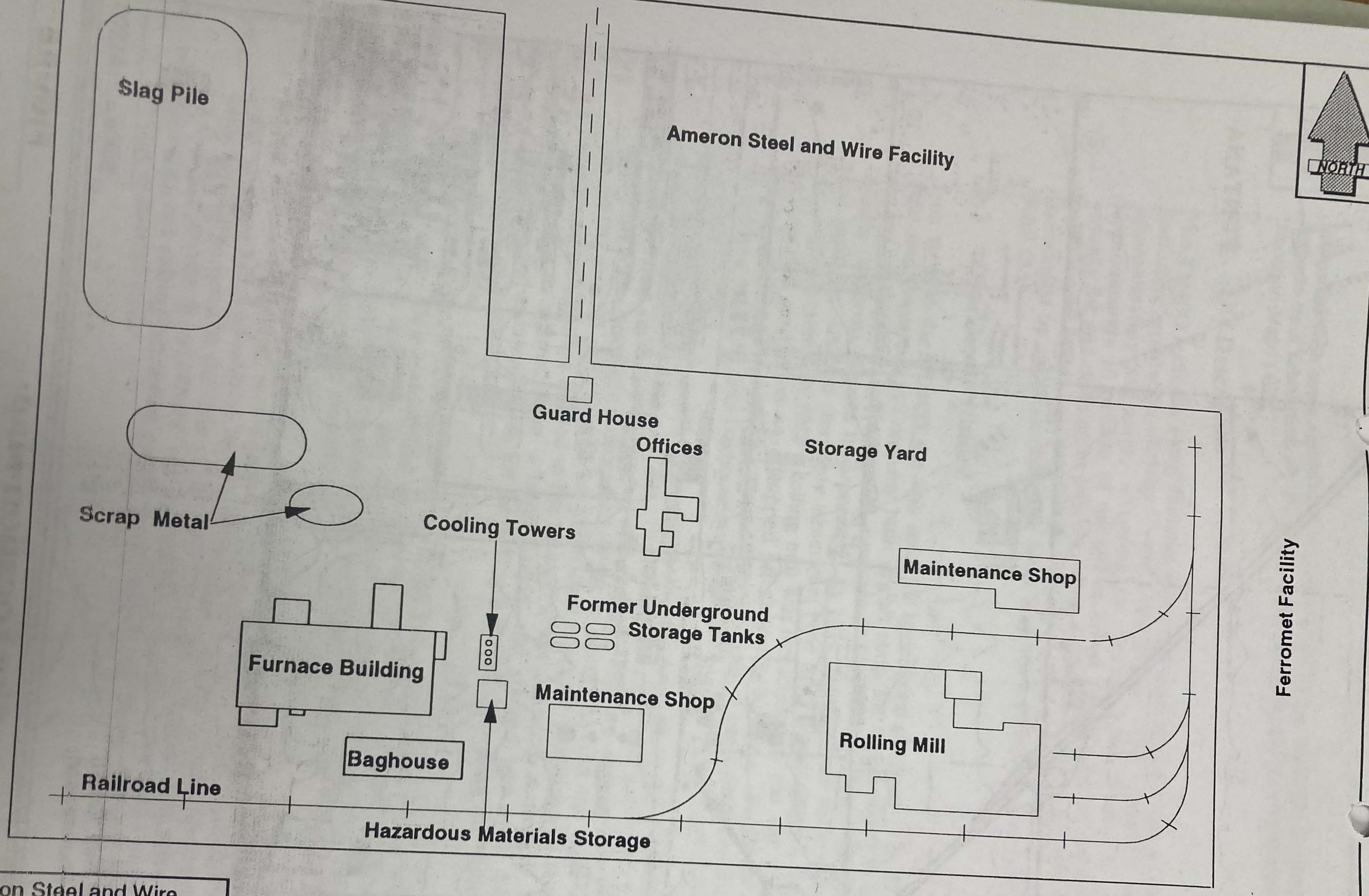
SYM	REVISIONS	DATE	BY	APPV

TAMCO

GENERAL PLANT
TAMCO FACILITY
PLANT LAYOUT

		DATE
DESIGNED		
DRAWN	WCF	7/98
CHECKED		
APPV'D		

4G2-6840-B



Source: Ameron Steel and Wire, 1955

Not to Scale

URS Consultants
100 California Street
San Francisco, CA 94111
November 16, 1993

Facility Map

TAMCO
12459 Arrow Highway
Rancho Cucamonga, California

FIGURE

2





Aerial Photograph Source: Google Earth.com



Map Source: Map Quest

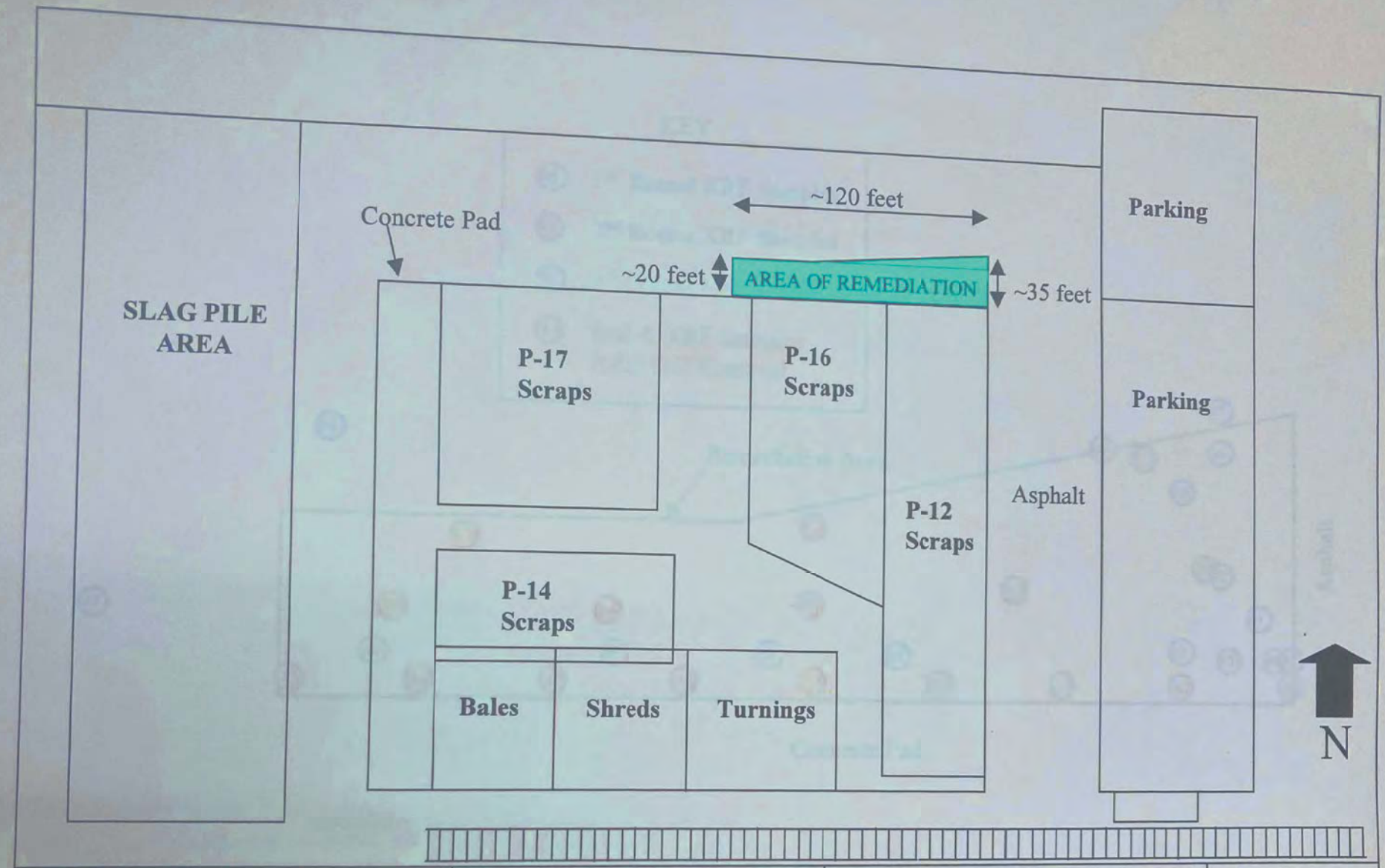
THE LEU GROUP
33725 MAGELLAN ISLE
MONARCH BEACH, CA 92629
PHONE: (949) 248-5873
FAX: (949) 248-8785

SITE LOCATION MAP

Figure: 1

TAMCO STEEL
12459 ARROW HIGHWAY
RANCHO CUCAMONGA, CA

Project: TAMCO TURNINGS





Map Source: Map Quest

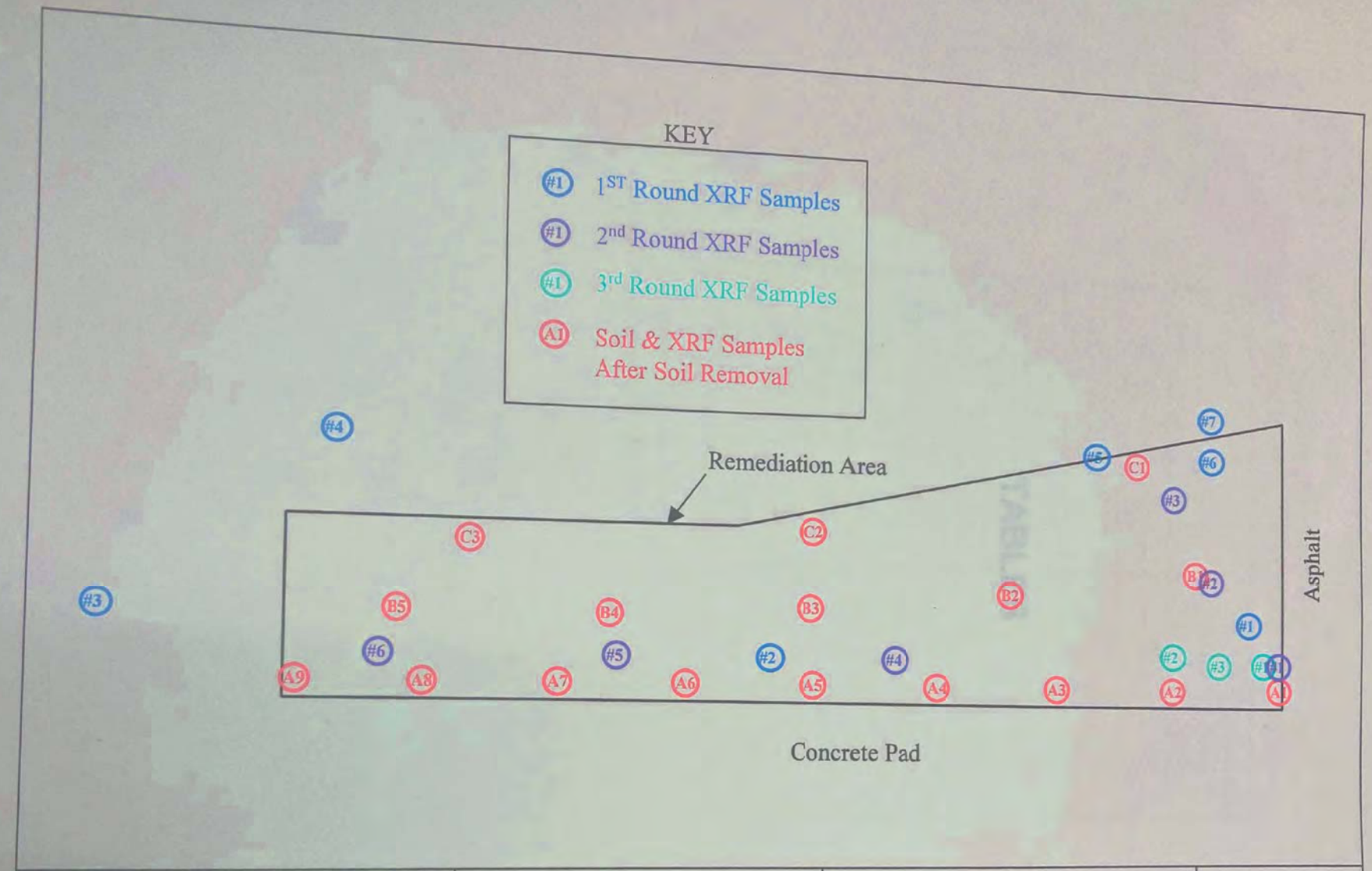
THE LEU GROUP
33725 MAGELLAN ISLE
MONARCH BEACH, CA 92629
PHONE: (949) 248-5873
FAX: (949) 248-8785

LOCATION OF REMEDIATION AREA

Figure: **2**

TAMCO STEEL
12459 ARROW HIGHWAY
RANCHO CUCAMONGA, CA

Project:
TAMCO
TURNINGS





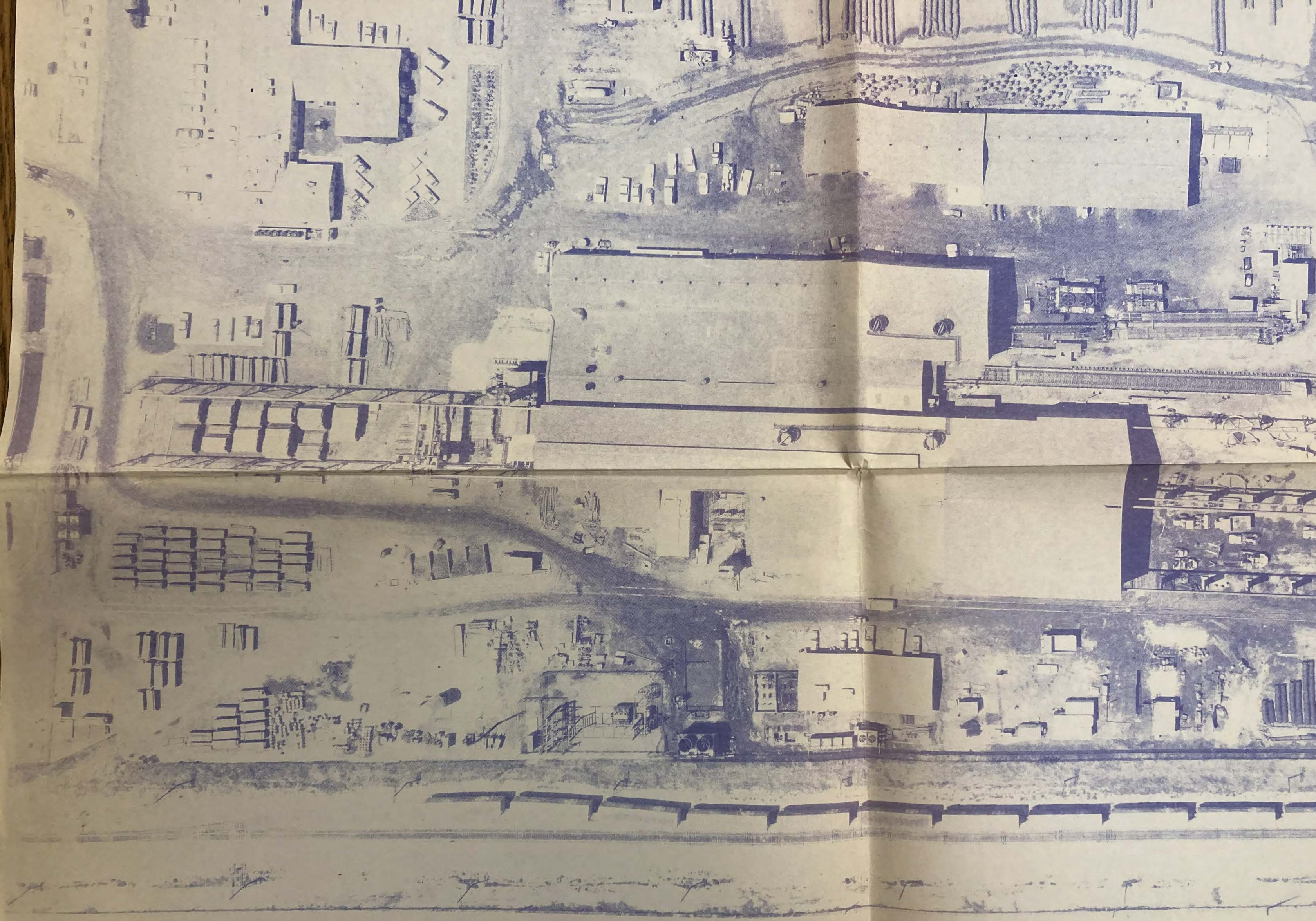
THE LEU GROUP
33725 MAGELLAN ISLE
MONARCH BEACH, CA 92629
PHONE: (949) 248-5873
FAX: (949) 248-8785

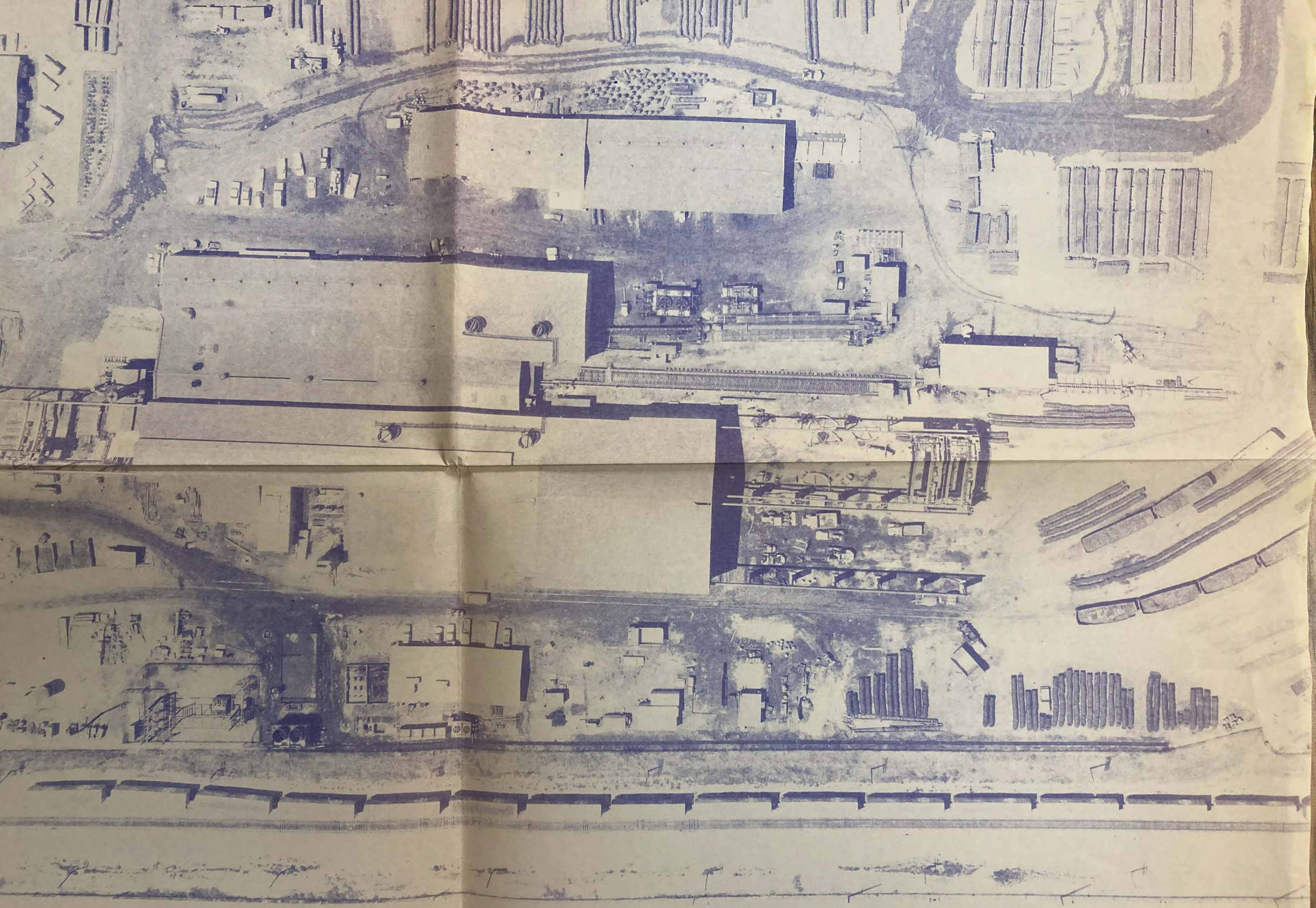
XRF AND SOIL SAMPLING LOCATIONS

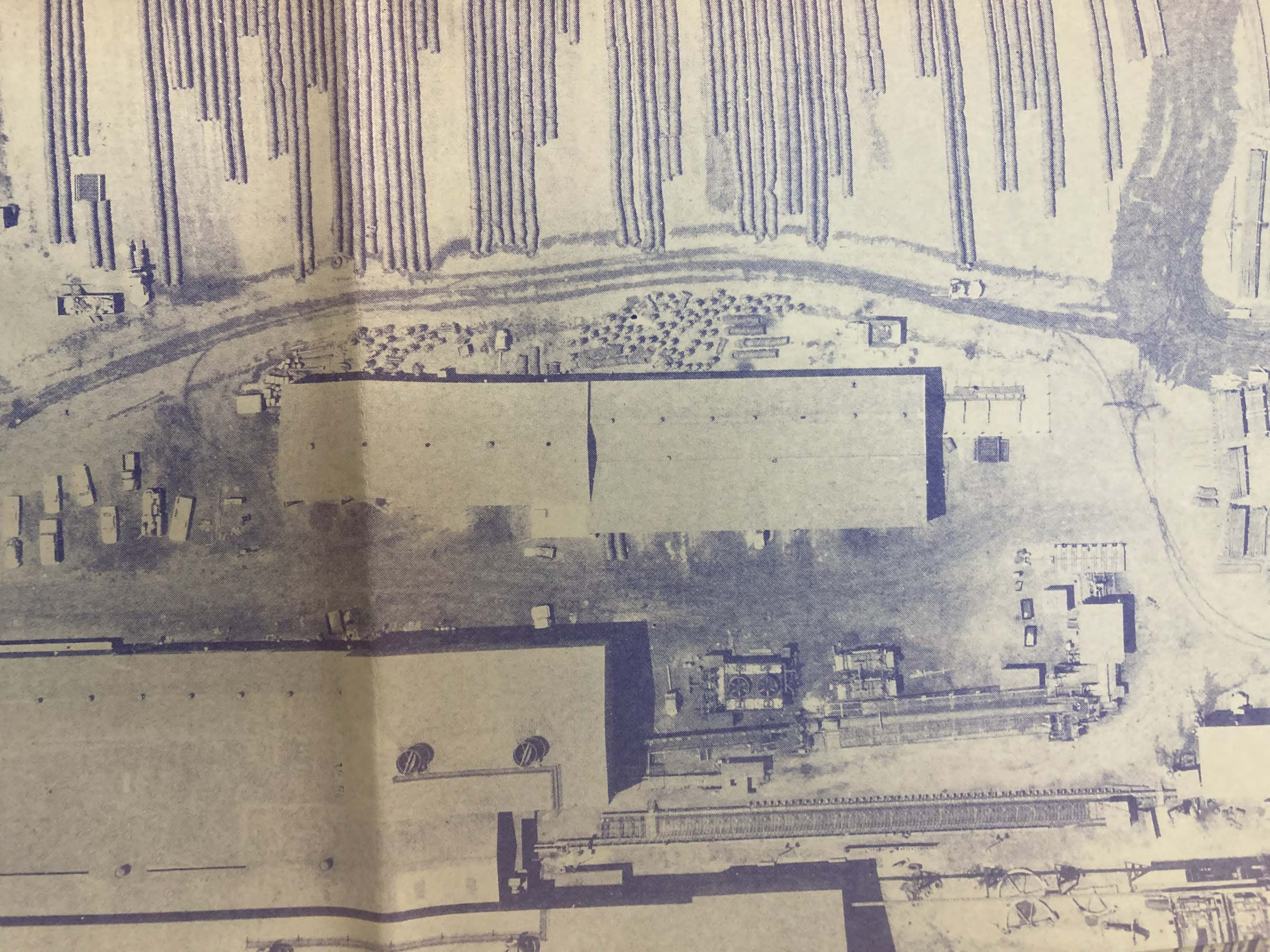
Figure: 3

TAMCO STEEL
12459 ARROW HIGHWAY
RANCHO CUCAMONGA, CA

Project: TAMCO TURNINGS



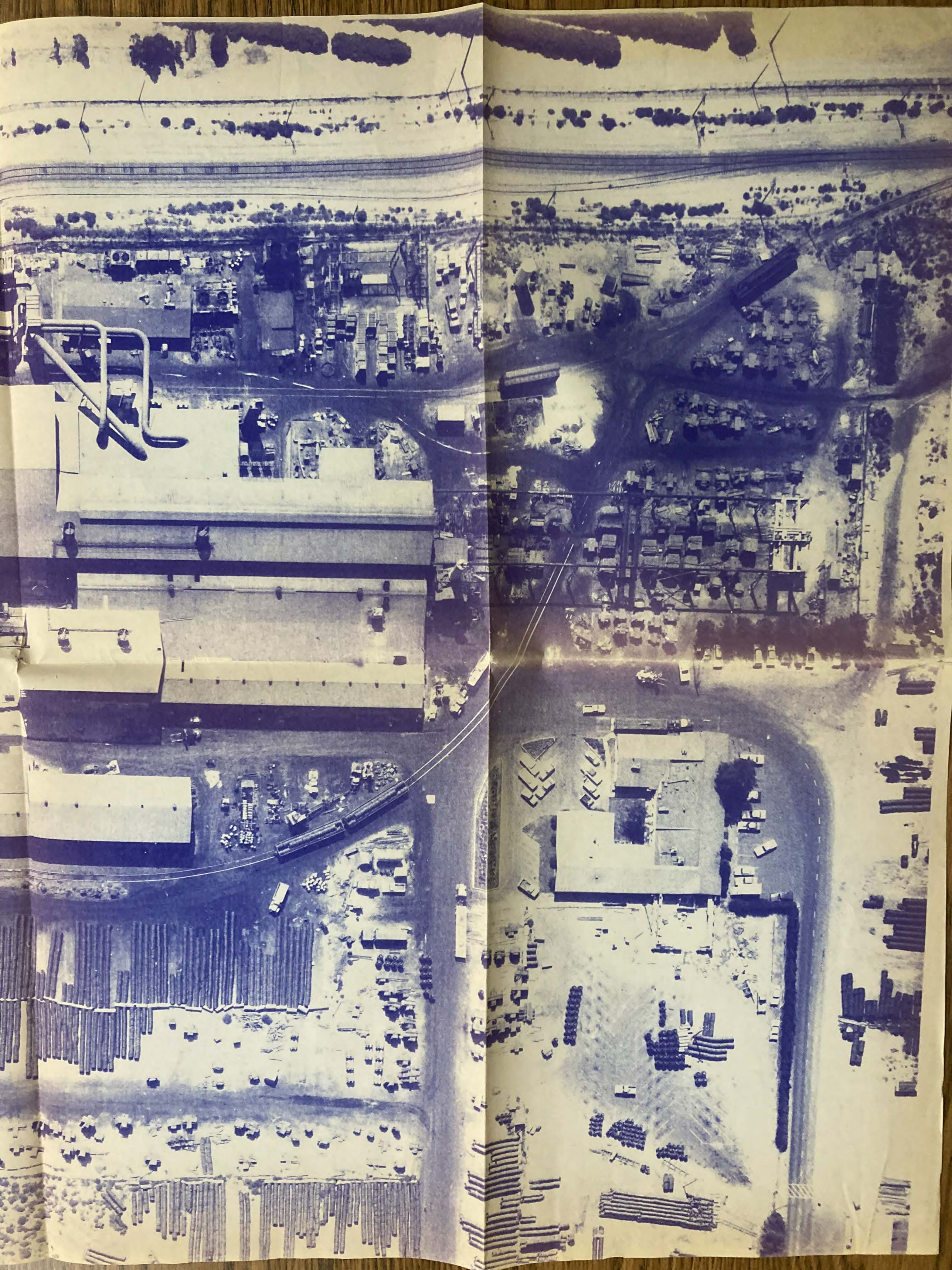












462

/ PROPERTY
ACRES

FONTANA STEEL FACILITY
PARCEL #1 (14.339 ACRES)

FLAG	ITEM NO.	QUANTITY THIS DWG.	DESCRIPTION	MATERIAL SPECIFICATION

FENCED CONTAMINATED SLAG PILE

STORED JUNK

WORKING SLAG PILE

SLAB #5 (150 x 450')

SCRAP SLAB #3

SLAB #4 (140'x 300')

SCRAP SLAB #2

TOTAL SLAB AREA= 5.4/2 ACRES (247,500 SQ.FT.)

MAINTENANCE STORAGE YARD

MELT SHOP BURNING AREA

PARKING LOT

ELY PROPANE SYSTEM

SCALE HOUSE

LOCKER ROOM

BILLET COOLING BED

MELT SHOP AREA

IWP WIRE MILL

LEASED PROPERTY
PARCEL (27.37 ACRES)

MAIN OFFICE

PROJECT SHOP

ITAM REHEAT FURNACE

WAREHOUSE

ROLL SHOP

ROLL MILL

MAINTENANCE

WAREHOUSE

MOBILE MAINTENANCE

COOLING BED

NKK BUNDLING SYSTEM

AMERON

FERROMET

DRAWING NO.	COMPANY	TITLE
REFERENCES		

SYM	REVISIONS	DATE	BY	APPV

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TOLERANCES

DWG. SCALE 1=1000

TAMCO RANCHO CUCAMONGA, CALIFORNIA 91730

GENERAL PLANT
TAMCO FACILITY
PLANT LAYOUT

DESIGNED		DATE
DRAWN	WCF	7/98
CHECKED		
APPV'D		

4G2-6840-B

REV

LEASED PROPERTY
PARCEL (27.37 ACRES)

MAIN OFFICE

PROJECT SHOP

WAREHOUSE

ROLL SHOP

ROLL MILL

MAINTENANCE

WAREHOUSE

ITAM
REHEAT
FURNACE

MOBILE
MAINTENANCE

COOLING BED

NKK
BUNDLING
SYSTEM

AMERON

FERROMET

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TAMCO Steel

RANCHO CUCAMONGA,
CALIFORNIA 91739

GENERAL PLANT
TAMCO FACILITY
PLANT LAYOUT

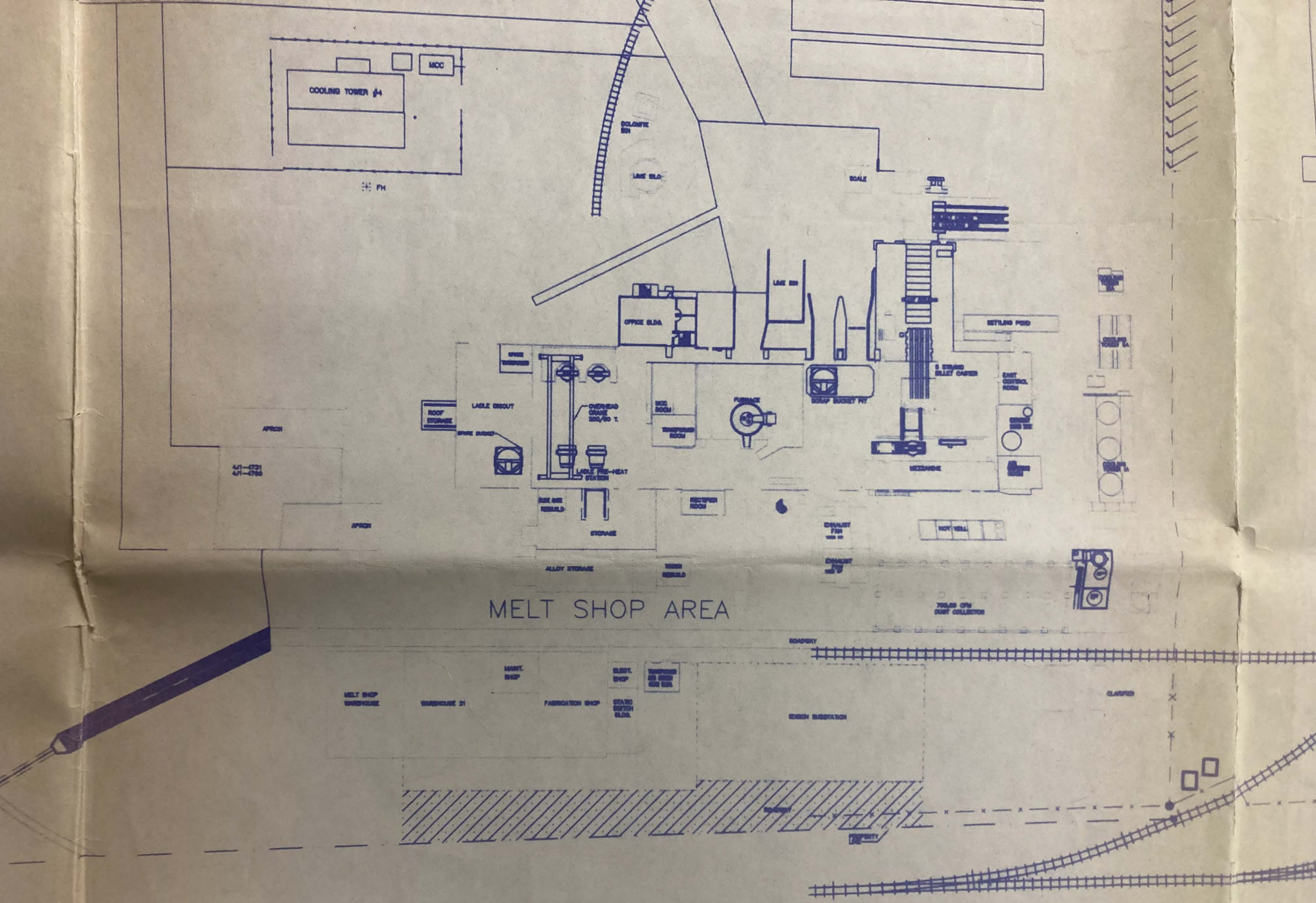
TOLERANCES

FRACT.	.X	.XX	.XXX	ANGLE

DESIGNED | DATE

REV

MELT SHOP AREA



FONTANA STEEL FACILITY
PARCEL #1 (14.339 ACRES)

OPERTY
ES

FENCED CONTAMINATED SLAG PILE

STORED JUNK

WORKING SLAG PILE

SLAB #5 (150 x 450')

SCRAP SLAB #3

SLAB #4 (140'x 300')

SCRAP SLAB #2

MAINTENANCE STORAGE YARD

MELT SHOP BURNING AREA

PARKING LOT

PRIVATE ROAD TO & FROM ARROW HWY.

ELY PROPANE SYSTEM

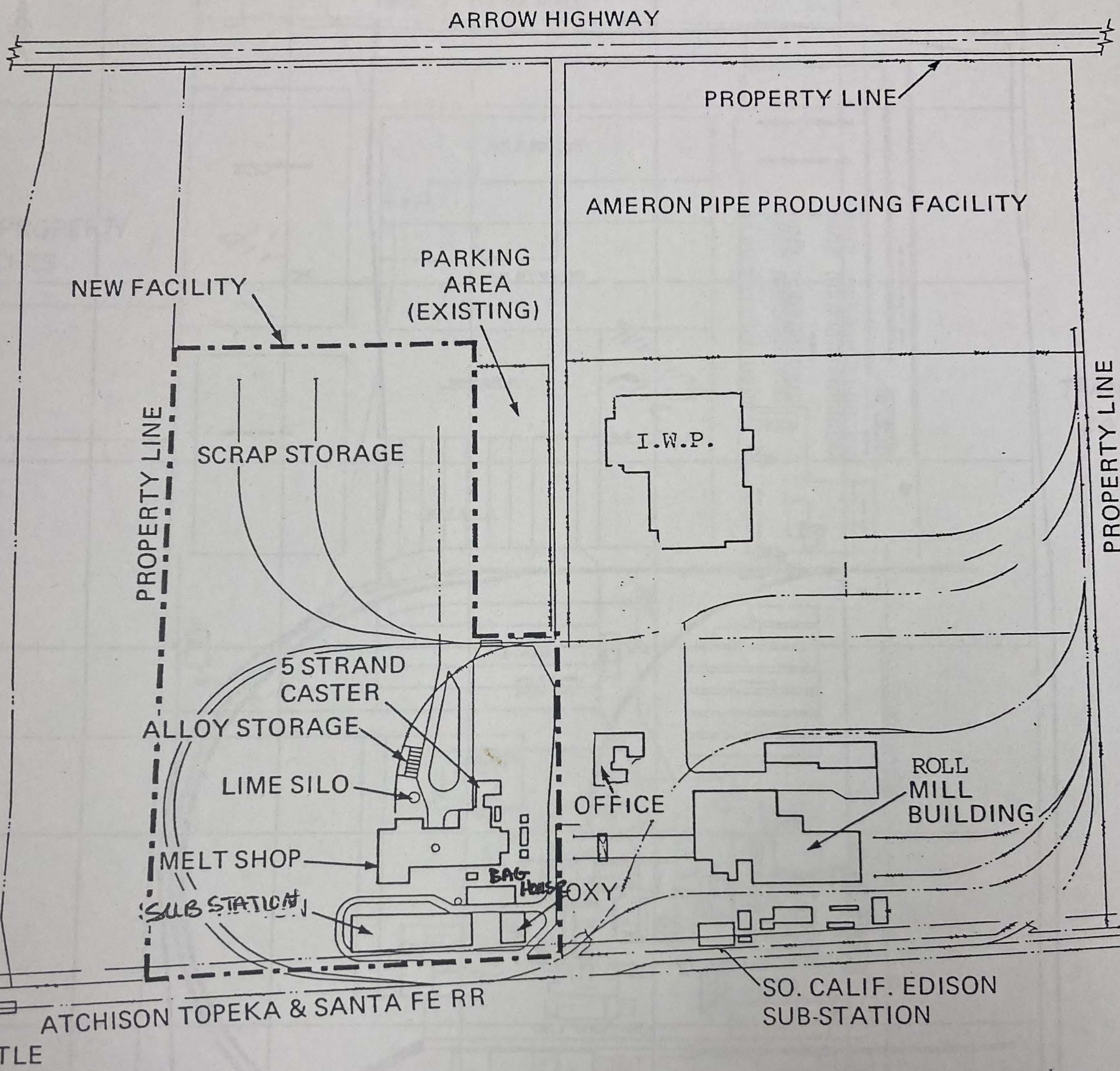
SCALE HOUSE

LOCKER ROOM

SCRAP YARD SLAB #1

BILLET COOLING BED

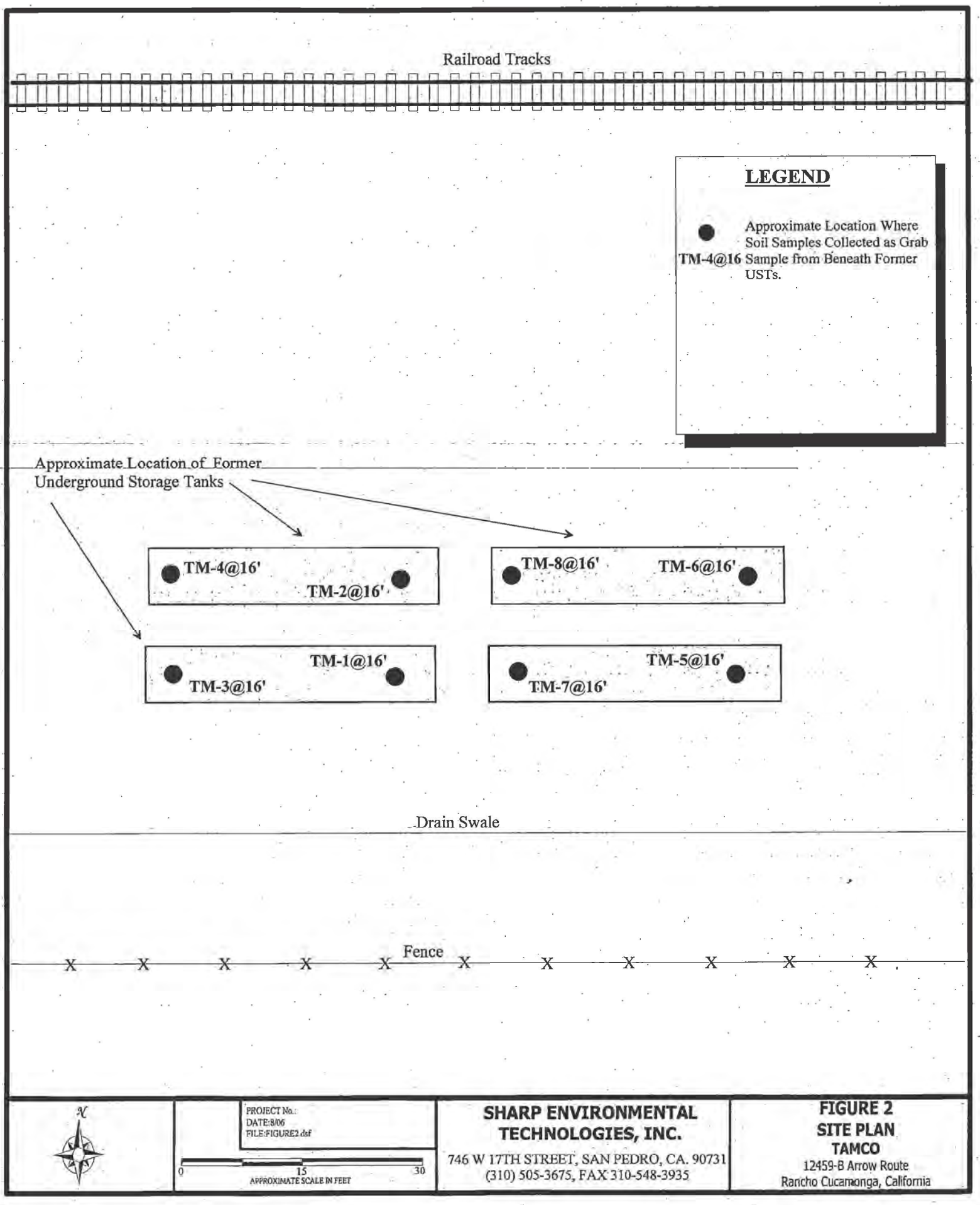
Welcome to TAMCO



Plant Tour



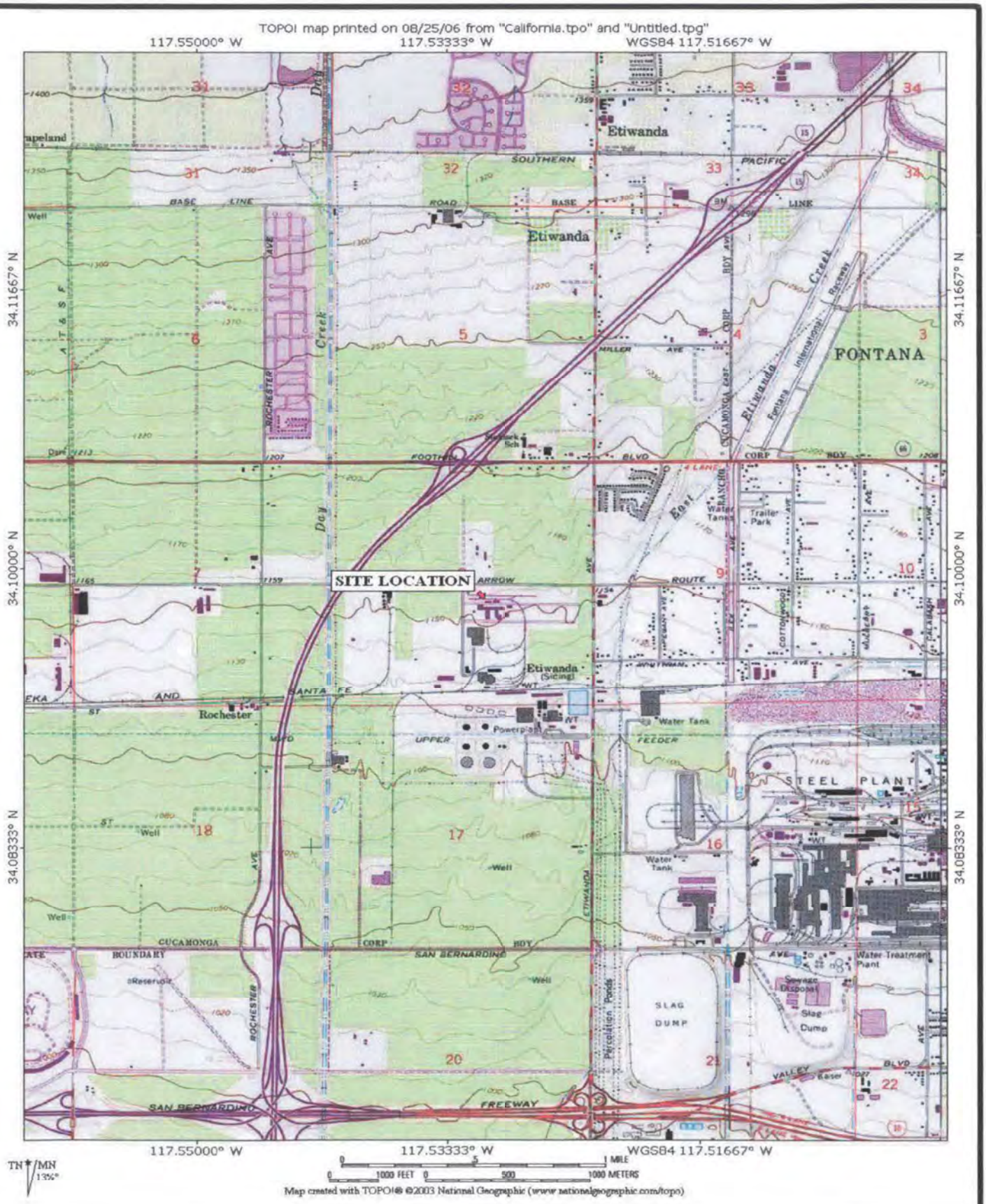
Reference: National Geographic Topo!	**SHARP ENVIRONMENTAL TECHNOLOGIES, INC.** 746 W 17TH STREET SAN PEDRO, CA. 90731 (310) 505-3675	**FIGURE 1** **SITE VICINITY MAP** TAMCO 12459-B Arrow Route Rancho Cucamonga, California



SHARP ENVIRONMENTAL TECHNOLOGIES, INC.

746 W 17TH STREET, SAN PEDRO, CA. 90731
(310) 505-3675, FAX 310-548-3935

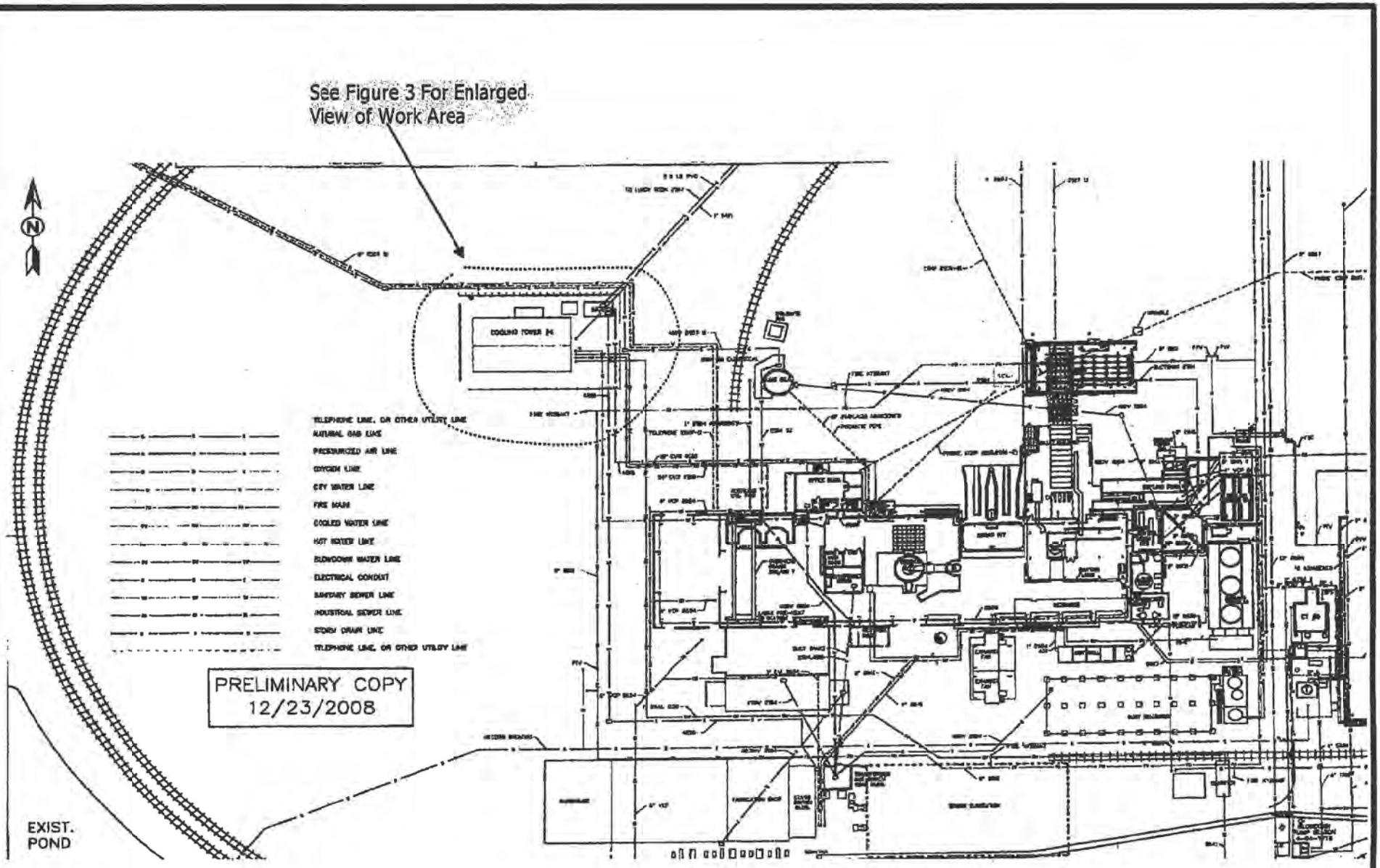
FIGURE 2
SITE PLAN
TAMCO
12459-B Arrow Route
Rancho Cucamonga, California



Reference: National Geographic Topo!
Guasti, CA 1978, revised 1981

SHARP ENVIRONMENTAL TECHNOLOGIES, INC.
746 W 17TH STREET
SAN PEDRO, CA. 90731
(310) 505-3675

FIGURE 1
Site Vicinity Map
TAMCO
12459 Arrow Route B
Rancho Cucamonga, California



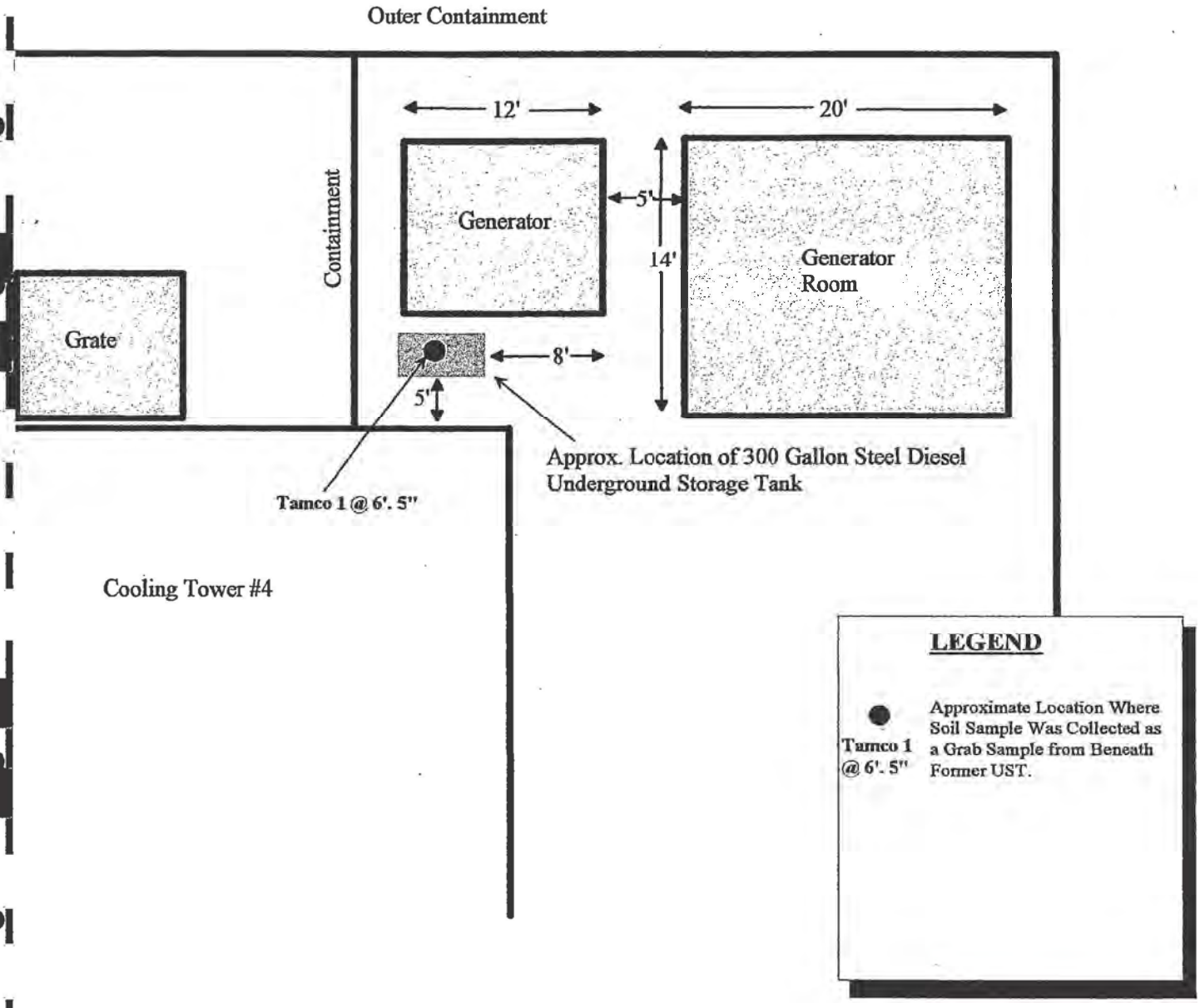
No Scale

N

SHARP ENVIRONMENTAL TECHNOLOGIES, INC.

746 W 17TH STREET, SAN PEDRO, CA. 90731
(310) 505-3675, FAX 310-548-3935

FIGURE 2
General Site Plan
TAMCO
12459 Arrow Route B
Rancho Cucamonga, California 91739



N

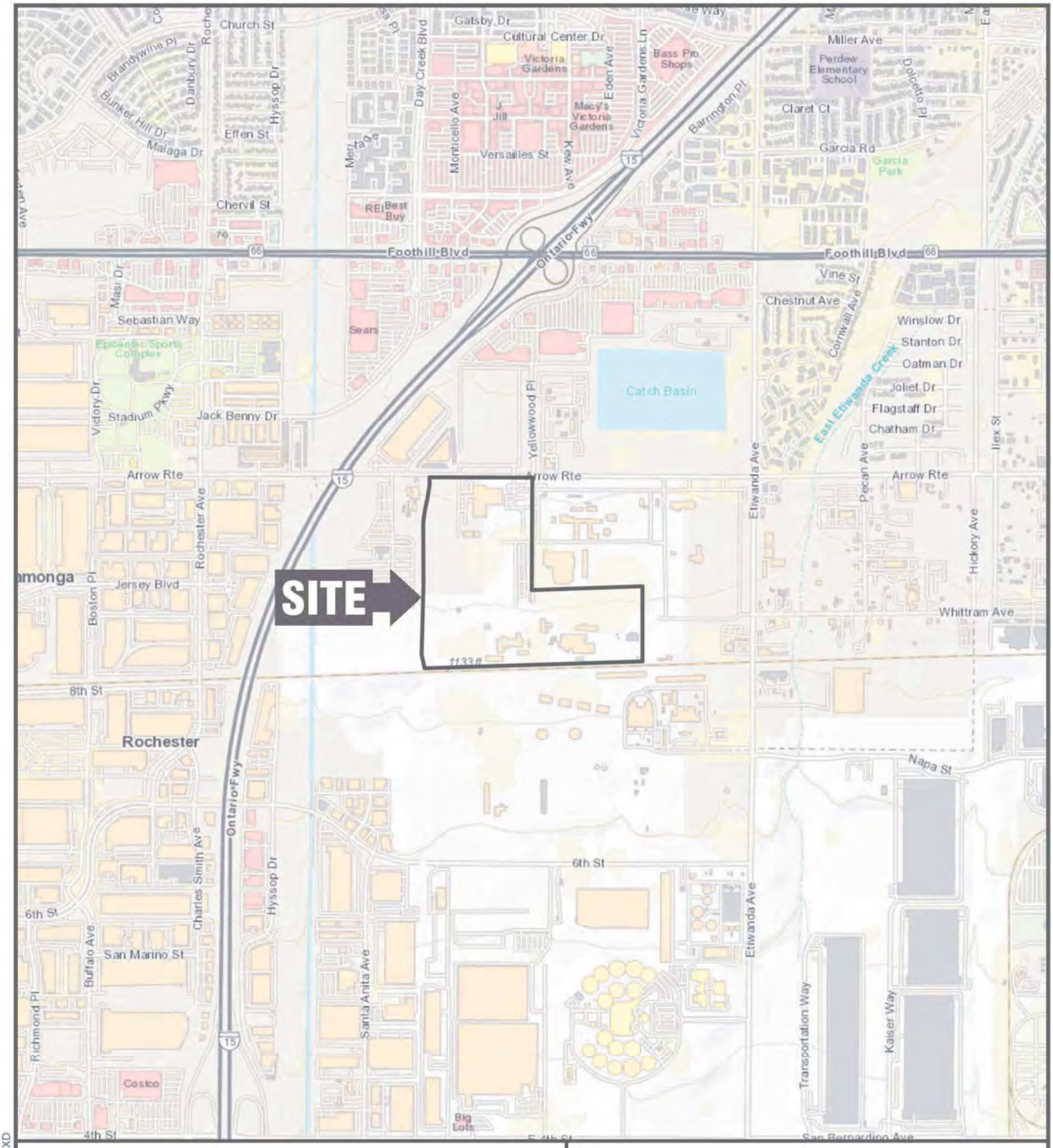
PROJECT No.:
DATE:12/2010
FILE:FIGURE2.dsf

0 15 30
APPROXIMATE SCALE IN FEET

SHARP ENVIRONMENTAL TECHNOLOGIES, INC.

746 W 17TH STREET, SAN PEDRO, CA. 90731
(310) 505-3675, FAX 310-548-3935

FIGURE 3
Site Plan
TAMCO
12459 Arrow Route B
Rancho Cucamonga, California 91739



S:\GIS\PROJECTS\3200\0007L\100\3200.0007L100.0.MXD

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

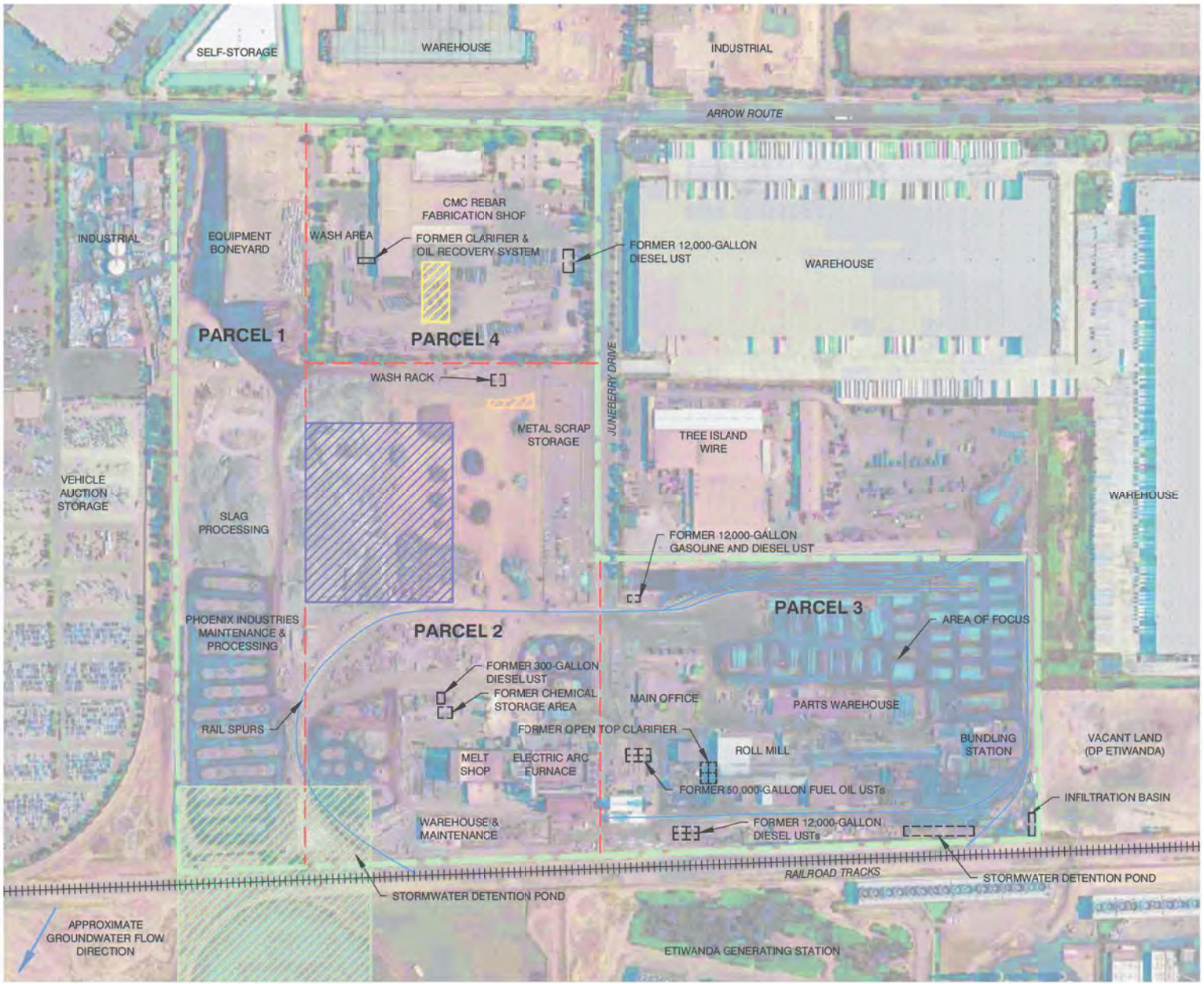
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: M.J.N.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

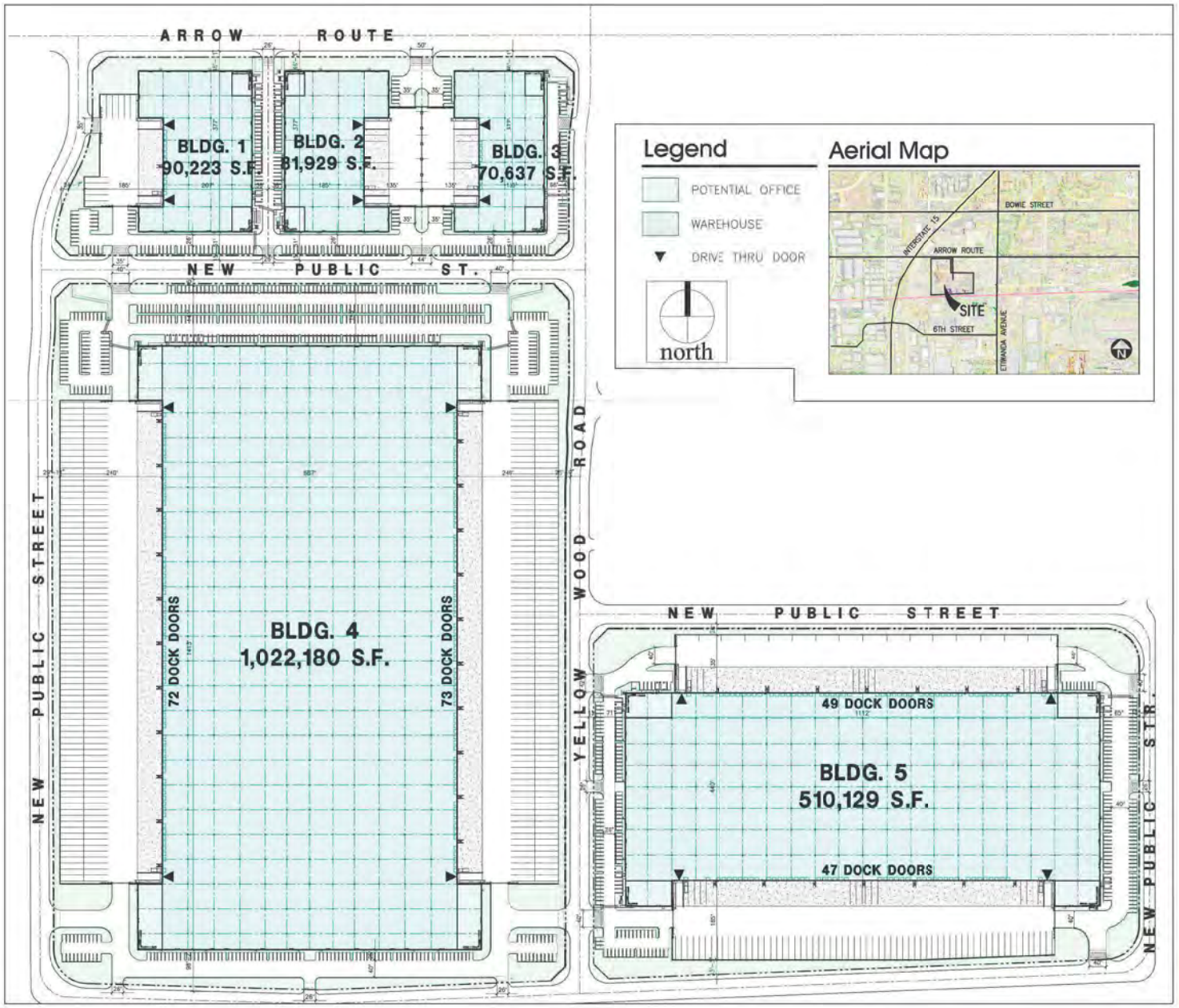
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 11 AUGUST 2011
Prepared by: M.B.	Scale: AS SHOWN
Project Mgr: P.S.	Project: 3200.0007L
File: 053_3200.0007L_SITE PLAN.DWG	

FIGURE 2

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\053_3200.0007L_SITE PLAN.DWG



NOTES

1. DRAWING ADAPTED FROM CONCEPTUAL SITE PLAN SCHEME 40, BY HPA ARCHITECTURE, DATED JUNE 9, 2023.

Title:

PROPOSED DEVELOPMENT PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

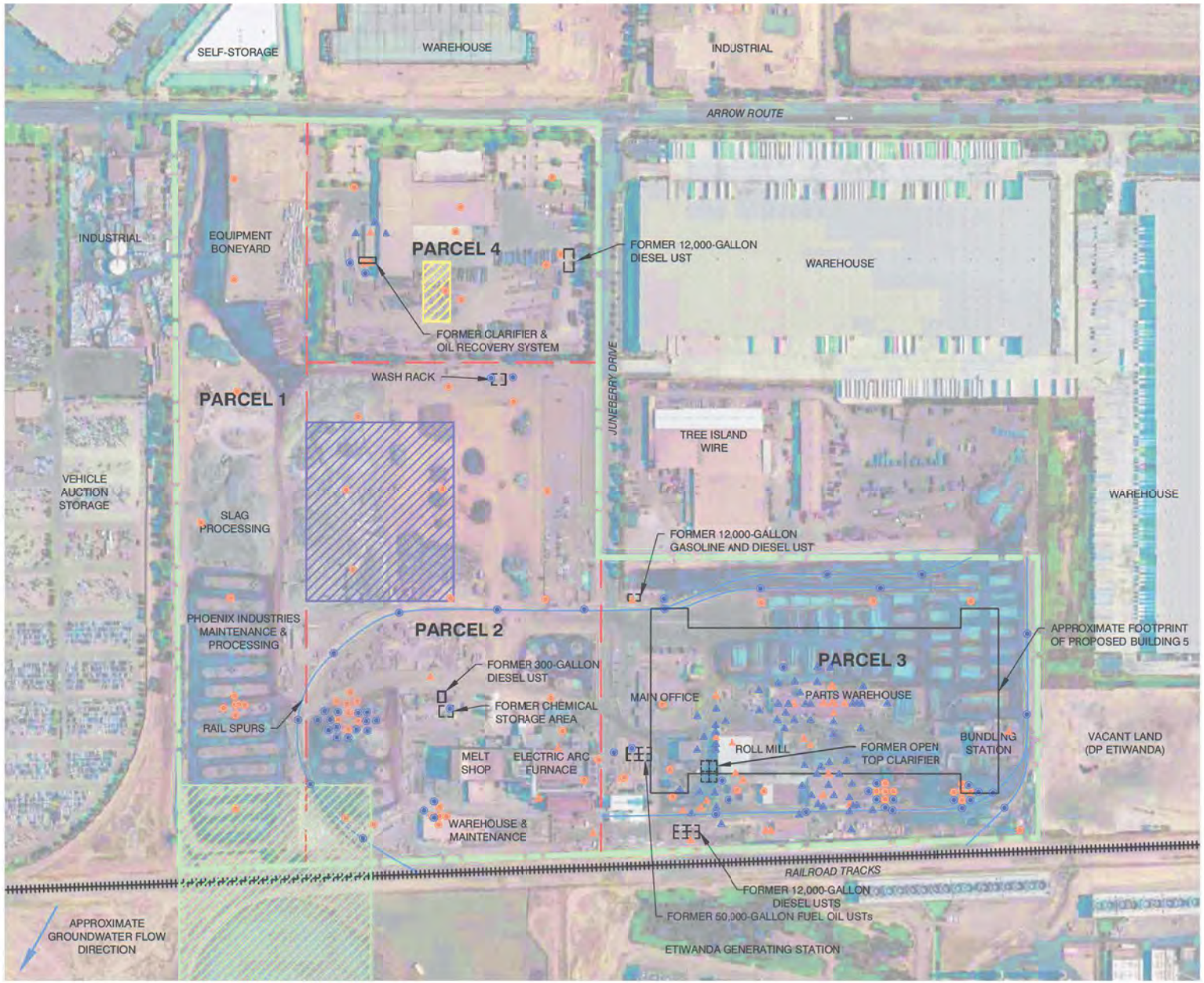
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUG 2023
Prepared by: A.P.	Scale: N.T.S.
Project Mgr: P.S.	Project: 3200.0007L
File: I:\3200.0007L_PROPOSED DEVELOPMENT PLAN.DWG	

FIGURE 3

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\051_3200.0007L_PROPOSED DEVELOPMENT PLAN.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL BORING LOCATION
- ROUX BORING LOCATION
- RAMROLL SOIL VAPOR BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SAMPLE LOCATIONS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

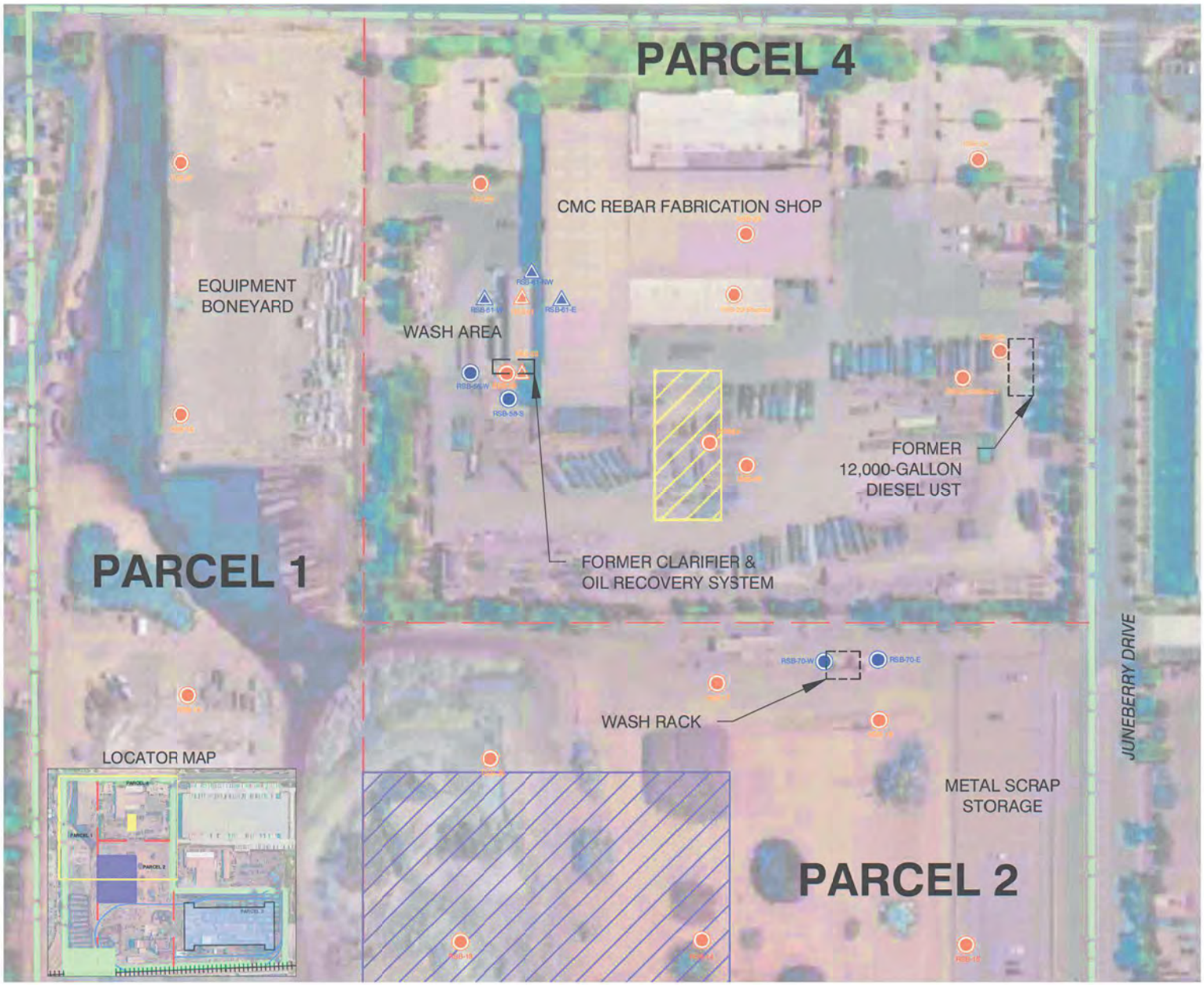
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 7 SEPT 2023
Prepared by: T.C.	Scale: AS SHOWN
Project Mgr: M.J.N.	Project: 3200.0007L
File: 068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG	

FIGURE 4

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

N

120' 0 120'

Title:

SAMPLE LOCATIONS
NORTHWEST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

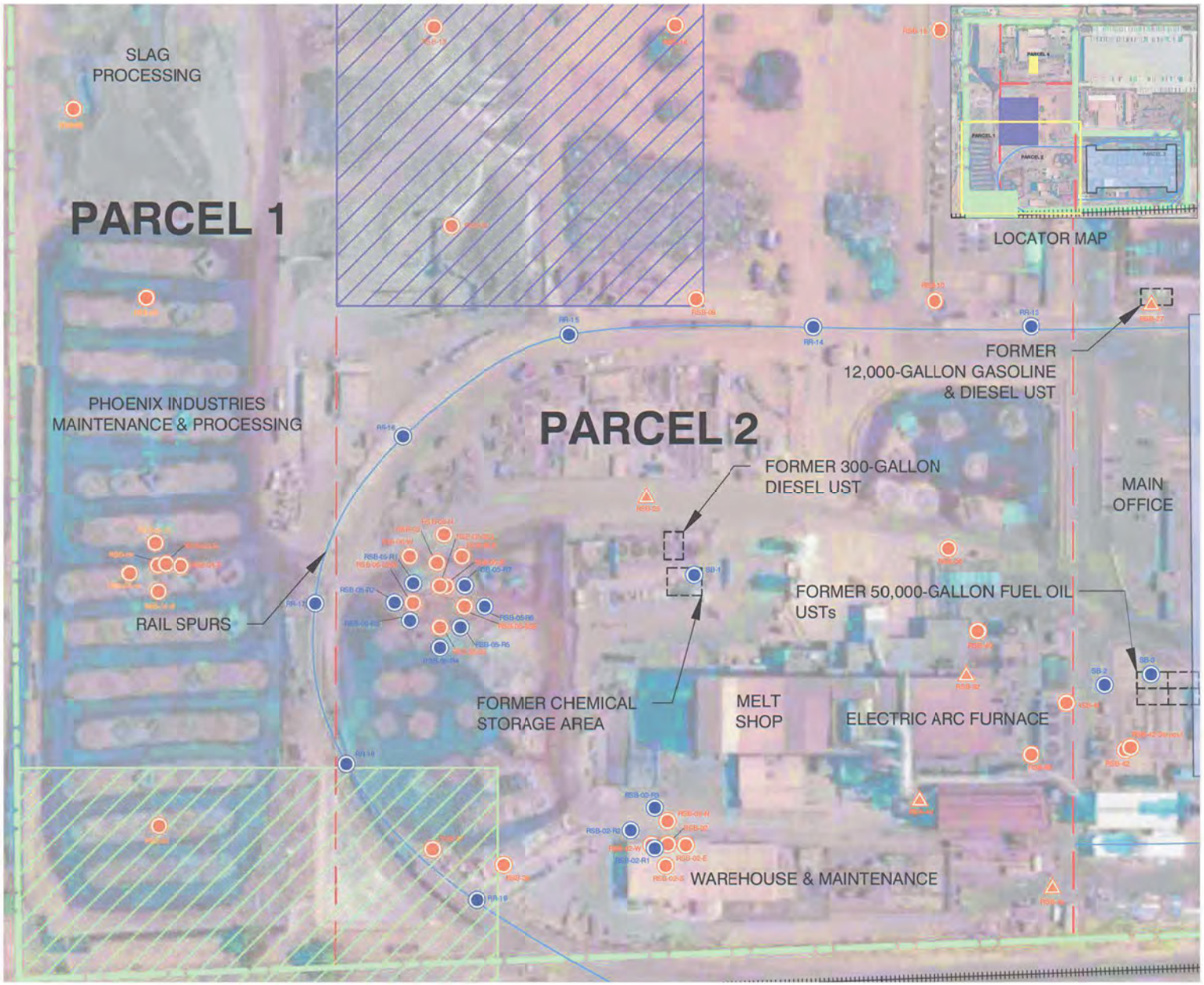
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 2 MARCH 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	5
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 07I_3200.0007L_NORTH PARCELS 1 AND 2 SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\07I_3200.0007L_NORTH PARCELS 1 AND 2 SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

N

120' 0 120'

Title:

SAMPLE LOCATIONS
SOUTHWEST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

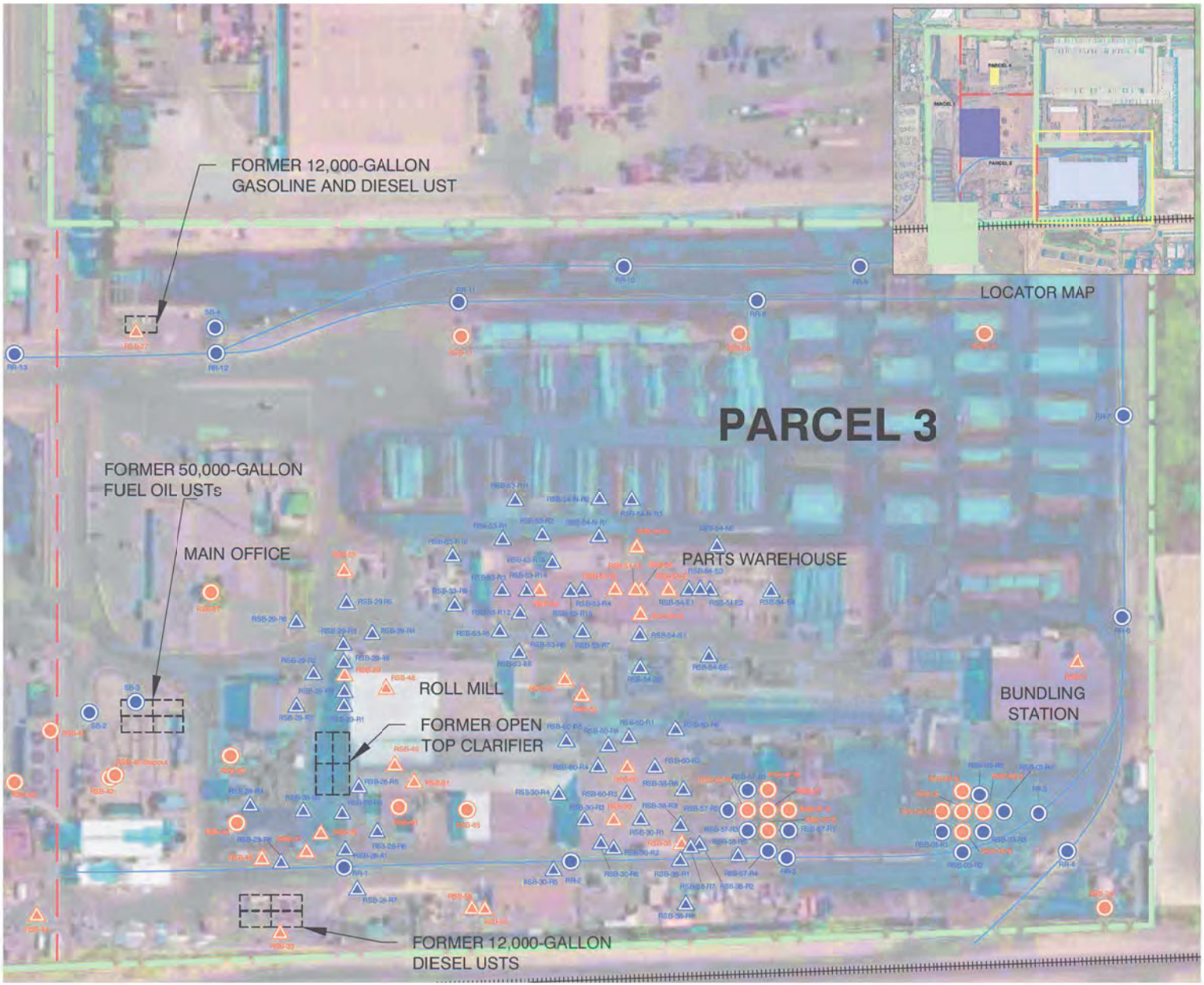
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 10 AUGUST 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	6
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 070_3200.0007L_SW SECTION OF SITE SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\070_3200.0007L_SW SECTION OF SITE SAMPLING LOCATIONS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL SOIL BORING LOCATION
- RAMBOLL SOIL VAPOR BORING LOCATION
- ROUX SOIL BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- RAIL SPURS

N

120' 0 120'

Title:

SAMPLE LOCATIONS
SOUTHEAST PORTION OF SITE

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

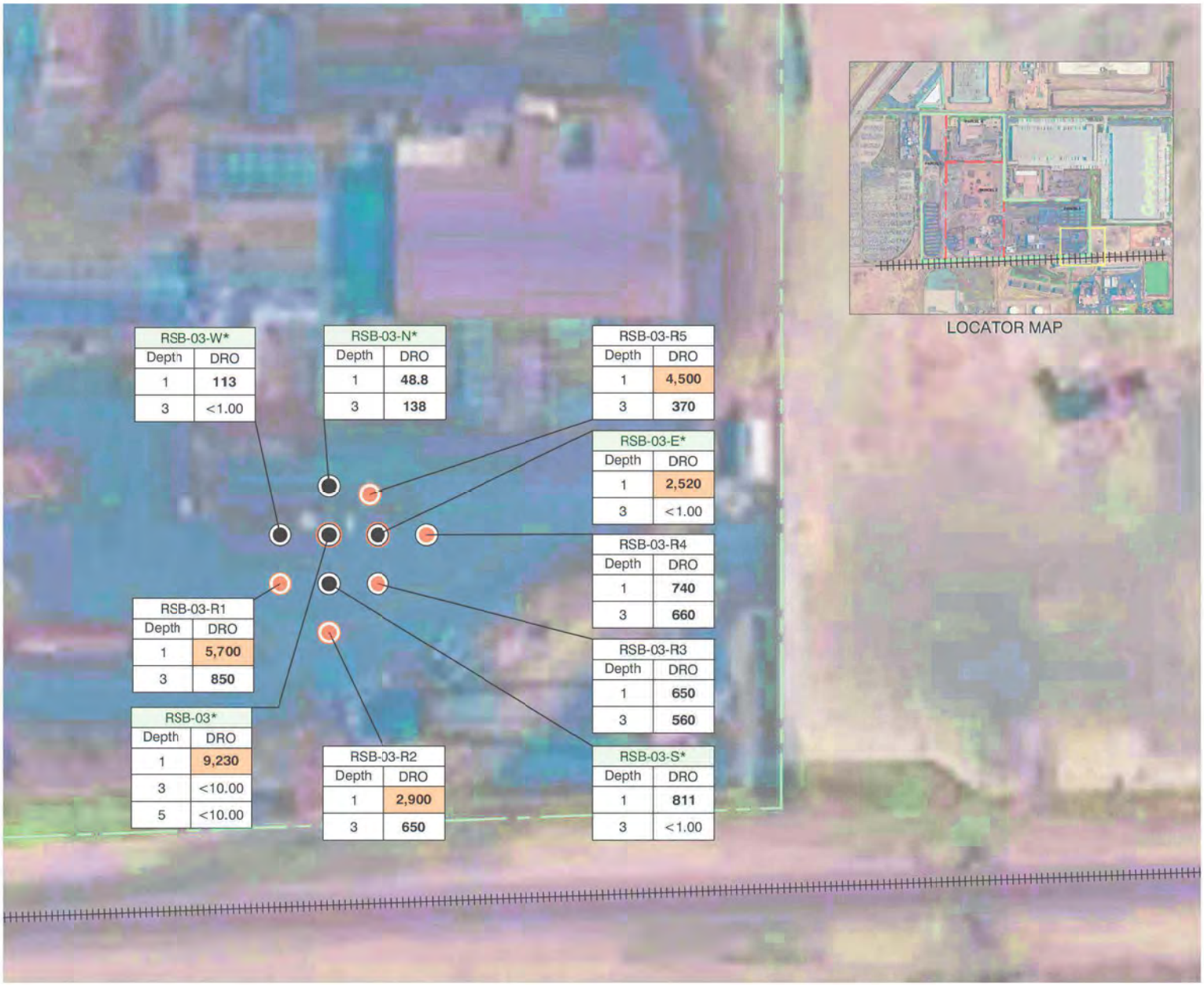
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 7 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	7
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 069_3200.0007L_SE SECTION OF SITE SAMPLING LOCATIONS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\069_3200.0007L_SE SECTION OF SITE SAMPLING LOCATIONS.DWG



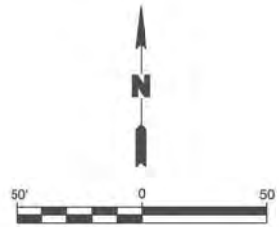
LOCATOR MAP

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- BORING LOCATION (RAMBOLL 2020/2021)
- SHALLOW SOIL BORING (ROUX 2021)
- DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- DRO EXCEEDANCE IN SOIL (ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. GRO = TOTAL PETROLEUM HYDROCARBONS IN THE GASOLINE RANGE
3. TPH = TOTAL PETROLEUM HYDROCARBONS
4. TPH MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
5. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED THE SCREENING LEVELS
6. SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (SFBRWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE (2019) FOR DRO IS 1,200 MG/KG
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LEVEL
8. NA = NOT ANALYZED
9. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
10. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021



Title:

SOUTHERN PORTION OF PARCEL 3 - DRO IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

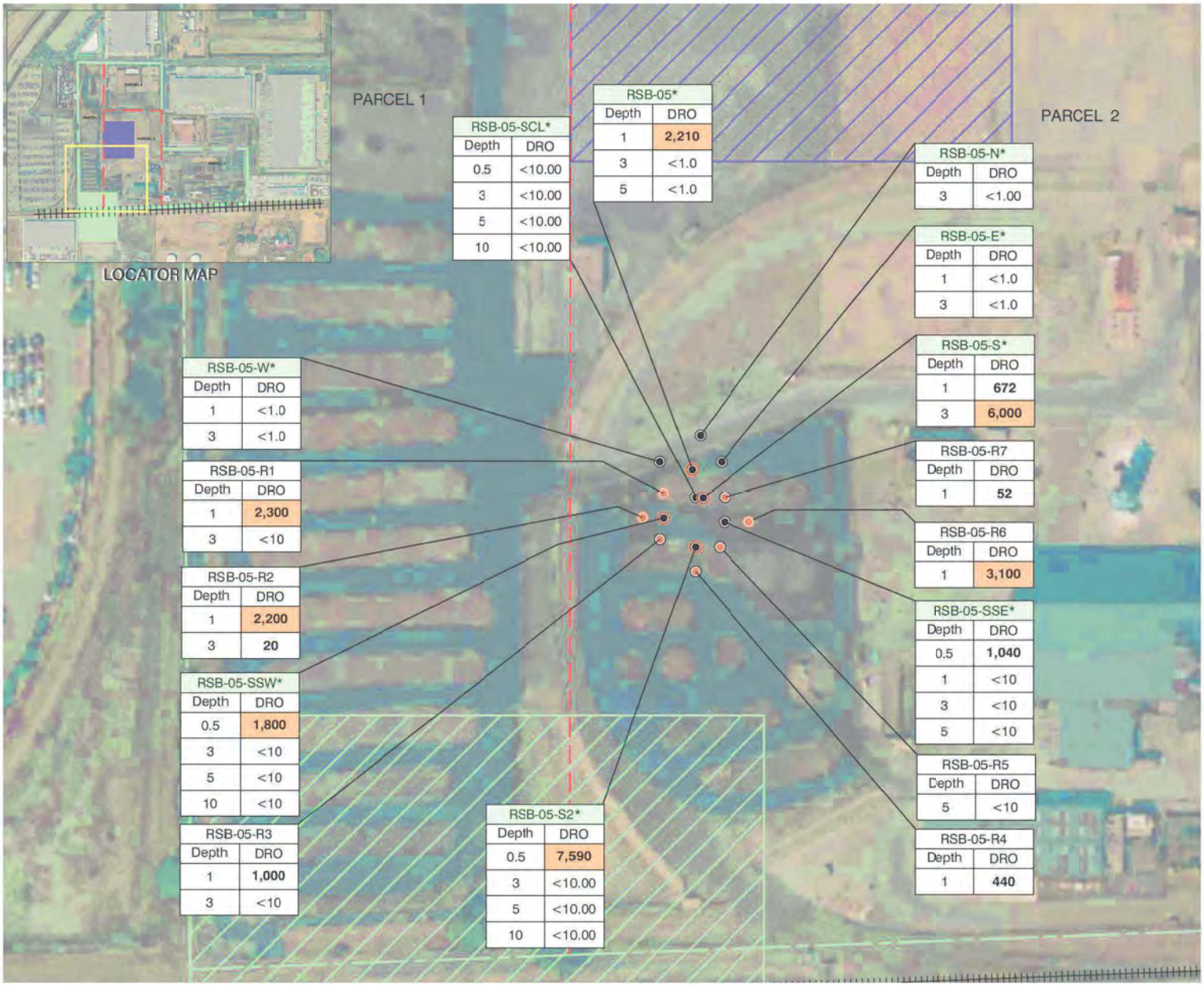
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.MOK	Date: 7 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	8
Project Mgr: P.S.	Project: 3200.0007L	
File:		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\013_3200.0007L_SOUTHERN PORTION OF PARCEL 3 SOIL BORINGS WITH DRO.DWG



RSB-05-SCL*	
Depth	DRO
0.5	<10.00
3	<10.00
5	<10.00
10	<10.00

RSB-05*	
Depth	DRO
1	2,210
3	<1.0
5	<1.0

RSB-05-N*	
Depth	DRO
3	<1.00

RSB-05-E*	
Depth	DRO
1	<1.0
3	<1.0

RSB-05-S*	
Depth	DRO
1	672
3	6,000

RSB-05-R7	
Depth	DRO
1	52

RSB-05-R6	
Depth	DRO
1	3,100

RSB-05-SSE*	
Depth	DRO
0.5	1,040
1	<10
3	<10
5	<10

RSB-05-R5	
Depth	DRO
5	<10

RSB-05-R4	
Depth	DRO
1	440

RSB-05-W*	
Depth	DRO
1	<1.0
3	<1.0

RSB-05-R1	
Depth	DRO
1	2,300
3	<10

RSB-05-R2	
Depth	DRO
1	2,200
3	20

RSB-05-SSW*	
Depth	DRO
0.5	1,800
3	<10
5	<10
10	<10

RSB-05-R3	
Depth	DRO
1	1,000
3	<10

RSB-05-S2*	
Depth	DRO
0.5	7,590
3	<10.00
5	<10.00
10	<10.00

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- BORING LOCATION (RAMBOLL 2020/2021)
- SHALLOW SOIL BORING (ROUX 2021)
- DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- DRO EXCEEDANCE IN SOIL (ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
3. TPH = TOTAL PETROLEUM HYDROCARBONS
4. TPH MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
5. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED THE SCREENING LEVEL
6. SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (SFBRWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE (2019) FOR DRO IS 1,200 MG/KG
7. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LEVEL
8. NA = NOT ANALYZED
9. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
10. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

100' 0 100'

Title:

PARCEL 2 - DRO IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

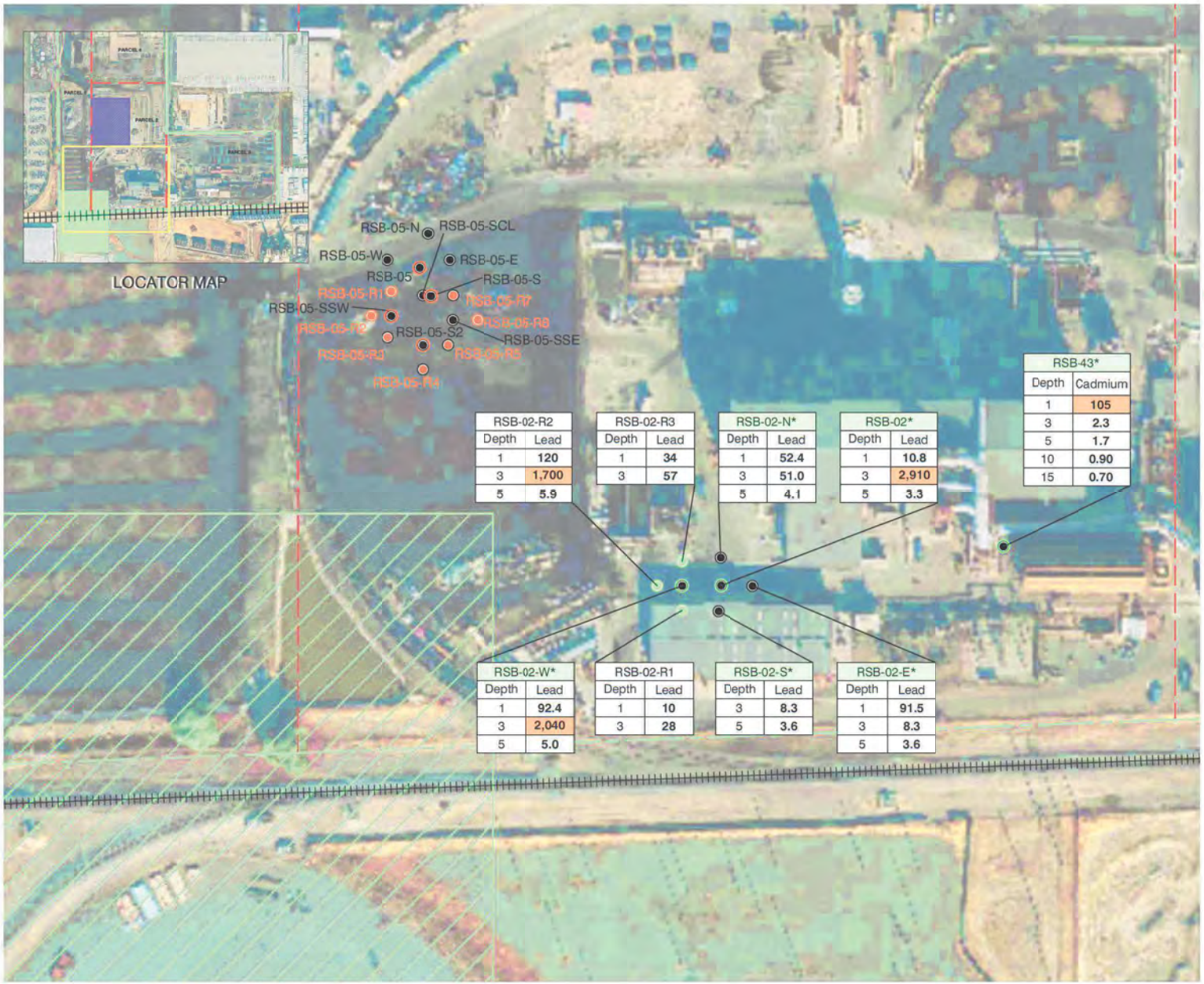
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 7 SEPT 2023
Prepared by: T.C.	Scale: AS SHOWN
Project Mgr: P.S.	Project: 3200.0007L
File: 014_3200.0007L_PARCEL 2 TPH DATA.DWG	

FIGURE 9

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\014_3200.0007L_PARCEL 2 TPH DATA.DWG



RSB-02-R2	
Depth	Lead
1	120
3	1,700
5	5.9

RSB-02-R3	
Depth	Lead
1	34
3	57

RSB-02-N*	
Depth	Lead
1	52.4
3	51.0
5	4.1

RSB-02*	
Depth	Lead
1	10.8
3	2,910
5	3.3

RSB-43*	
Depth	Cadmium
1	105
3	2.3
5	1.7
10	0.90
15	0.70

RSB-02-W*	
Depth	Lead
1	92.4
3	2,040
5	5.0

RSB-02-R1	
Depth	Lead
1	10
3	28

RSB-02-S*	
Depth	Lead
3	8.3
5	3.6

RSB-02-E*	
Depth	Lead
1	91.5
3	8.3
5	3.6

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RSB-09 — BORING LOCATION (RAMBOLL 2020/2021)
- SHALLOW SOIL BORING - LEAD ANALYSIS (ROUX 2021)
- RSB-02 — LEAD OR CADMIUM EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- RSB-05-N — BORING LOCATION (RAMBOLL 2020/2021)
- RSB-05-R3 — SHALLOW SOIL BORING (ROUX 2021)
- RSB-05 — TPH-d EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- RSB-05-R1 — TPH-d EXCEEDANCE IN SOIL (ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. LEAD AND CADMIUM MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
3. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 500 MG/KG, FOR CADMIUM IS 79 MG/KG
5. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 800 MG/KG, FOR CADMIUM IS 100 MG/KG
3. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
4. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

100' 0 100'

Title:

PARCEL 2 - LEAD AND CADMIUM IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 6 JULY 2023
Prepared by: T.C.	Scale: AS SHOWN
Project Mgr: M.J.N.	Project: 3200.0007L
File: 015_3200.0007L_PARCEL 2 LEAD DATA_RECOVR.DWG	

FIGURE 10

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\015_3200.0007L_PARCEL 2 LEAD DATA_RECOVR.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- BORING LOCATION (RAMBOLL 2020/2021)
- SHALLOW SOIL BORING (ROUX 2021)
- LEAD EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- BORING LOCATION (RAMBOLL 2020/2021)
- SHALLOW SOIL BORING (ROUX 2021)
- DRO EXCEEDANCE IN SOIL (RAMBOLL 2020/2021)
- DRO EXCEEDANCE IN SOIL (ROUX 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
3. LEAD MEASURED IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
4. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED ONE OR BOTH SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 500 MG/KG
6. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL SOIL SCREENING LEVEL FOR LEAD IS 800 MG/KG
3. GREEN HIGHLIGHT INDICATES DATA SET INCLUDES SAMPLES COLLECTED BY RAMBOLL
4. * = ALL SAMPLES WERE TAKEN BY RAMBOLL IN 2020/2021

N

50' 0 50

Title:

SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

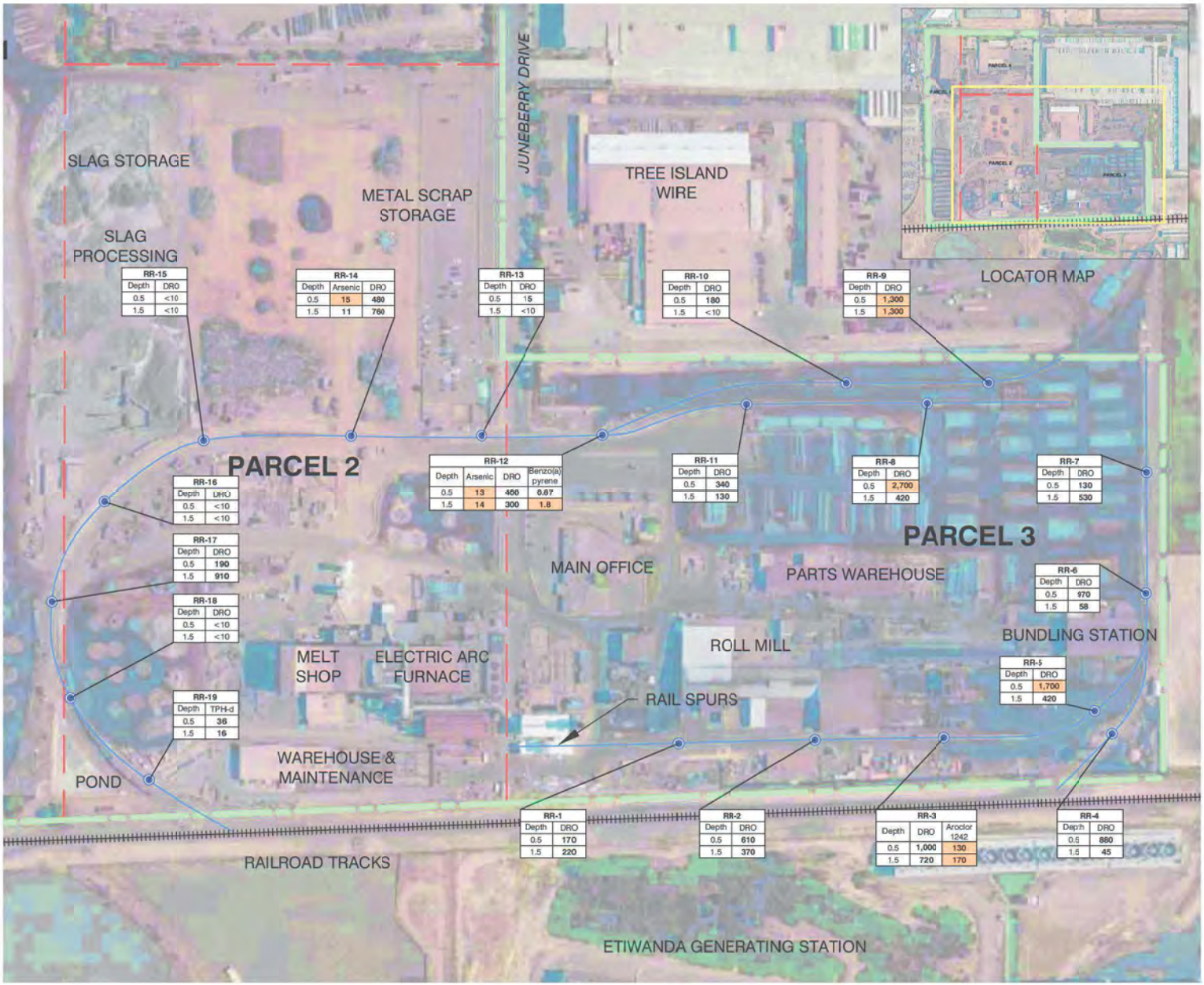
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 7 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: AS SHOWN	11
Project Mgr: M.J.N.	Project: 3200.0007L	
File: S:\CLIENTS\3200.0007L_SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\012_3200.0007L_SOUTHERN PORTION OF PARCEL 3 LEAD IN SOIL.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARIES
- RAIL SPURS
- RR-1 RAIL SPUR SOIL SAMPLE LOCATIONS (ROUX, 2021)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. DRO = TOTAL PETROLEUM HYDROCARBONS IN THE DIESEL RANGE
3. CONCENTRATIONS ARE IN UNITS OF MILLIGRAMS PER KILOGRAM (MG/KG)
4. ORANGE HIGHLIGHT INDICATE RESULTS EXCEED SCREENING LEVELS
5. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES (DTSC) HUMAN AND ECOLOGICAL RISK OFFICE (HERO) HUMAN HEALTH RISK ASSESSMENT (HHRA) NOTE 3 INDUSTRIAL SCREENING LEVEL FOR BENZO(A)PYRENE IS 1.3 MG/KG, FOR AROCLOR-1242 IS 0.58 MG/KG
6. CALIFORNIA UPPER CONFIDENCE LIMIT AND BACKGROUND CONCENTRATION OF ARSENIC IN SOIL IS 12 MG/KG
7. SAN FRANCISCO REGIONAL WATER QUALITY CONTROL BOARD (SFRWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE (2019) FOR DRO IS 1200 MG/KG
8. <X = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

N

200' 0 200'

Title:

RAIL SPURS PARCELS 2 AND 3 EXCEEDANCES IN SOIL

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

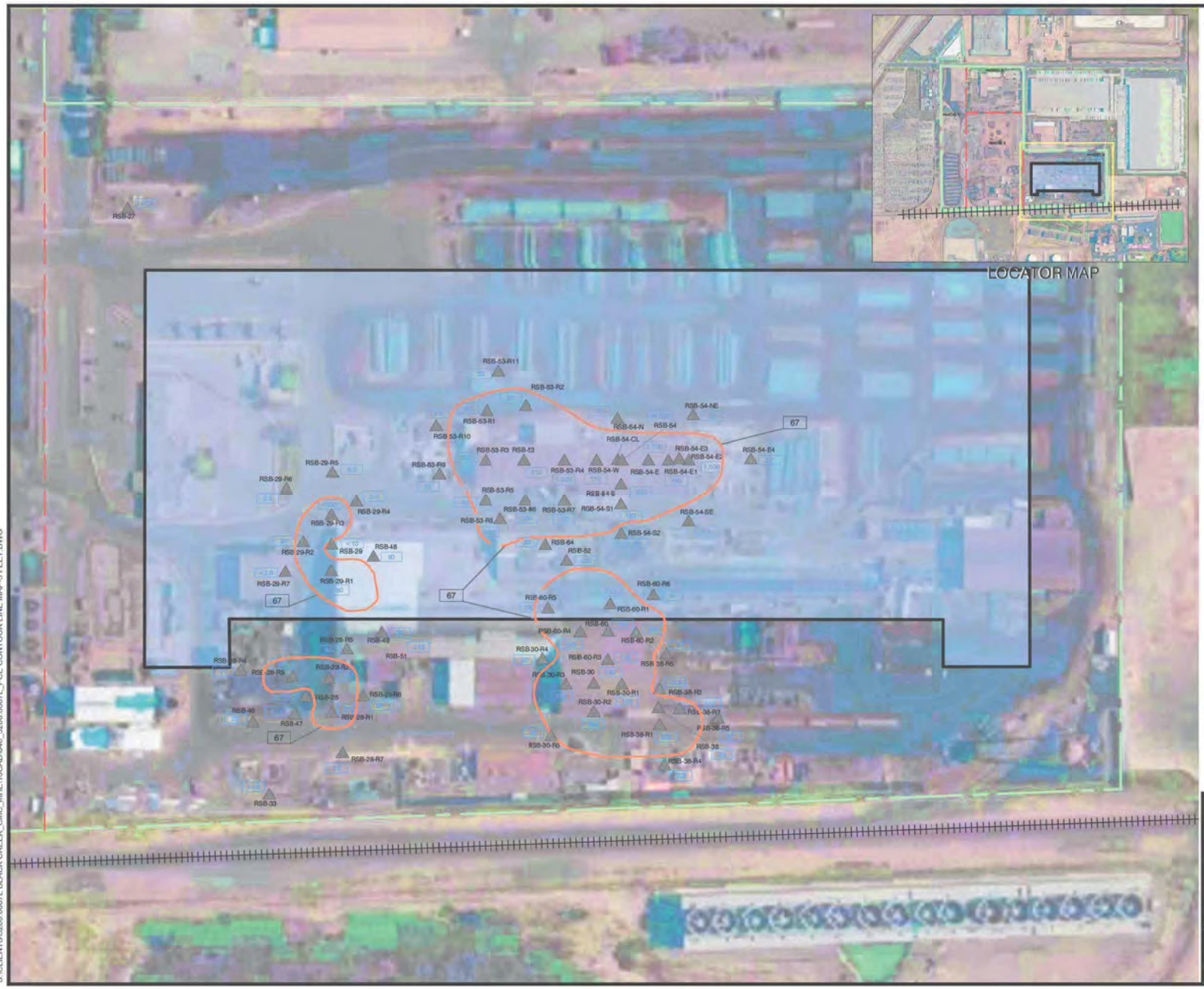
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 7 SEPT 2023
Prepared by: T.C.	Scale: AS SHOWN
Project Mgr: P.S.	Project: 3200.0007L
File: 074_3200.0007L_RAIL SPUR WITH LEAD AND TPH.DWG	

FIGURE 12

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\074_3200.0007L_RAIL SPUR WITH LEAD AND TPH.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 5 FEET BGS
- RSB-54 ▲ — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2020/2021)
- INTERPRETED PCE DTSC SL CONTOUR LINE - 5 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR FOR PCE IS 67 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
PCE ISO-CONTOURS
5 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

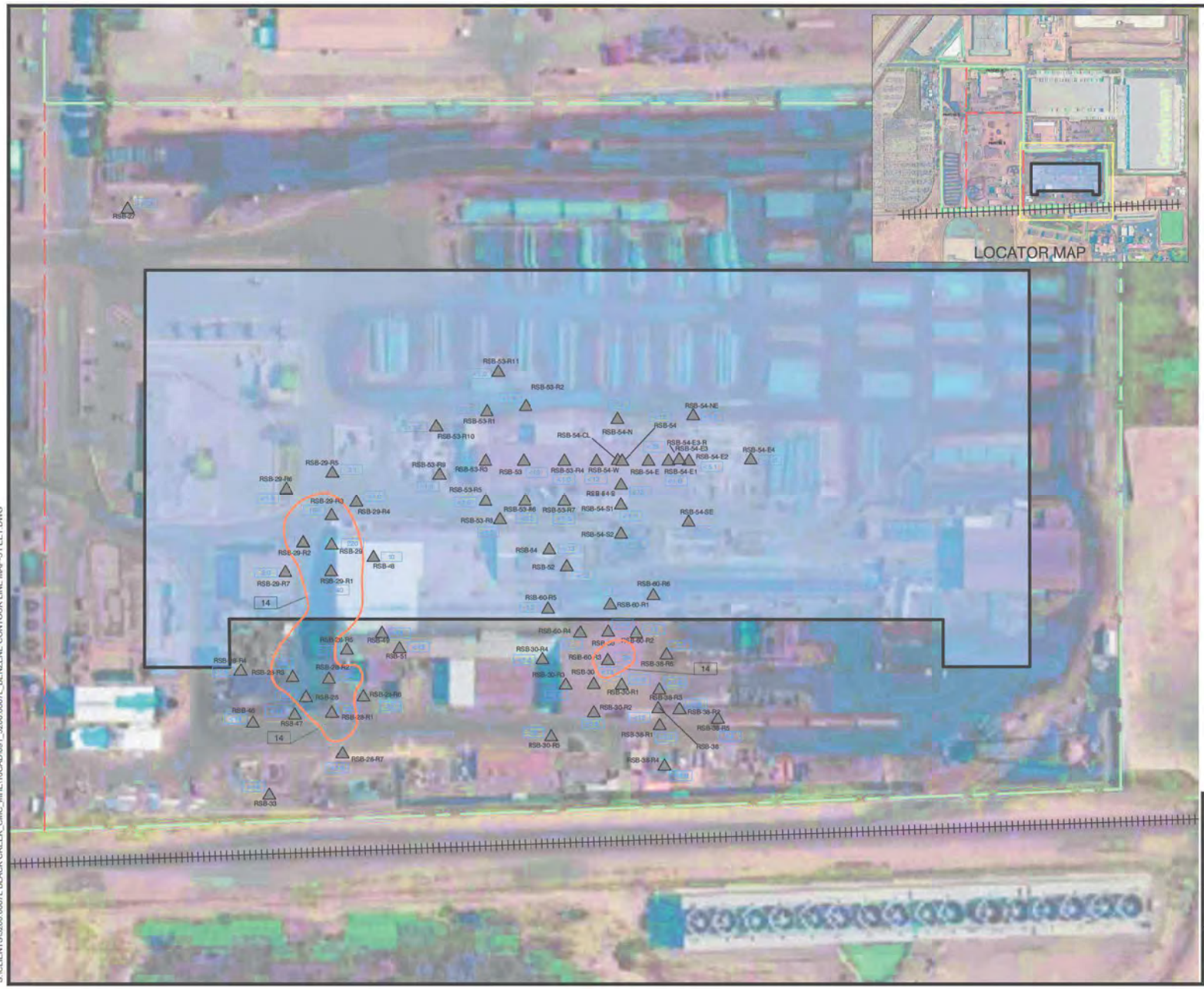
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 SEPT 2023	FIGURE
Prepared by: T.C.	Scale: 1" = 120'	13
Project Mgr: P.S.	Project: 3200.0007L	
File: S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\048_3200.0007L_PCE CONTOUR LINE MAP-5 FEET.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\048_3200.0007L_PCE CONTOUR LINE MAP-5 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — BENZENE CONCENTRATION AT 5 FEET BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED BENZENE DTSC SL CONTOUR LINE - 5 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. BENZENE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3

Title:

PARCEL 3
BENZENE ISO-CONTOURS
5 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 SEPT 2023
Prepared by: M.B.	Scale: 1" = 120'
Project Mgr: P.S.	Project: 3200.0007L
File: S:\CLIENTS\3200.0007L_BENZENE CONTOUR LINE MAP-5 FEET.DWG	

FIGURE 14

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\091_3200.0007L_BENZENE CONTOUR LINE MAP-5 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED PCE DTSC SL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOETHENE
3. PCE CONCENTRATION MEASURED IN MICROGRAMS PER CUBIC METER (UG/M3)
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR PCE IS 67 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
PCE ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 8 SEPT 2023
Prepared by: T.C.	Scale: 1" = 120'
Project Mgr: P.S.	Project: 3200.0007L
File: S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\049_3200.0007L_PCE CONTOUR LINE MAP-REV15 FEET.DWG	

FIGURE 15

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\049_3200.0007L_PCE CONTOUR LINE MAP-REV15 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — BENZENE CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED BENZENE SL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. BENZENE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR BENZENE IS 14 UG/M^3

N

120' 0 120'

Title:

PARCEL 3
BENZENE ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 10 AUGUST 2023
Prepared by: M.B.	Scale: 1" = 120'
Project Mgr: M.J.N.	Project: 3200.0007L
File: [illegible]	

FIGURE 16

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\002_3200.0007L_BENZENE CONTOUR LINE MAP-15 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — TCE CONCENTRATION AT 15 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED TCE USEPA RSL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. TCE = TRICHLOROETHENE
3. TCE CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR TCE IS 100 UG/M^3

Title:

PARCEL 3
TCE ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

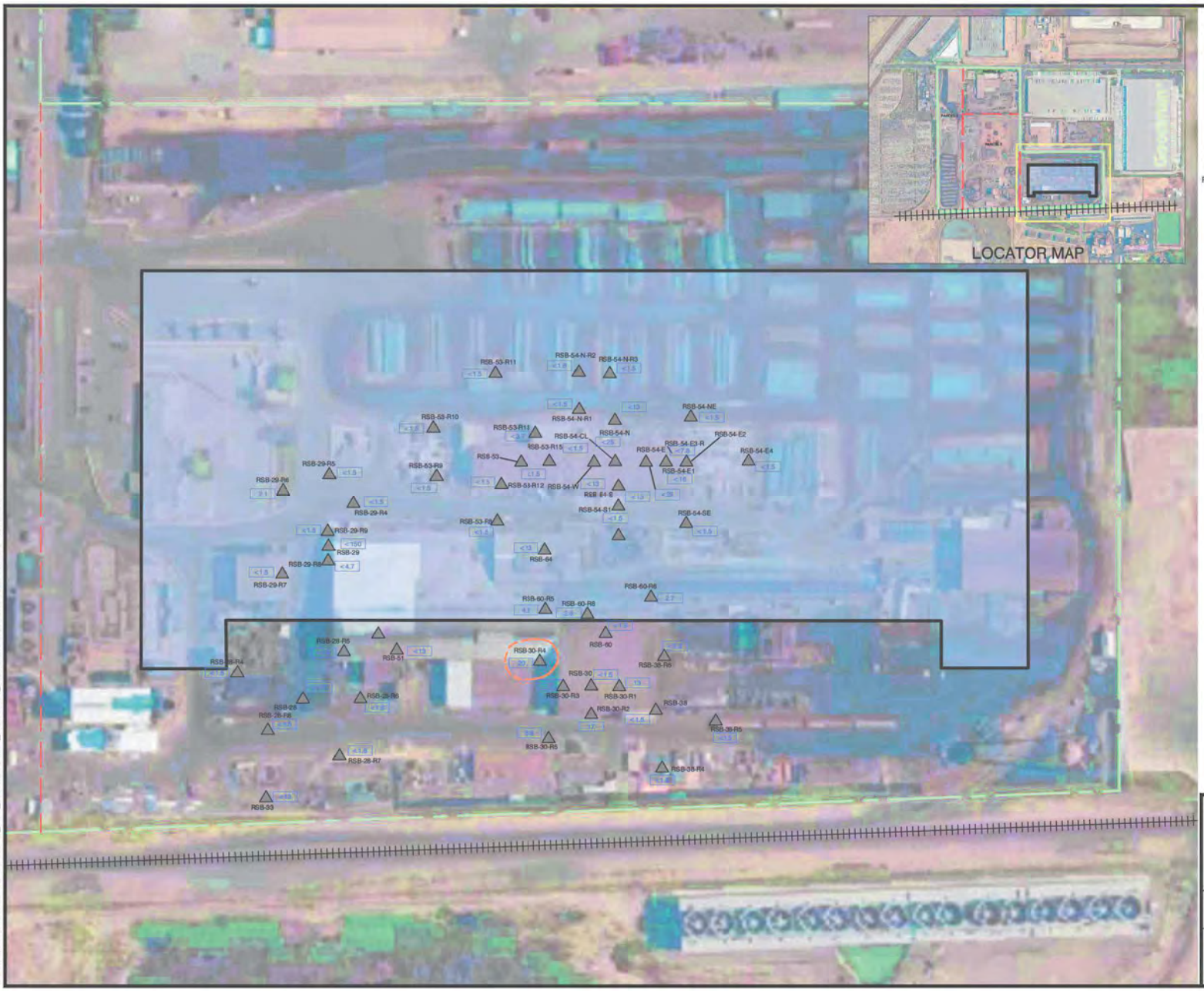
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2023
Prepared by: M.B.	Scale: 1"= 120'
Project Mgr: P.S.	Project: 3200.0007L
File: 3200.0007L_TCECONTOURLINEMAP-15FEET.DWG	

FIGURE 17

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\003_3200.0007L_TCE CONTOUR LINE MAP-15 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — CHLOROFORM CONCENTRATION AT 15 FT BGS
- RSB-54 ▲ — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED CHLOROFORM USEPA RSL CONTOUR LINE - 15 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. CHLOROFORM CONCENTRATION MEASURED IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR CHLOROFORM IS 18 UG/M^3



Title:

PARCEL 3
CHLOROFORM ISO-CONTOURS
15 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2023
Prepared by: M.B.	Scale: 1"= 120'
Project Mgr: P.S.	Project: 3200.0007L
File: 3[illegible]	

FIGURE 18

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\006_3200.0007L_CHLOROFORM CONTOUR LINE MAP-15 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — PCE CONCENTRATION AT 30, 35 FT BGS
- RSB-54 ▲ — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED PCE DTSC SL CONTOUR LINE – 35 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. PCE = TETRACHLOROETHENE
3. PCE CONCENTRATION IS IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMMERCIAL/INDUSTRIAL INDOOR AIR SCREENING LEVEL (SL) WITH AN ATTENUATION FACTOR OF 0.03 FOR FOR PCE IS 67 UG/M^3
5. * = BORING AT 30 FEET BGS

N

120' 0 120'

Title:

PARCEL 3
PCE ISO-CONTOURS
35 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 8 SEPT 2023
Prepared by: T.C.	Scale: 1" = 120'
Project Mgr: M.J.N.	Project: 3200.0007L
File: S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\050_3200.0007L_PCE CONTOUR LINE MAP-REV-35 FEET.DWG	

FIGURE 19

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\050_3200.0007L_PCE CONTOUR LINE MAP-REV-35 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — TCE CONCENTRATION AT 30*, 35 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED TCE USEPA RSL CONTOUR LINE - 35 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. TCE = TRICHLOROETHENE
3. TCE CONCENTRATION IS IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
4. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR TCE IS 100 UG/M^3
5. * = BORING AT 30 FEET BGS

N

120' 0 120'

Title:

PARCEL 3
TCE ISO-CONTOURS
35 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2021
Prepared by: M.B.	Scale: 1" = 120'
Project Mgr: P.S.	Project: 3200.0007L
File: S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\004_3200.0007L_TCE CONTOUR LINE MAP-REV-35 FEET.DWG	

FIGURE 20

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\004_3200.0007L_TCE CONTOUR LINE MAP-REV-35 FEET.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED BUILDING
- 27 — CHLOROFORM CONCENTRATION AT 30*, 35 FT BGS
- RSB-54 — SOIL VAPOR PROBE (RAMBOLL 2020/2021, ROUX 2021/2022)
- INTERPRETED CHLOROFORM USEPA RSL CONTOUR LINE - 35 FEET BGS (DASHED WHERE INFERRED)

NOTES

1. DEPTH IS IN FEET BELOW GROUND SURFACE (BGS)
2. CHLOROFORM CONCENTRATION IS IN UNITS OF MICROGRAMS PER CUBIC METER (UG/M^3)
3. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) INDUSTRIAL INDOOR AIR REGIONAL SCREENING LEVEL (RSL) WITH AN ATTENUATION FACTOR OF 0.03 FOR CHLOROFORM IS 18 UG/M^3
4. * = BORING AT 30 FEET BGS

N

120' 0 120'

Title:

PARCEL 3
CHLOROFORM ISO-CONTOURS
35 FEET BGS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

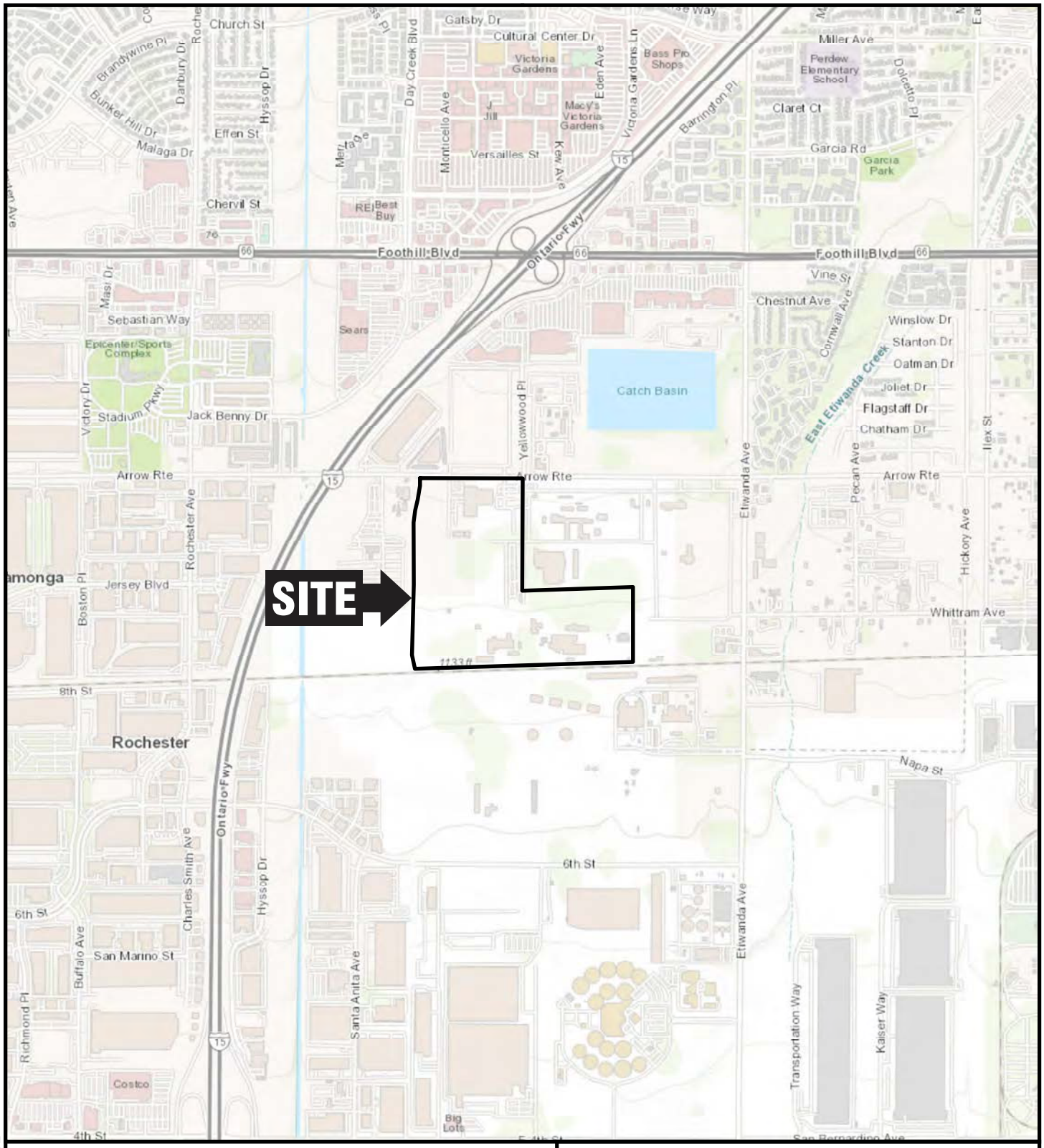
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 10 AUGUST 2023
Prepared by: M.B.	Scale: 1" = 120'
Project Mgr: P.S.	Project: 3200.0007L
File: S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\005_3200.0007L_CHLOROFORM CONTOUR LINE MAP-REV-35 FEET.DWG	

FIGURE 21

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\005_3200.0007L_CHLOROFORM CONTOUR LINE MAP-REV-35 FEET.DWG



LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

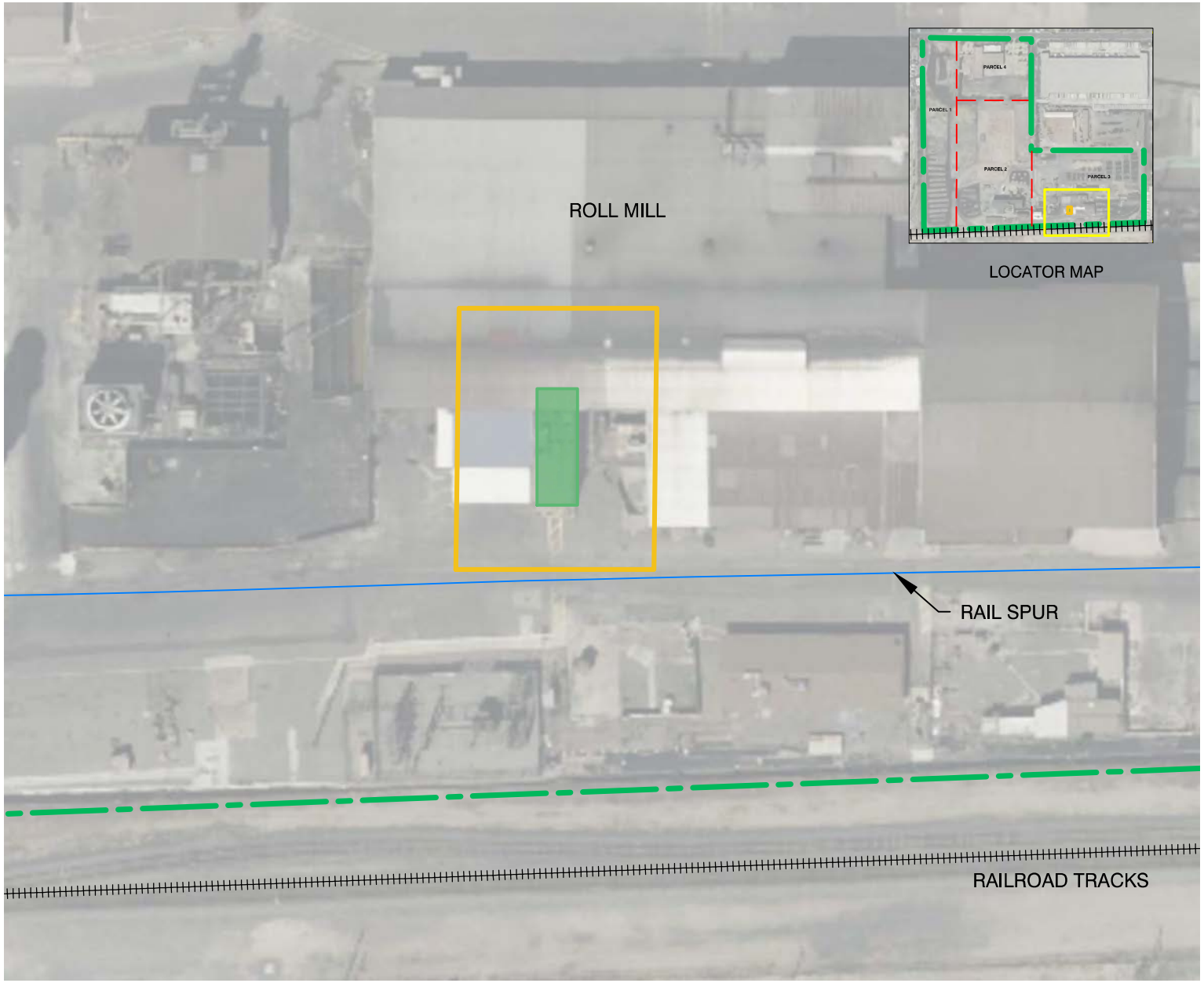
BTC III Arrow Route CC LP

ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: R.Q.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1

S:\GIS\PROJECTS\3200\0007L\100\3200.0007L-100.0.MXD



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PINK STAINED CONCRETE
- 10 FOOT BUFFER ZONE

N

50' 0 50'

Title:

SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 20 MARCH 2023
Prepared by: M.B.	Scale: AS SHOWN
Project Mgr: M.J.N.	Project: 3200.0007L
File: 077_3200.0007L_UFS 7.DWG	

FIGURE 2

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\077_3200.0007L_UFS 7.DWG



LEGEND

- UFS - 7: PINK CONCRETE
- 10-FOOT GRID
- NEWCASTLE ACTIVE TRANSFORMER
- EXTENT OF CONCRETE SLAB
- CONCRETE SAMPLE LOCATION (ALL AROCLOR < 0.58 MG/KG)
- CONCRETE SAMPLE LOCATION (AROCLOR-1248 > 0.58 MG/KG)
- CONCRETE SAMPLE LOCATION (AROCLOR-1242 > 0.58 MG/KG)
- SOIL SAMPLE LOCATION (AROCLOR-1248 < 0.58 MG/KG)
- SOIL SAMPLE LOCATION (AROCLOR-1248 > 0.58 MG/KG)

NOTES

1. UFS - UNKNOWN FEATURE/STRUCTURE.
2. SOIL SAMPLES GATHERED MAY 15, 2023.
3. CONCRETE SAMPLES GATHERED MAY 15, MAY 17, JUNE 2, AND JUNE 14, 2023.
4. EACH GRID CELL IS 10 X 10 FEET.
5. UG/KG = MICROGRAMS PER KILOGRAM.
6. CALIFORNIA DEPARTMENT OF TOXI SUBSTANCES CONTROL (DTSC) HUMAN AND ECOLOGICAL RISK OFFICE (HERO) HUMAN HEALTH RISK ASSESSMENT (HHRA) NOTE 3 SCREENING LEVEL (SL) FOR AROCLOR-1242 AND AROCLOR-1248 IN INDUSTRIAL SOIL = 0.58 MG/KG.
7. * = CONCRETE SAMPLES A02-0.5 AND G02-0.5 ALSO EXCEED DTSC HERO HHRA SL FOR AROCLOR-1254 IN INDUSTRIAL SOIL (0.59 MG/KG).
8. CONCRETE SAMPLE LOCATION B-05 INCLUDES VERTICAL PROFILE SAMPLES AT 0.5, 1.5, AND 3 INCHES BELOW GROUND SURFACE (BGS). SAMPLES AT 0.5 AND 1.5 INCHES BGS EXCEED DTSC SL FOR AROCLOR-1248.
9. CONCRETE SAMPLE LOCATION C-03 INCLUDES VERTICAL PROFILE SAMPLES AT 0.5, 1.5, AND 3 INCHES BGS. ALL VERTICAL PROFILE SAMPLES EXCEED DTSC SL FOR AROCLOR-1242.
10. E03 AND E04 GRID CELLS INFRINGE ON NEWCASTLE ACTIVE TRANSFORMER PROPERTY UNDER TEMPORARY EASEMENT. SAMPLE LOCATIONS WERE PLACED ON THE ACCESSIBLE PERIPHERY.

N

20' 0 20'

Title:

ADDITIONAL SOIL AND CONCRETE CHARACTERIZATION SAMPLES

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

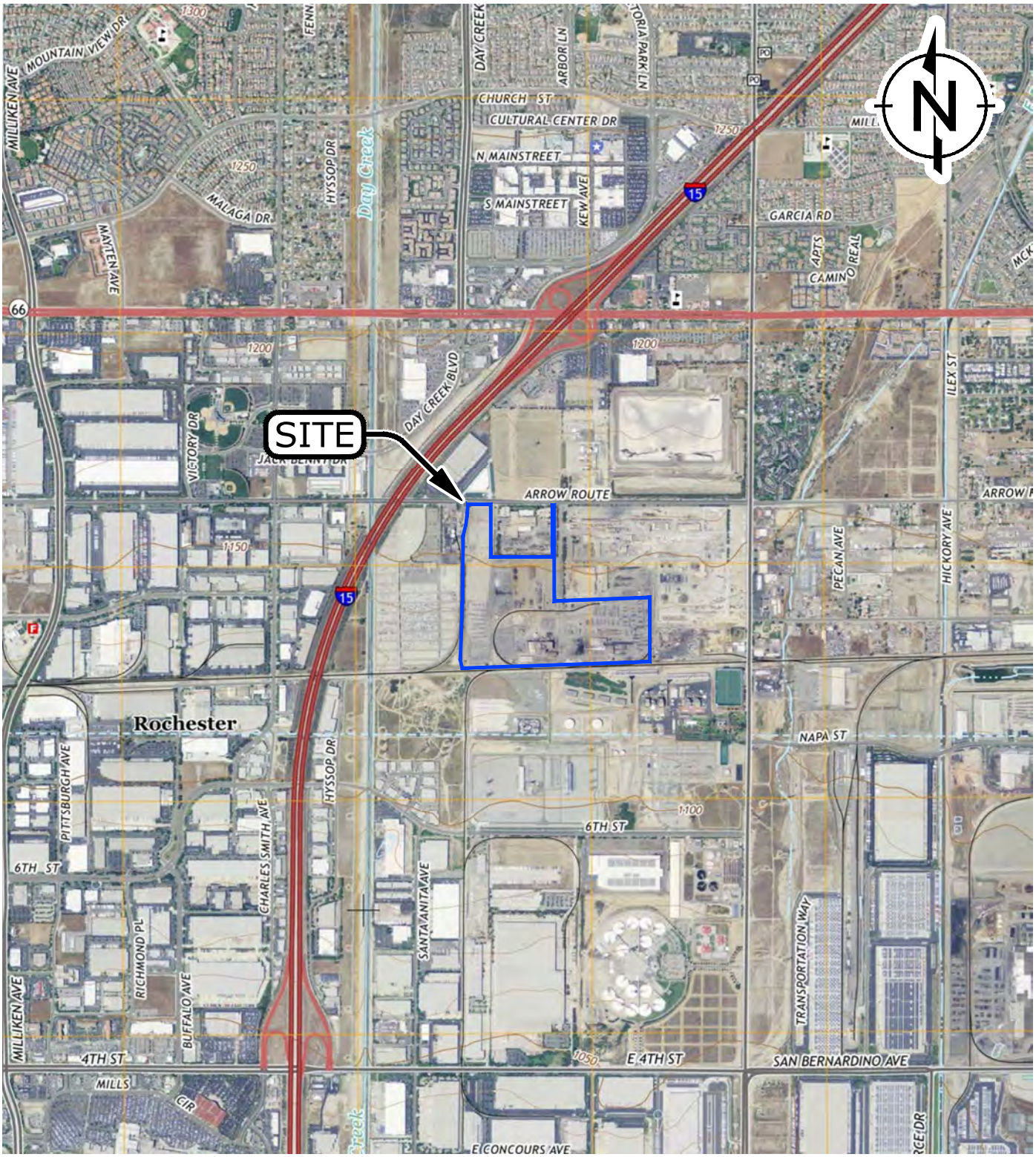
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 15 AUG 2023
Prepared by: T.C.	Scale: AS SHOWN
Project Mgr: P.S.	Project: 3200.0007L
File: 075_3200.0007L_UFS 7 AND GRID PRELIM RESULTS.DWG	

FIGURE 3

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\075_3200.0007L_UFS 7 AND GRID PRELIM RESULTS.DWG



LEGEND:

PROPERTY BOUNDARY (APPROXIMATE)

NOTE:
CONTOUR INTERVAL 10 FEET

SOURCE:
USGS 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLES; CUCAMONGA PEAK, AND GUASTI, CALIFORNIA, 2015.
SITE LOCATION; N: 34.0949° W: -117.5339° WGS84

0 1/2 1
SCALE IN MILES

0 2000 4000
SCALE IN FEET



QUADRANGLE LOCATION

RAMBOLL ENVIRON

SITE LOCATION MAP

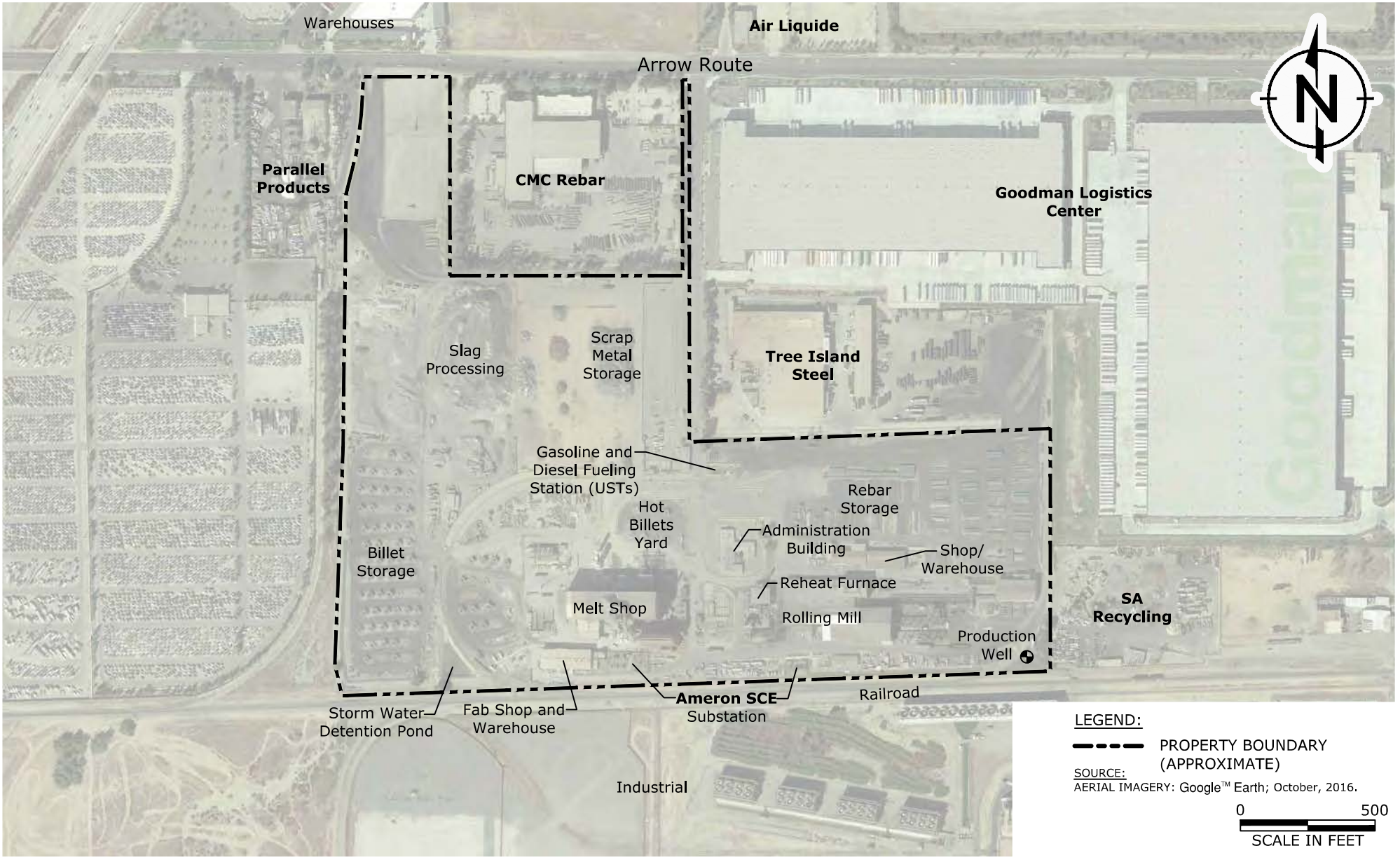
GERDAU AMERISTEEL US INC. DBA TAMCO
12549-B ARROW ROUTE
RANCHO CURAMONGA, CALIFORNIA

FIGURE 1

DRAFTED BY: RGM | DATE: 7/11/2017 | PROJECT: 02-42462A

GMILES 7/12/17 F:\GRAEME\01-42462A < SLM RANCHO CUCAMONGA CA >

GMILES 7/12/17 F:\GRAEME\01-42462A < SITE LAYOUT RANCO CUCAMONGA CA >



RAMBOLL ENVIRON

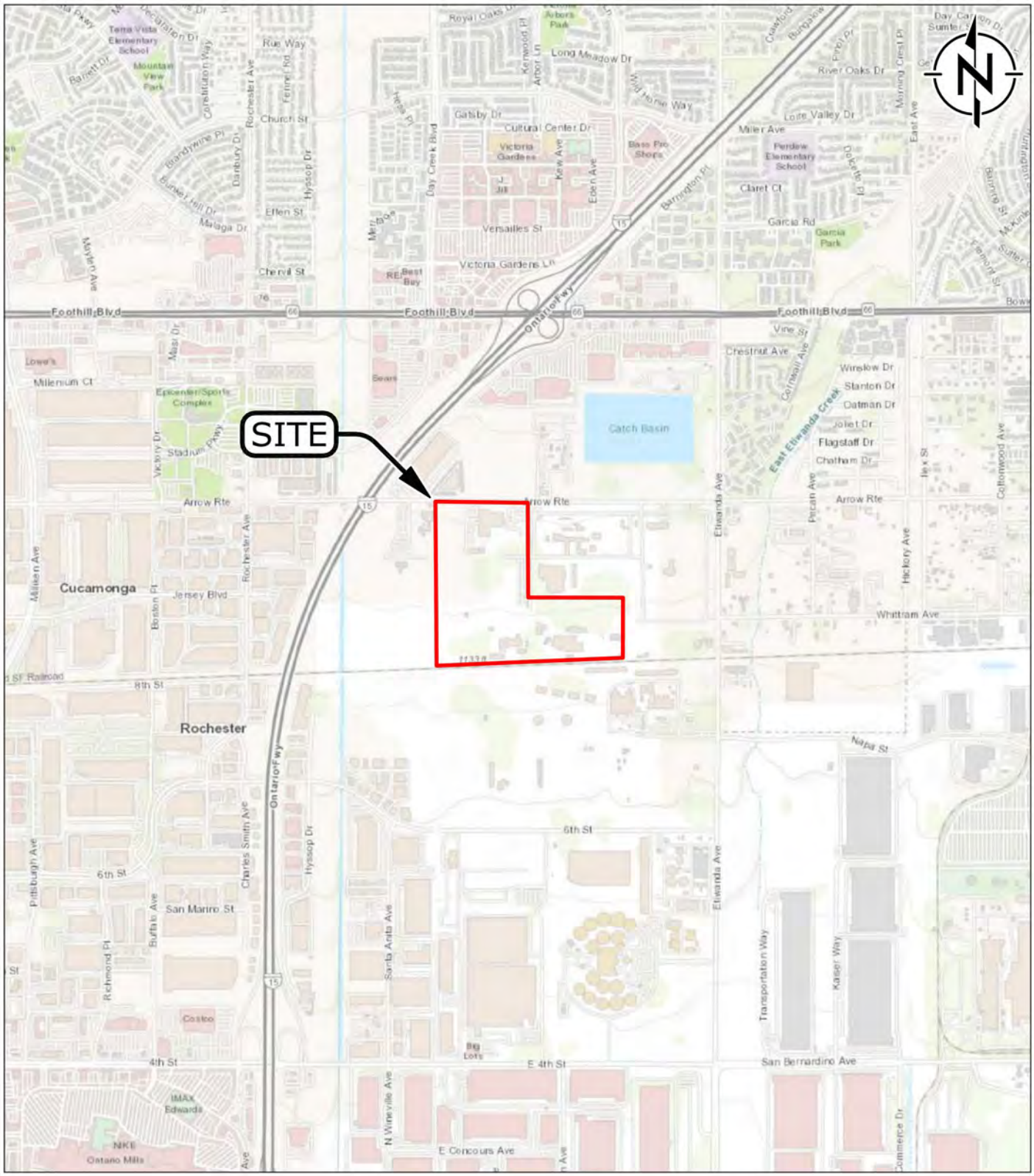
DRAFTED BY: RGM | DATE: 7/11/2017

SITE LAYOUT

GERDAU AMERISTEEL US INC. DBA TAMCO
12549-B ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

FIGURE
2

PROJECT: 01-42462A



SOURCE:
World Topographic Map: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

RAMBOLL

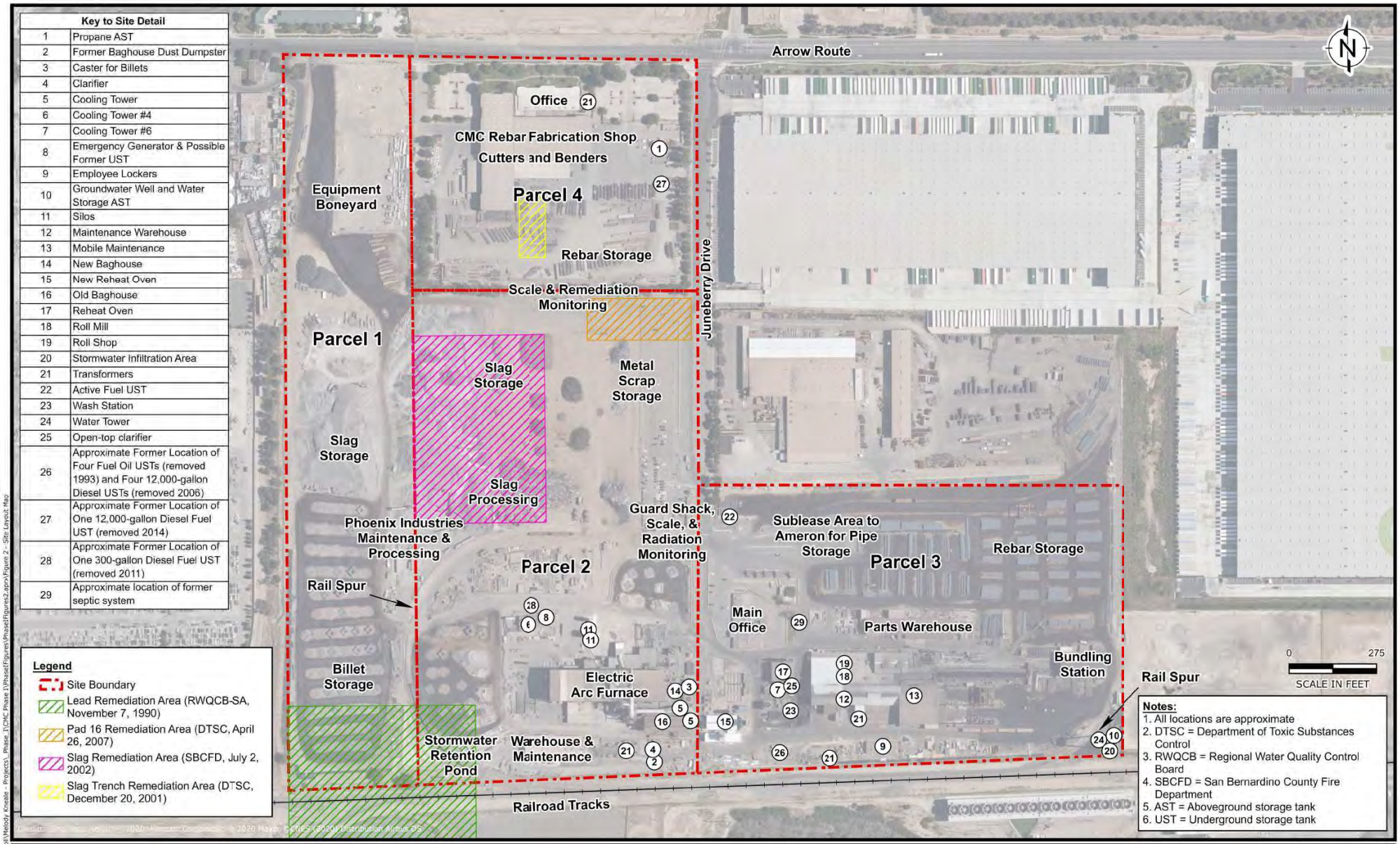
Site Location Map

12459-B Arrow Route
Rancho Cucamonga, California

FIGURE
1

DRAFTED BY: AHIGGINS | DATE: 8/31/2020 | PROJECT: 1690017888

C:\Users\AHiggins\Ramboll\Melody Kneale - Projects_Phase_1\CMC Phase I\PhaseIFigures\PhaseIFigures2.aprx\Figure 1 - Site Location Map



RAMBOLL

DRAFTED BY: AHIGGINS | DATE: 8/31/2020

Site Layout Map
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE
2

PROJECT: 1690017888

C:\Users\AHiggins\Ramboll\Melody Kreate - Projects_Phase 1\CMC Phase 1\Phase1Figures\Phase1Figures2.aprx\Figure 2 - Site Layout Map



RAMBOLL

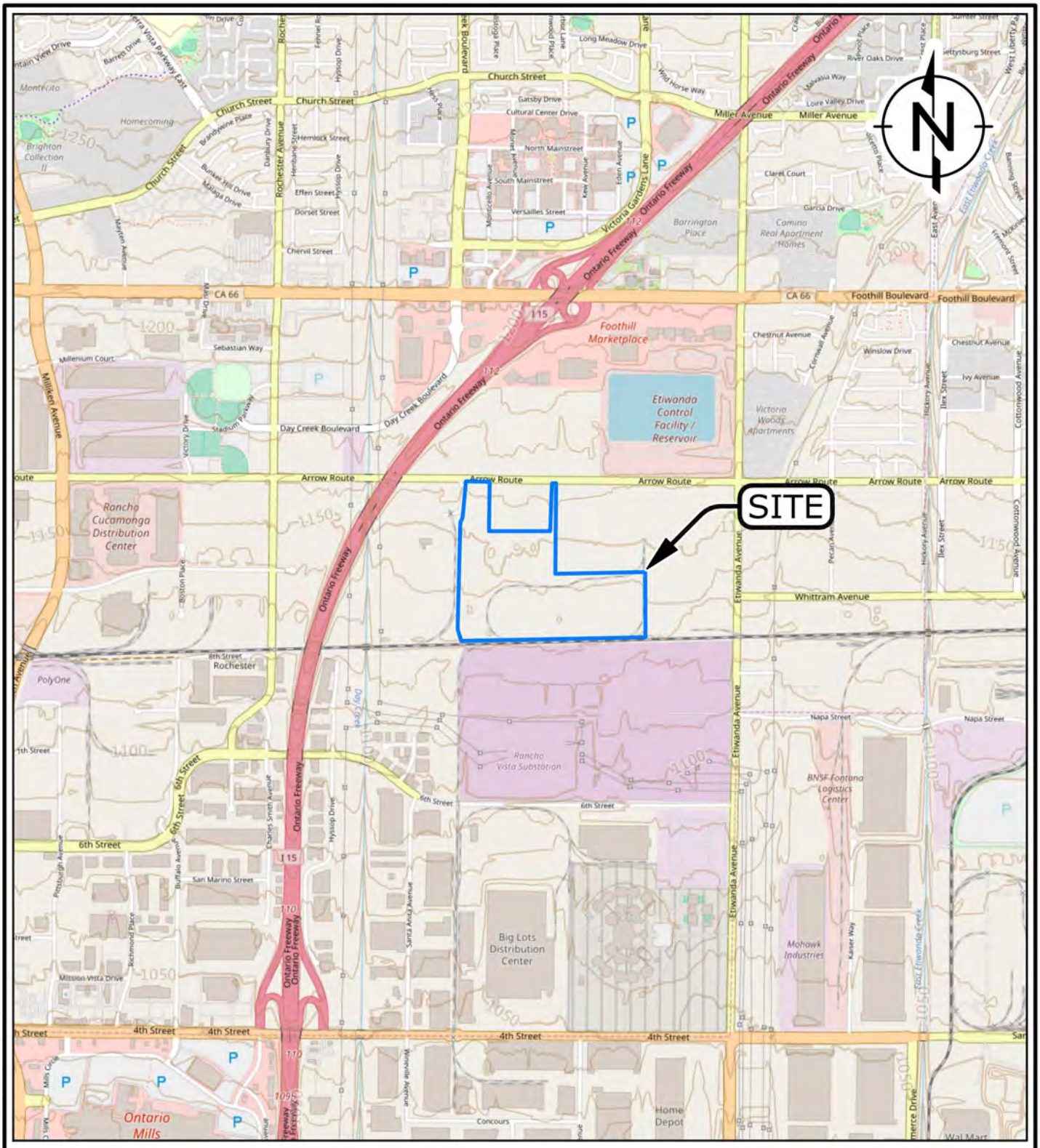
DRAFTED BY: AHIGGINS | DATE: 8/31/2020

Surrounding Properties
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE
3

PROJECT: 1690017888

C:\Users\AHiggins\Ramboll\Melody Kwiatkowski - Projects_Phase 1\CMC Phase 1\Phase1Figures\Phase1Figures2.aprx\Figure 3 - Surrounding Properties



LEGEND:

PROPERTY BOUNDARY (APPROXIMATE)

0 0.5 1
SCALE IN MILES

0 2,000 4,000
SCALE IN FEET



Key Map

SOURCE:
OpenStreetMap: © OpenStreetMap (and) contributors, CC-BY-SA
Contours: USGS The National Map: 3D Elevation Program. Data Refreshed September, 2018.
www.openstreetmap.org/key
Map Scale 1:24,000. Spatial Reference: NAD 1983 UTM Zone 11N; Map Center: 117°32'3"W 34°5'43"N

RAMBOLL

SITE LOCATION MAP

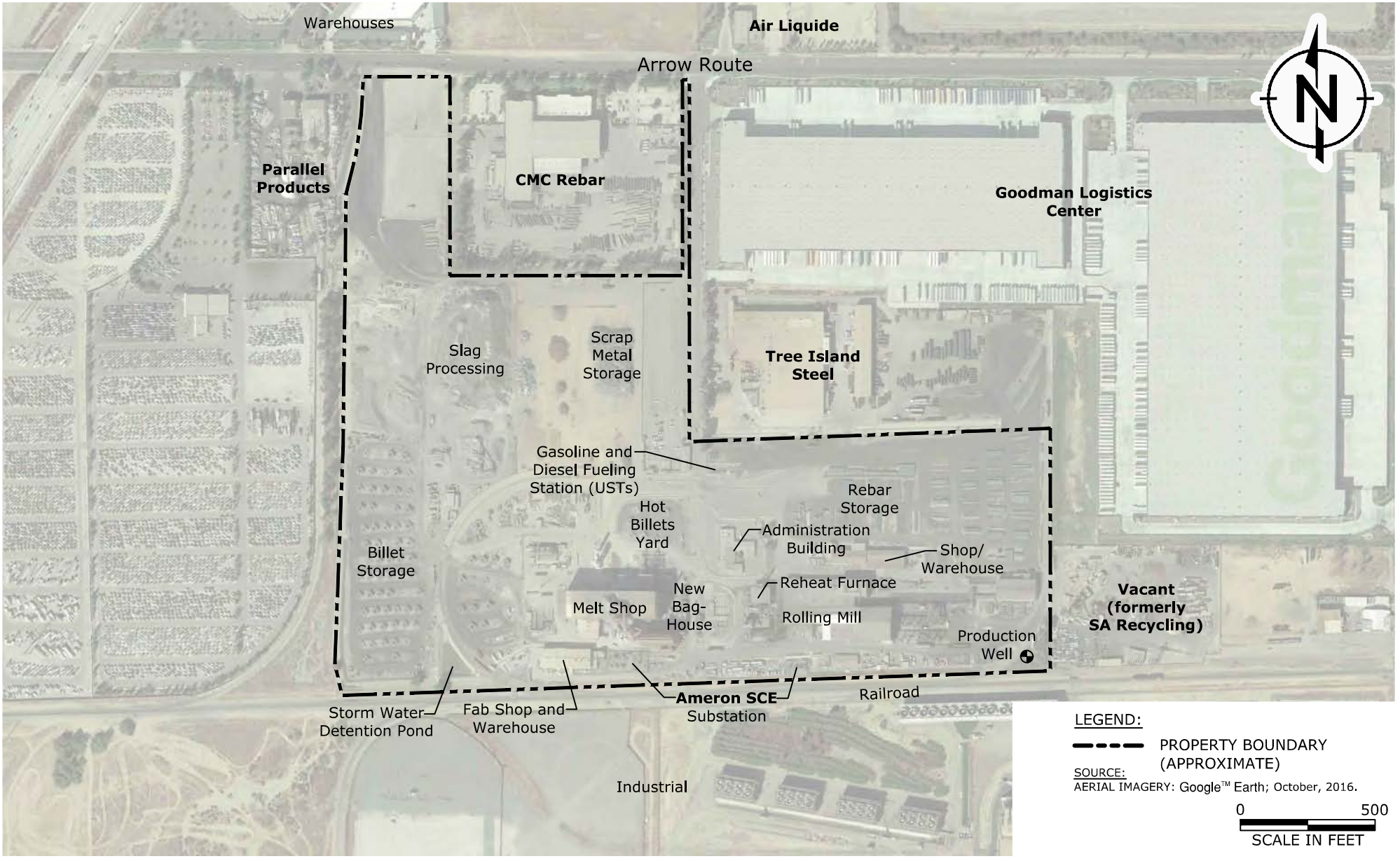
GERDAU AMERISTEEL US INC. DBA TAMCO
12549-B ARROW ROUTE
RANCHO CURAMONGA, CALIFORNIA

FIGURE 1

DRAFTED BY: RGM | DATE: 10/25/2018 | PROJECT: 1690007389

F:\GRAEME\1690007389\SLM_RANCHO_CUCAMONGA_CA\SLM_RANCHO_CUCAMONGA_CA.aprx

GMILES 10/25/18 F:\GRAEME\1690007389 < SITE_LAYOUT_RANCHO_CUCAMONGA_CA >



RAMBOLL

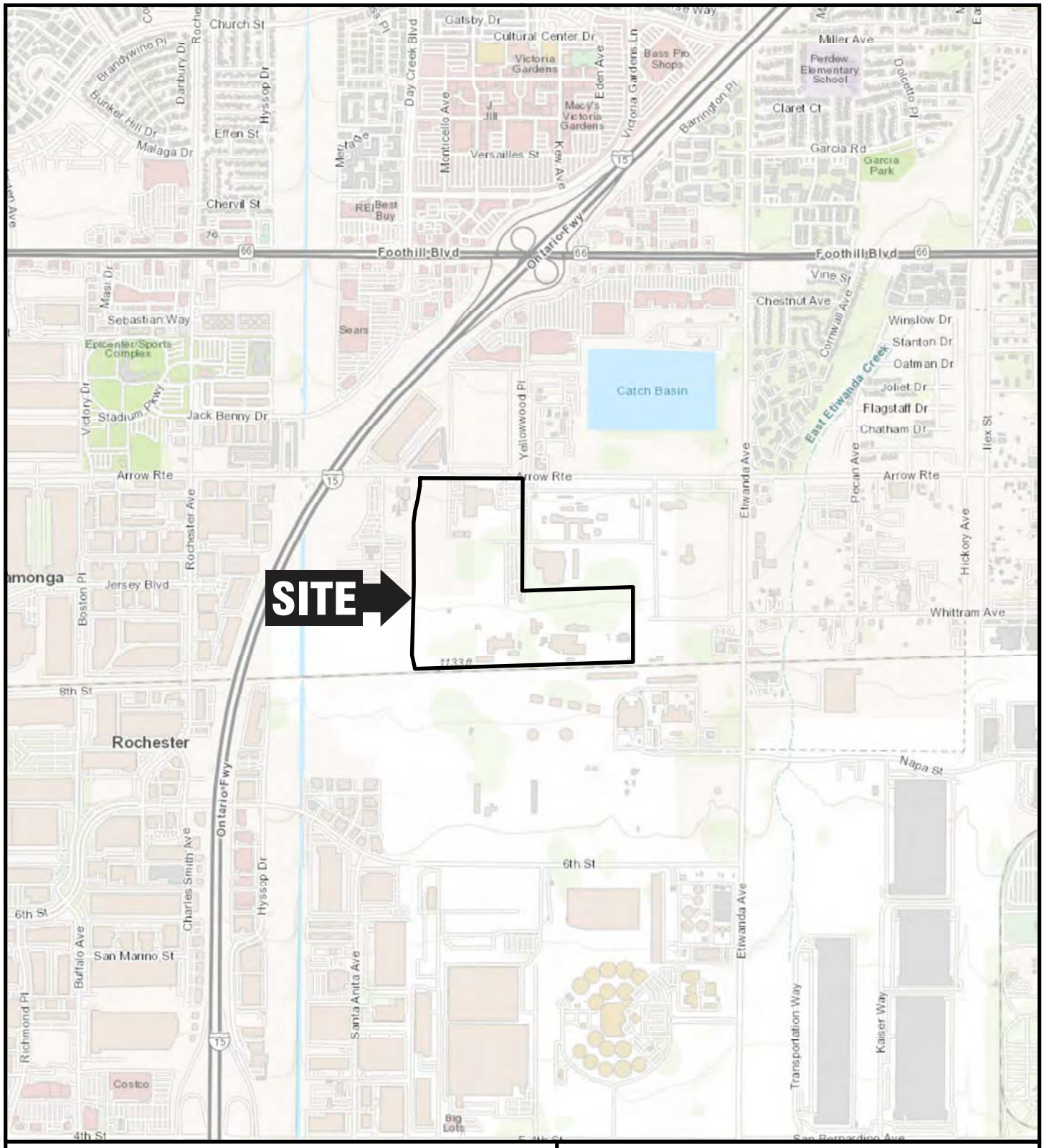
DRAFTED BY: RGM | DATE: 7/11/2017

SITE LAYOUT

GERDAU AMERISTEEL US INC. DBA TAMCO
12549-B ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

FIGURE
2

PROJECT: 01-42462A



LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

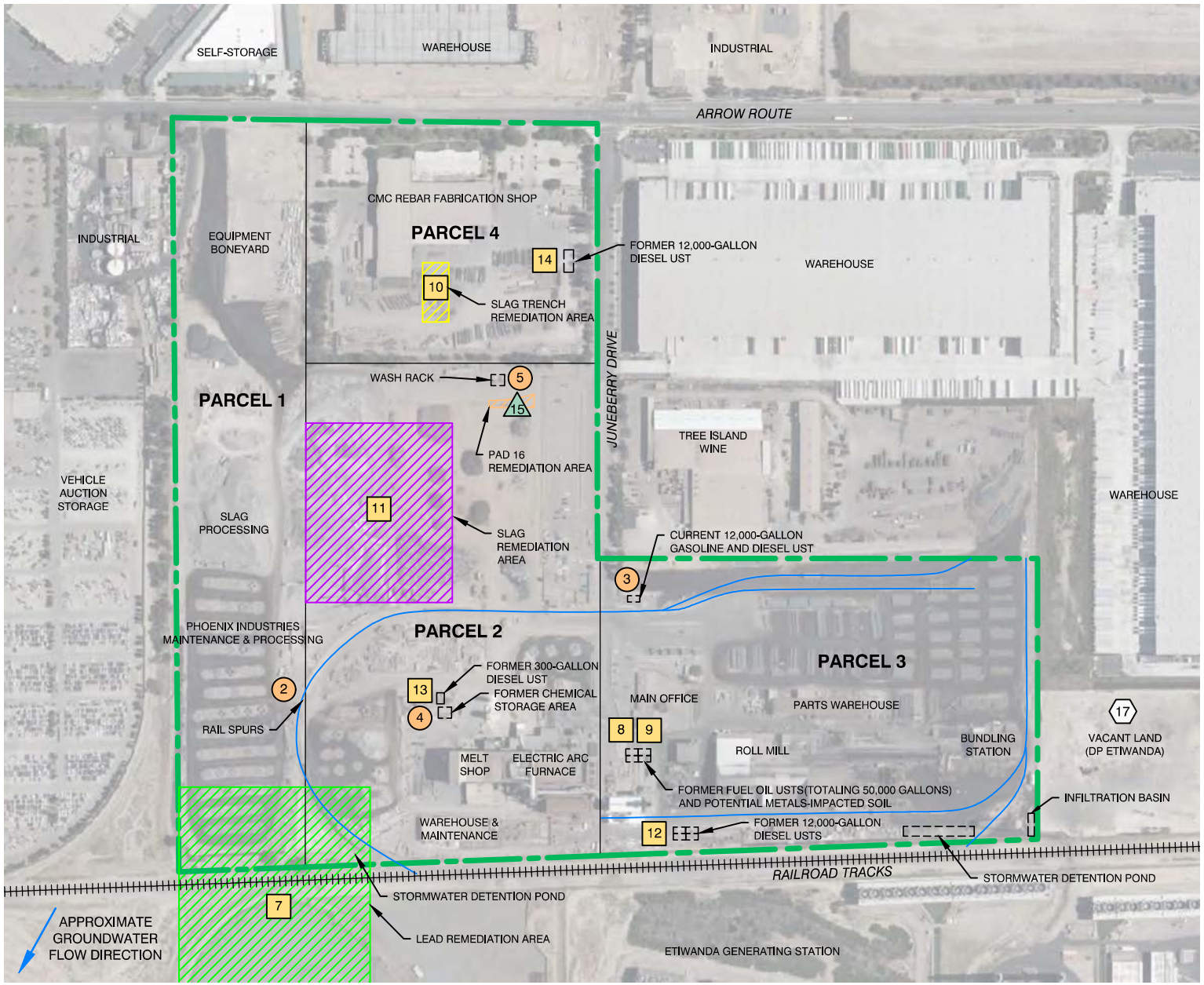
BTC III ACQUISITIONS, LLC

ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: M.J.N.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1

S:\GIS\PROJECTS\3200\0007L\100\3200.0007L-100.0.MXD



LEGEND

- PARCEL BOUNDARIES
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- 1 — RECOGNIZED ENVIRONMENTAL CONDITION (REC)
- 7 — HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITION (hREC)
- 15 — CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITION (cREC)
- 16 — OTHER ENVIRONMENTAL FEATURE (OEF)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES

REC 1: SITE-WIDE TPH AND METALS TO SOIL AND VOC IMPACTS TO SOIL VAPOR

REC 6: POTENTIAL INACTIVE ON-SITE USTs

OEF 16: HISTORICAL SITE-WIDE AGRICULTURAL USE

OEF 18: SITE-WIDE BURIED SLAG MATERIAL

N

300' 0 300'

Title:

SITE PLAN

12459-B ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

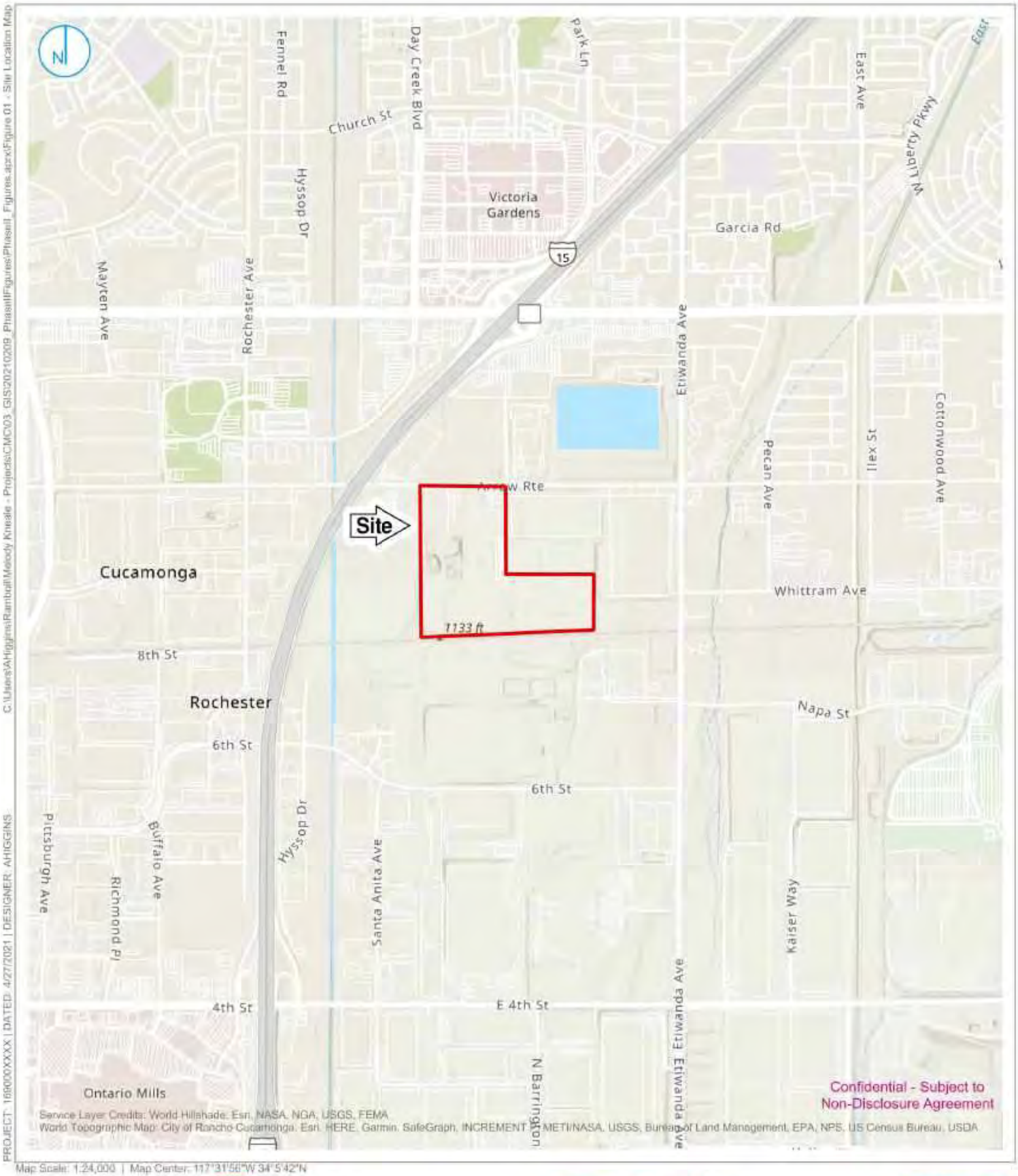
BTC III ACQUISITIONS LLC

ROUX

Compiled by: C.J.	Date: 03 DEC 2021
Prepared by: C.J.	Scale: AS SHOWN
Project Mgr: M.J.N.	Project: 3200.0007L
File: 001_3200.0007L_SITE PLAN.DWG	

FIGURE 2

\\SRVLACAFP1\LA SHARED\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\001_3200.0007L_SITE PLAN.DWG



C:\Users\AHiggins\Ramboll\Melody Kneale - Projects\CMC\03_GIS\20210209_Phase1\Figures\Phase1_Figures.aprx\Figure 01 - Site Location Map

PROJECT: 1690000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS

Map Scale: 1:24,000 | Map Center: 117°31'56"W 34°5'42"N

Site Boundary



KEY MAP (not to scale)

0 1,000 2,000 Feet

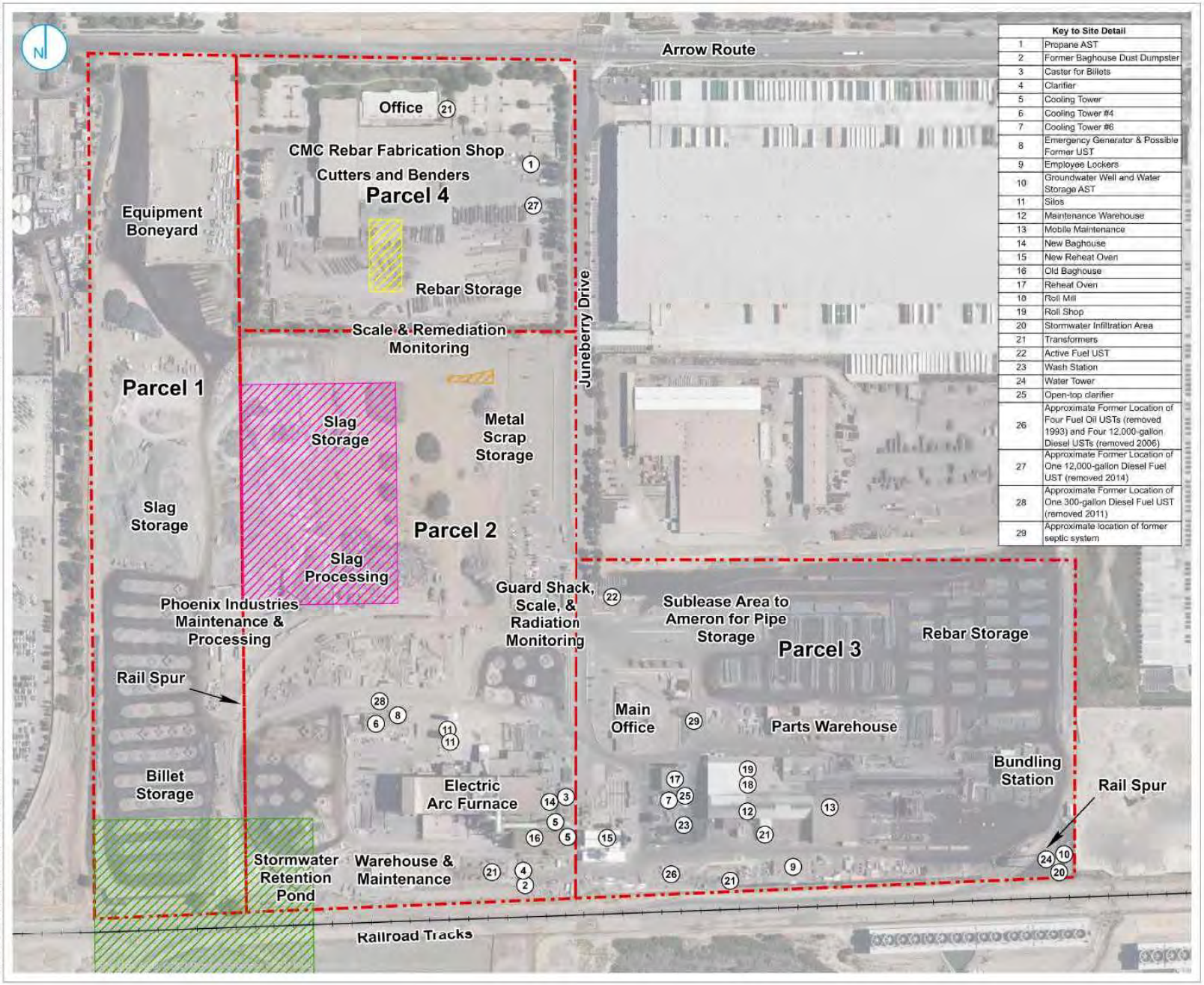
SITE LOCATION

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 01

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL



Key to Site Detail	
1	Propane AST
2	Former Baghouse Dust Dumpster
3	Caster for Billets
4	Clarifier
5	Cooling Tower
6	Cooling Tower #4
7	Cooling Tower #6
8	Emergency Generator & Possible Former UST
9	Employee Lockers
10	Groundwater Well and Water Storage AST
11	Silos
12	Maintenance Warehouse
13	Mobile Maintenance
14	New Baghouse
15	New Reheat Oven
16	Old Baghouse
17	Reheat Oven
18	Roll Mill
19	Roll Shop
20	Stormwater Infiltration Area
21	Transformers
22	Active Fuel UST
23	Wash Station
24	Water Tower
25	Open-top clarifier
26	Approximate Former Location of Four Fuel Oil USTs (removed 1993) and Four 12,000-gallon Diesel USTs (removed 2006)
27	Approximate Former Location of One 12,000-gallon Diesel Fuel UST (removed 2014)
28	Approximate Former Location of One 300-gallon Diesel Fuel UST (removed 2011)
29	Approximate location of former septic system

- UST Removal Area
- Slag Trench Remediation Area (DTSC, December 20, 2001)
- Slag Remediation Area (SBCFD, July 2, 2002)
- Pad 16 Remediation Area (DTSC, April 26, 2007)
- Lead Remediation Area (RWQCB-SA, November 7, 1990)
- Site Boundary

Notes

1. All locations are approximate
2. DTSC = Department of Toxic Substances Control
3. RWQCB = Regional Water Quality Control Board
4. SBCFD = San Bernardino County Fire Department
5. AST = Aboveground storage tank
6. UST = Underground storage tank

0 125 250 Feet

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SITE LAYOUT MAP

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 02

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Melody Kneale - Projects\CMC\03_GIS\20210209_Phase\Figures\Phase1_Figures.aprx\Figure 02 - Site Map
PROJECT: 1690000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS



- Grid Soil Sample Location
- Soil Sample Location
- Soil/Soil Vapor Sample Location
- Step-out Soil Sample Location
- Step-out Soil Vapor Sample Location
- Site Parcel

0 125 250 Feet

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BORING LOCATION MAP

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

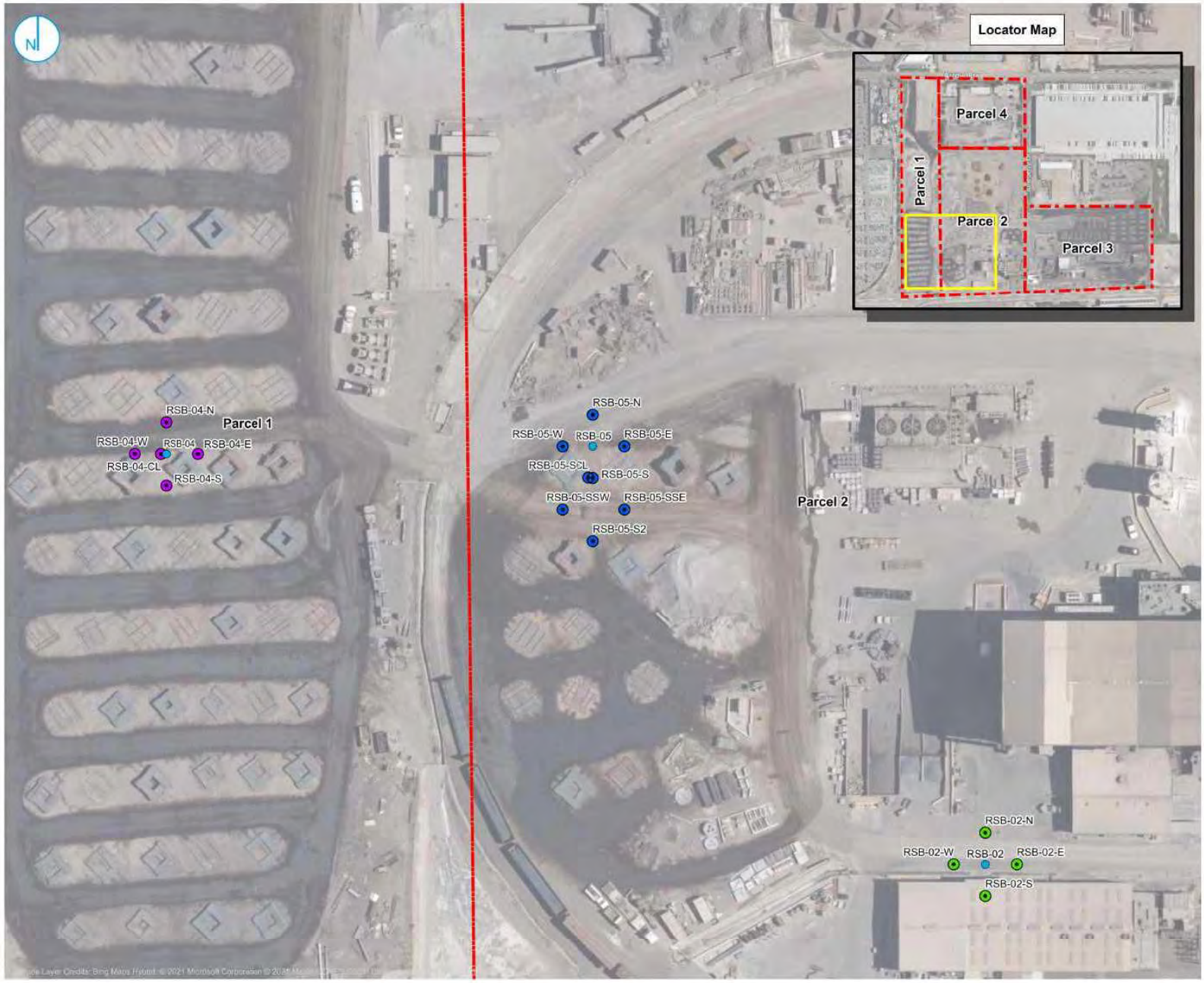
FIGURE 03

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Melody Kwalia - Projects\CMC\03_GIS\2021\0209_Phase\Figures\Phase\I_Figures.aprx\Figure 03 - Boring Locations

PROJECT: 1690000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS



- Grid Soil Sample Location
- Step-Out Soil Sample Location for Analysis of Lead
- Step-Out Soil Sample Location for Analysis of Total Petroleum Hydrocarbons
- Step-Out Soil Sample Location for Analysis of Thallium
- Site Parcel

0 37.5 75 Feet

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STEP-OUT DETAIL MAP
PARCELS 1 & 2

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 04A

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690XXXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS

C:\Users\AHiggins\Ramboll\Melody Kneale - Projects\CMC\03_GIS\20210209_Phase\Figures\Phase\I_Figures.aprx\Figure 04A - Stepout Locations



- Grid Soil Sample Location
- Soil Sample Location
- Soil/Soil Vapor Sample Location
- Step-Out Soil Sample Location for Analysis of Lead
- Step-Out Soil Sample Location for Analysis of Total Petroleum Hydrocarbons
- Step-Out Soil Vapor Sample Location for Analysis of Volatile Organic Compounds
- Site Parcel

0 37.5 75 Feet

Confidential - Subject to Non-Disclosure Agreement

STEP-OUT DETAIL MAP
PARCEL 3

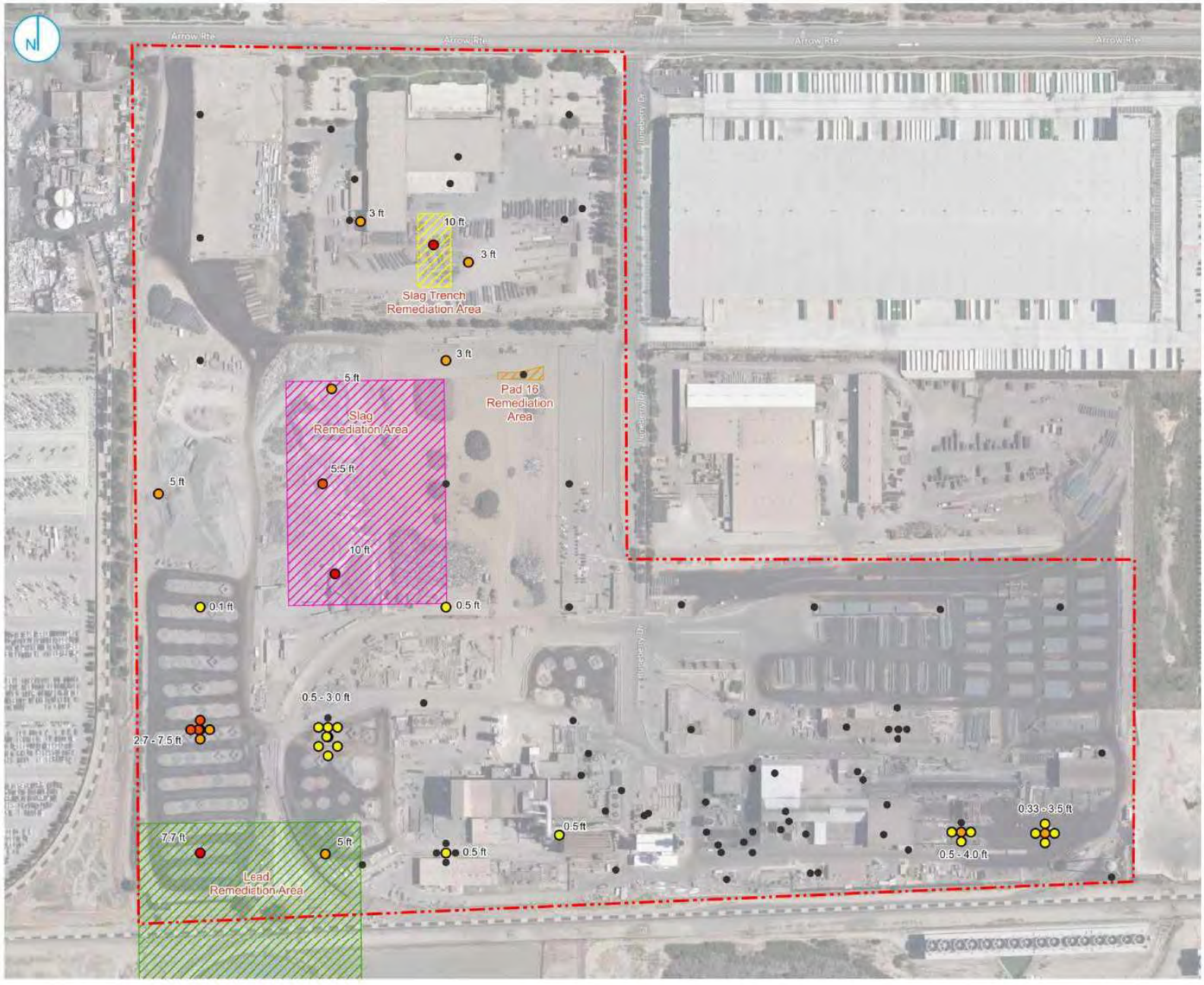
Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 04B

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Melody Kneale - Projects\CMC\03_GIS\20211209_PhaseII\Figures\PhaseII_Figures.aprx\Figure 04B - Stepout Locations
PROJECT: 1690XXXXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS



Slag Thickness (feet) at Boring Locations

- No slag encountered
- 0 - 2.5
- 2.6 - 5.0
- 5.1 - 7.5
- 7.6 - 10
- Site Boundary
- Slag Trench Remediation Area (DTSC, December 20, 2001) *
- Slag Remediation Area (SBCFD, July 2, 2002)
- Pad 16 Remediation Area (DTSC, April 26, 2007)
- Lead Remediation Area (RWQCB-SA, November 7, 1990)

Notes

1. Slag thickness depicted in feet (ft) below ground surface at boring locations where slag is identified.
2. All borings from 2020/2021 are depicted on the map.

0 125 250 Feet

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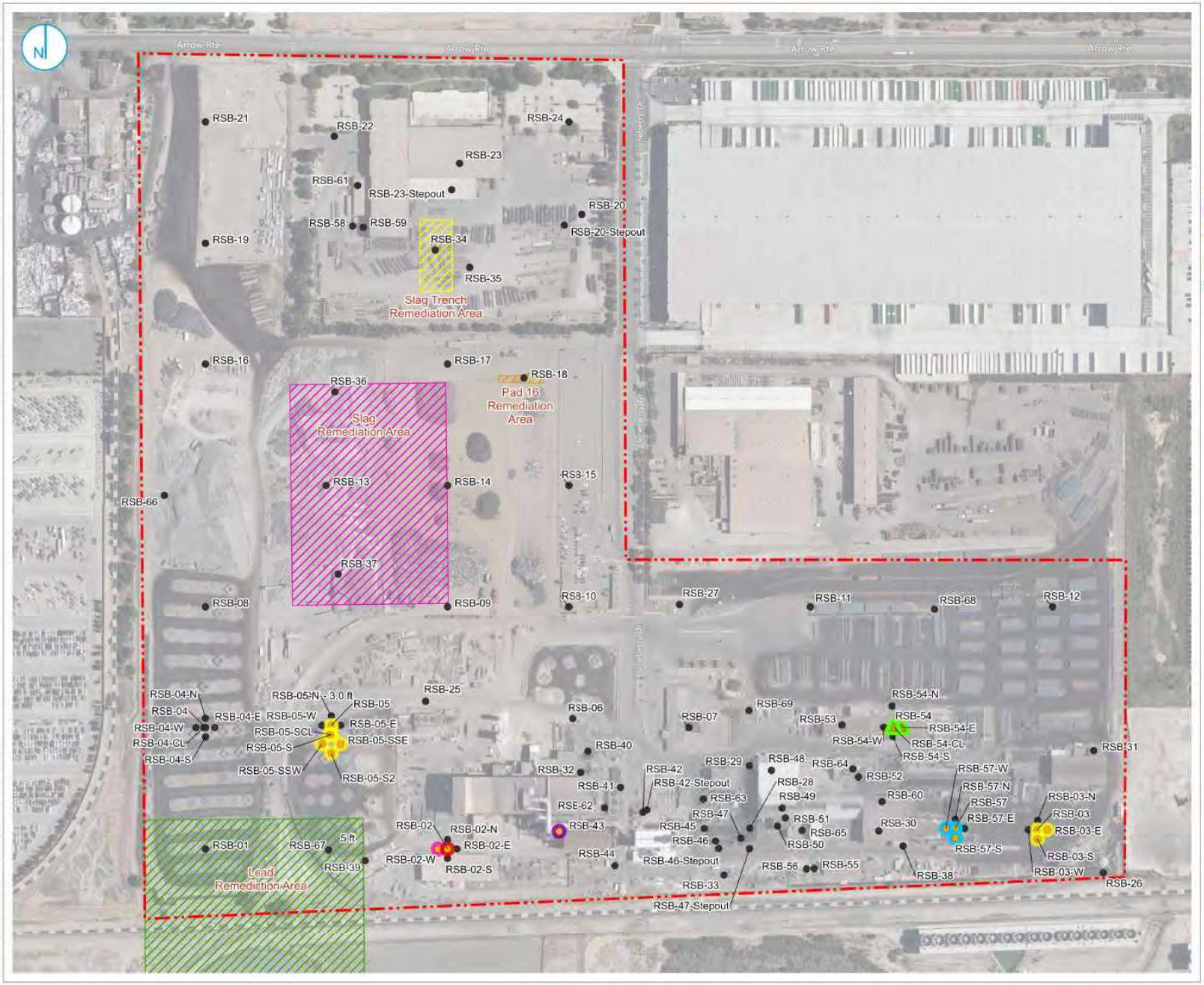
SLAG THICKNESS MAP

FIGURE 05

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Marloy Kwalle - Projects\CMC\03_GIS\20210209_PhaseII\Figures\PhaseII_Figures.aprx
PROJECT 1690017988 | DATED 4/27/2021 | DESIGNER AHIGGINS



- Boring Location (Ramboll, 2020/2021)
- Soil Commercial/Industrial Exceedance - DRO
- Soil Commercial/Industrial Exceedance - Lead
- Soil Commercial/Industrial (Lead) and Hazardous Waste Exceedance (Lead)
- Soil Commercial/Industrial (Lead) and Hazardous Waste Exceedance (Lead and Zinc)
- Soil Hazardous Waste Exceedance (Cadmium)
- Soil Vapor Commercial/Industrial Exceedance - PCE
- Slag Trench Remediation Area (DTSC, December 20, 2001)
- Slag Remediation Area (SBCFD, July 2, 2002)
- Pad 16 Remediation Area (DTSC, April 26, 2007)
- Lead Remediation Area (RWQCB-SA, November 7, 1990)
- Site Boundary

Notes
1. DRO: Diesel Range Organics
2. PCE: Tetrachloroethene
2. All borings from 2020/2021 are depicted on the map.

0 125 250 Feet

Confidential - Subject to Non-Disclosure Agreement

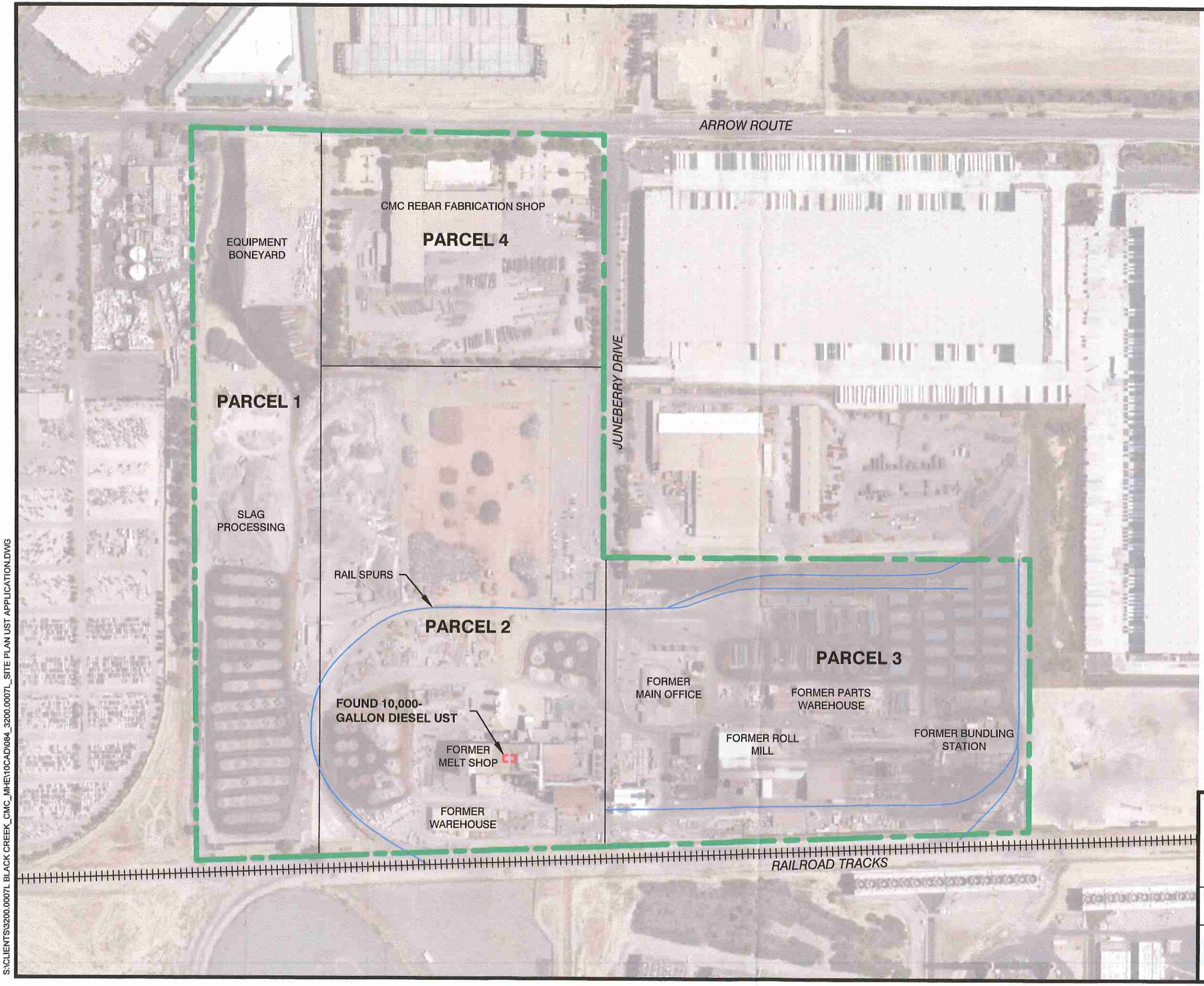
SUMMARY OF REGULATORY EXCEEDANCES IN SOIL AND SOIL VAPOR

FIGURE 06

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Marloy Kwalie - Projects\CMC\03_GIS\20210209_PhaseII\Figures\PhaseII_Figures.aprx
PROJECT 1690017988 | DATED 4/27/2021 | DESIGNER AHIGGINS



LEGEND

- PROPERTY BOUNDARY
- FOUND DIESEL UNDERGROUND STORAGE TANK (UST)

N

300' 0 300'

Title:

SITE PLAN

12459 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 25 APR 2023
Prepared by: D.Z.	Scale: 1" = 300'
Project Mgr: P.S.	Project: 3200.0007L
File: 084_3200.0007L_SITE PLAN UST APPLICATION.DWG	

FIGURE 2

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\084_3200.0007L_SITE PLAN UST APPLICATION.DWG

SELF-STORAGE
WAREHOUSE
INDUSTRIAL
ARROW ROUTE
CMC REBAR FABRICATION SHOP
PARCEL 4
INDUSTRIAL
EQUIPMENT BONEYARD
WASH AREA
FORMER 12,000-GALLON DIESEL UST
WAREHOUSE
WASH RACK
PARCEL 1
JUNEBERRY DRIVE
METAL SCRAP STORAGE
TREE ISLAND WIRE
VEHICLE AUCTION STORAGE
SLAG PROCESSING
WAREHOUSE
FORMER 12,000-GALLON GASOLINE AND DIESEL UST
PHOENIX INDUSTRIES MAINTENANCE & PROCESSING
PARCEL 2
PARCEL 3
FORMER 300-GALLON DIESEL UST
FORMER CHEMICAL STORAGE AREA
MAIN OFFICE
PARTS WAREHOUSE
RAIL SPURS
FORMER OPEN TOP CLARIFIER
MELT SHOP
ELECTRIC ARC FURNACE
ROLL MILL
BUNDLING STATION
VACANT LAND (DP ETIWANDA)
FORMER FUEL OIL USTS (TOTALING 50,000 GALLONS) AND POTENTIAL METALS-IMPACTED SOIL
INFILTRATION BASIN
WAREHOUSE & MAINTENANCE
FORMER 12,000-GALLON DIESEL USTS
RAILROAD TRACKS
STORMWATER DETENTION POND
STORMWATER DETENTION POND
APPROXIMATE GROUNDWATER FLOW DIRECTION
ETIWANDA GENERATING STATION

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

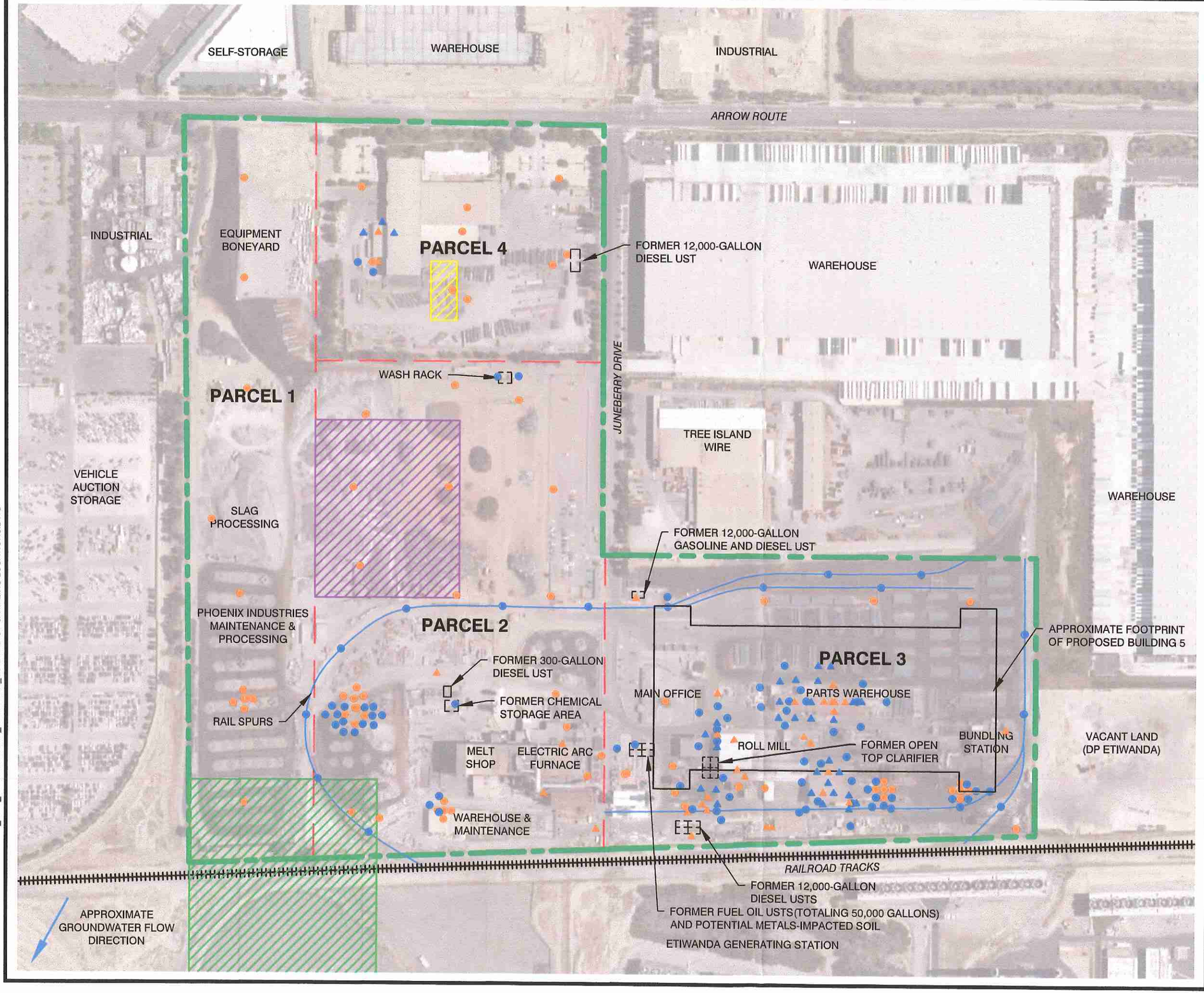
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 6 JULY 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	2A
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 053_3200.0007L_SITE PLAN.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\053_3200.0007L_SITE PLAN.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- RAMBOLL BORING LOCATION
- ROUX BORING LOCATION
- RAMROLL SOIL VAPOR BORING LOCATION
- ROUX SOIL VAPOR BORING LOCATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SAMPLE LOCATIONS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 6 JULY 2023
Prepared by: M.B.	Scale: AS SHOWN
Project Mgr: M.J.N.	Project: 3200.0007L
File: 068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG	

FIGURE 5

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\068_3200.0007L_SOIL AND SV SAMPLING LOCATIONS.DWG

ARROW HIGHWAY

NORTH

FONTANA STEEL PROPERTY

PARCEL 4

AMERON CORPORATION

CONCRETE PIPE PLANT

ENTRANCE

ENTRANCE ROAD

AMERON PROPERTY

EDISON PROPERTY

AMERON CORP. PROPERTY

PARKING

SCRAP STORAGE

TAMCO PROPERTY

WIRE MILL

AMERON STEEL & WIRE DIVISION

WIRE MILL WARE-HOUSE

AMERON CORP. PROPERTY

PARCEL 2

GUARD SHACK

SCALE HOUSE

FUEL TANKS

(MOBILE EQUIP.)

R.R. TRACKS

PARCEL 3

UNITED SLAG CORP.

PILE

SCRAP YARD

LUNCH ROOM

TAMCO MELTING & ROLLING FACILITIES

(LEASED PROPERTY, AMERON CORP OWNED, TAMCO LEASED)

BILLET STORAGE AREA

COOLING TOWER

DOLOMITE SILO

LIME SILO

MAIN OFFICES

WESTERN 7

FERROMET PROPERTY

FERROMET METAL SHREDDER

MELT SHOP

PILOT BINS

FAB. SHOP

BAG HOUSE

ROLL MILL

HOT BED

BUNGALOWS

MOBIL MAINT.

WAREHOUSE

WATER TOWER

WARE HOUSE

V&R GENERATOR BLDG.

EDISON Co SUBSTATION

TAMCO SUBSTA.

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY



LOCATOR MAP

NOTES

FIGURE SOURCE: 1983 TAMCO FUEL UST LOCATIONS

N

Title:

1983 TAMCO SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

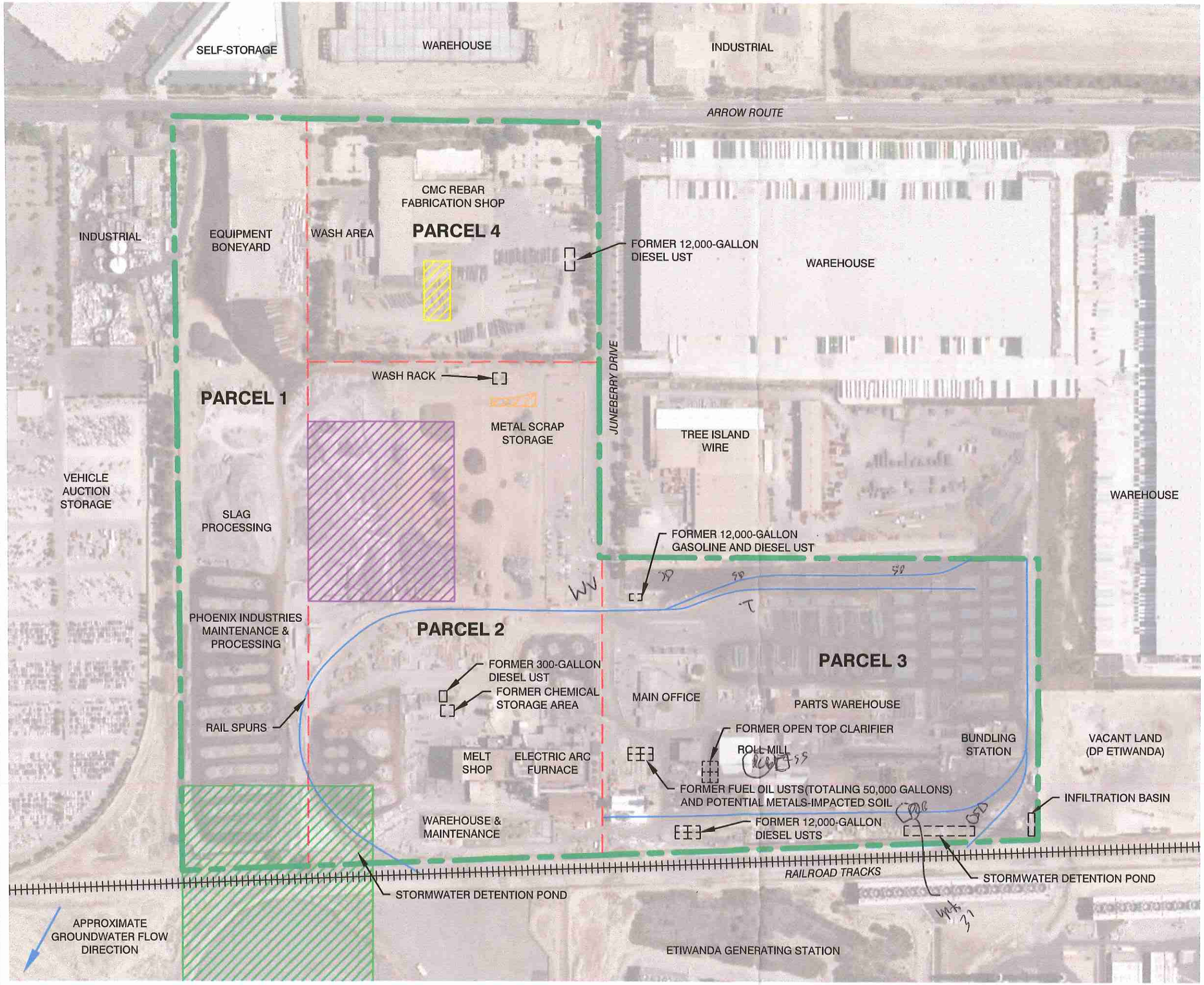
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.F.	Date: 7 AUG 2023	FIGURE
Prepared by: M.B.	Scale: NOT TO SCALE	4B
Project Mgr: P.S.	Project: 3200.0007L	
File: 103_3200.0007L_HISTORICAL SITE PLANS.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\103_3200.0007L_HISTORICAL SITE PLANS.DWG



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SLAG TRENCH REMEDIATION AREA (DTSC, DECEMBER 20, 2001)
- SLAG REMEDIATION AREA (SBCFD, JULY 2, 2002)
- PAD 16 REMEDIATION AREA (DTSC, APRIL 26, 2007)
- LEAD REMEDIATION AREA (RWQCB-SA, NOVEMBER 7, 1990)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

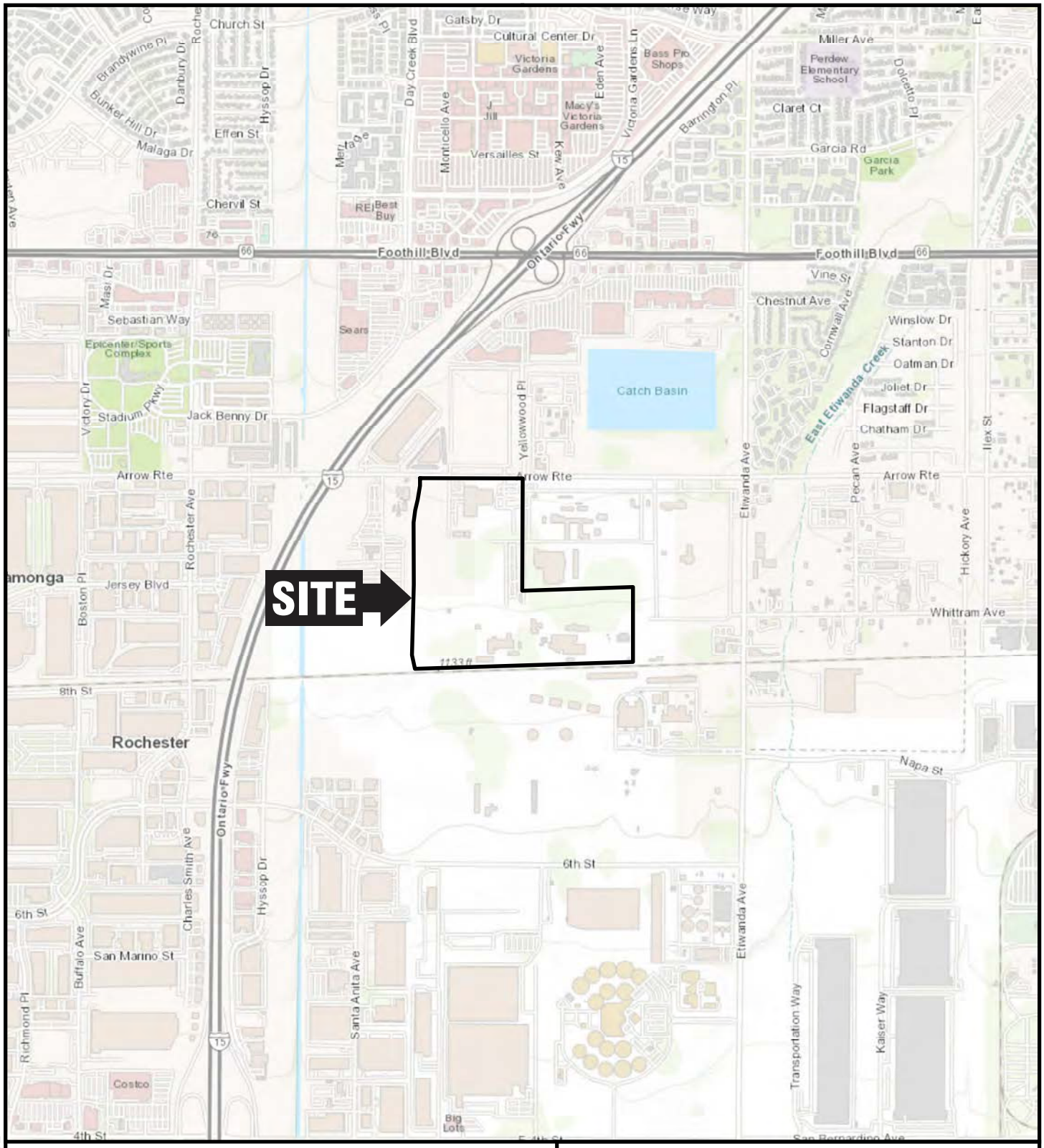
Prepared for:

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 6 JULY 2023	FIGURE
Prepared by: M.B.	Scale: AS SHOWN	2A
Project Mgr: M.J.N.	Project: 3200.0007L	
File: 053_3200.0007L_SITE PLAN.DWG		

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE110CAD\053_3200.0007L_SITE PLAN.DWG



LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

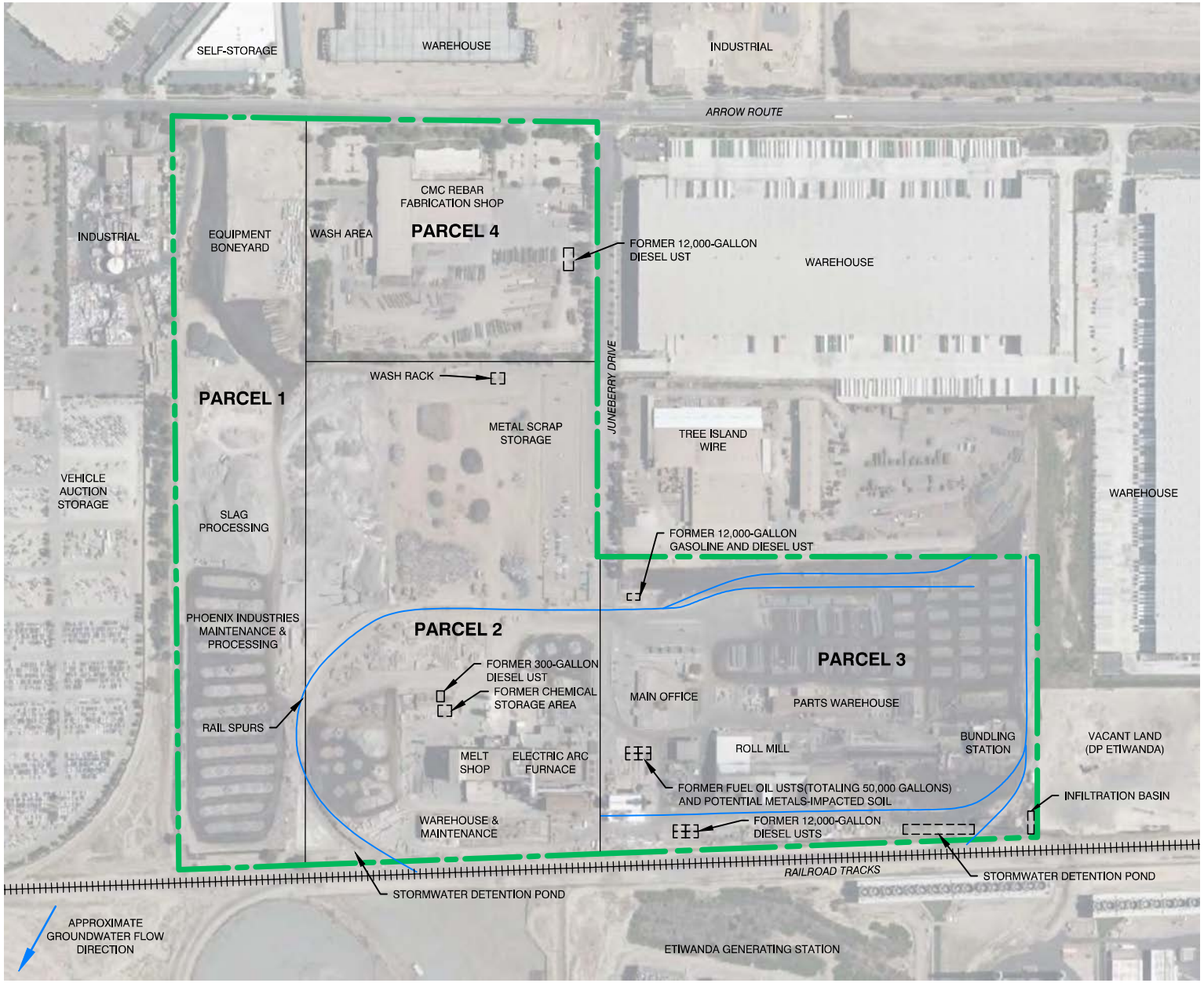
BTC III Arrow Route CC LP

ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: R.Q.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1

S:\GIS\PROJECTS\3200\0007L\100\3200.0007L-100.0.MXD



LEGEND

SITE BOUNDARY

APPROXIMATE GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SITE PLAN

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

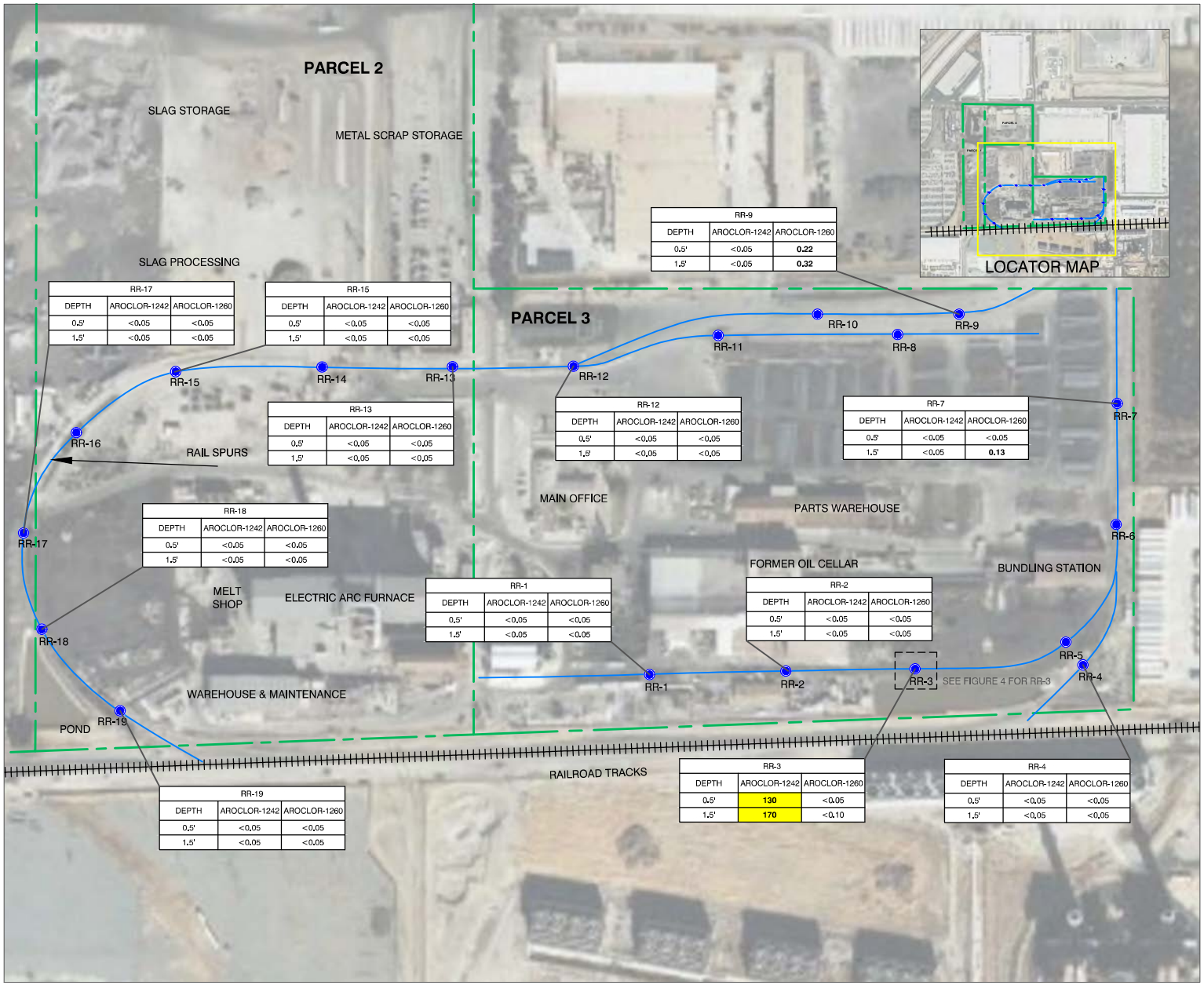
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 03 FEB 2023
Prepared by: M.B.	Scale: AS SHOWN
Project Mgr: M.J.N.	Project: 3200.0007L
File: 053_3200.0007L_SITE PLAN.DWG	

FIGURE 2

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\053_3200.0007L_SITE PLAN.DWG



RR-9		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	**0.22**
1.5'	<0.05	**0.32**

RR-17		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	<0.05

RR-15		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	<0.05

RR-13		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	<0.05

RR-12		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	<0.05

RR-7		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	**0.13**

RR-18		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	<0.05

RR-1		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	<0.05

RR-2		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	<0.05

RR-19		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	<0.05

RR-3		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	**130**	<0.05
1.5'	**170**	<0.10

RR-4		
DEPTH	AROCLOR-1242	AROCLOR-1260
0.5'	<0.05	<0.05
1.5'	<0.05	<0.05

LEGEND

- PARCEL BOUNDARIES
- RAIL SPURS
- RR-1 ROUX SOIL SAMPLE LOCATION

NOTES

1. UNITS IN MILLIGRAMS PER KILOGRAM (MG/KG)
2. DEPTH IS IN FEET BGS (BELOW GROUND SURFACE)
3. USEPA INDUSTRIAL SOIL REGIONAL SCREENING LEVELS FOR AROCLOR-1242 AND AROCLOR-1260 ARE 0.95, AND 0.99 MG/KG RESPECTIVELY
4. DTSC COMMERCIAL/INDUSTRIAL SOIL SCREENING LEVELS FOR AROCLOR-1242, AND AROCLOR-1260 ARE 0.58, AND 0.60 MG/KG, RESPECTIVELY
5. YELLOW HIGHLIGHT INDICATE RESULTS EXCEED BOTH SCREENING LEVELS
6. <X = NOT DETECTED: BELOW LABORATORY REPORTING LIMIT
7. ONLY THOSE AROCLORS DETECTED IN ONE OR MORE SAMPLES ABOVE LABORATORY REPORTING LIMITS ARE SHOWN

N

200' 0 200'

Title:

PCBS IN SHALLOW SOIL - RAILROAD SPUR

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

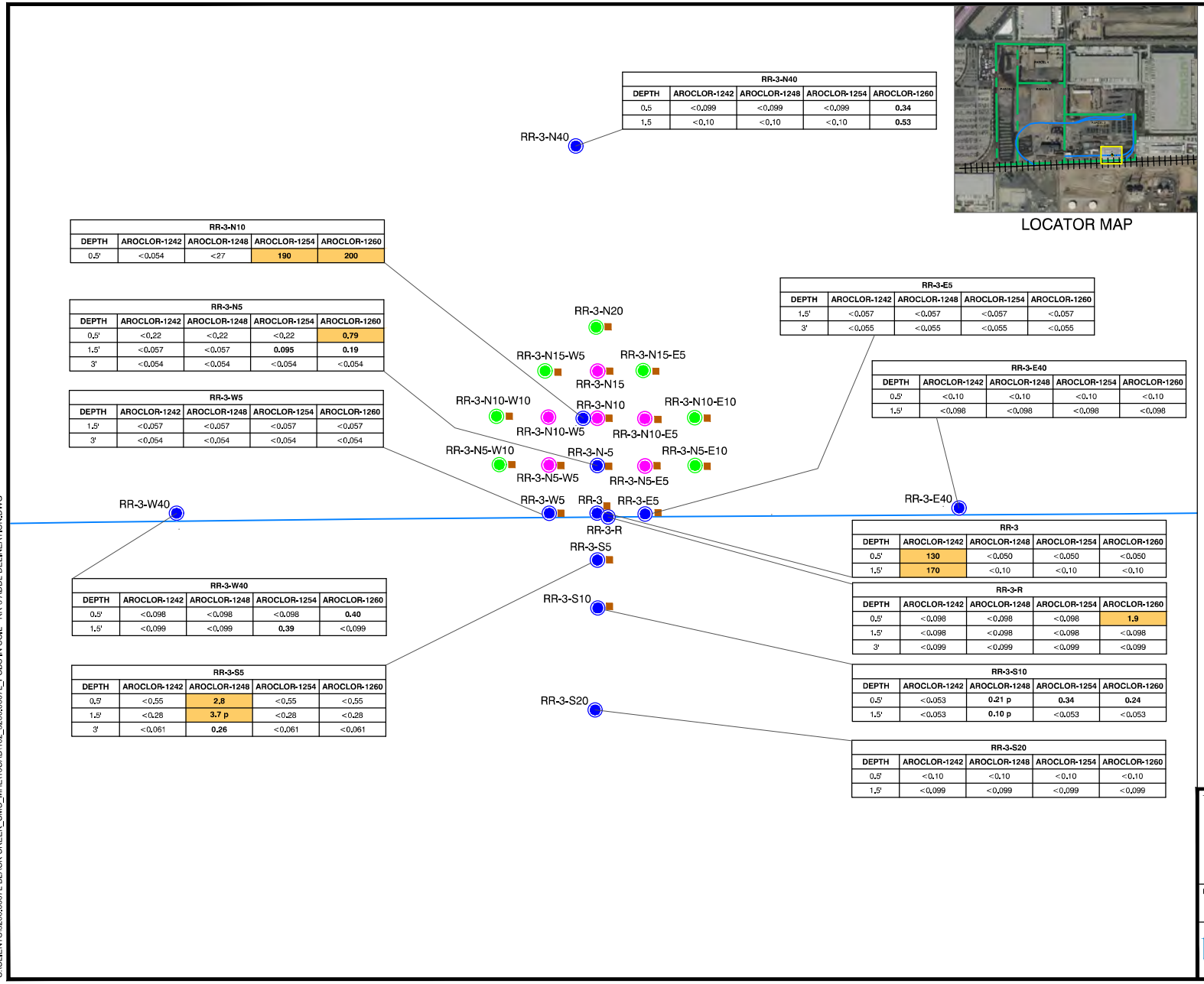
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 5 DEC 2022
Prepared by: A.P.	Scale: AS SHOWN
Project Mgr: P.S.	Project: 3200.0007L
File: S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\057_3200.0007L_SITE PLAN AND RAIL SPUR WITH PCB DATA.DWG	

FIGURE 3

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\057_3200.0007L_SITE PLAN AND RAIL SPUR WITH PCB DATA.DWG



RR-3-N40				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5	<0.099	<0.099	<0.099	**0.34**
1.5	<0.10	<0.10	<0.10	**0.53**

RR-3-N10				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5'	<0.054	<27	**190**	**200**

RR-3-N5				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5'	<0.22	<0.22	<0.22	**0.79**
1.5'	<0.057	<0.057	**0.095**	**0.19**
3'	<0.054	<0.054	<0.054	<0.054

RR-3-W5				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
1.5'	<0.057	<0.057	<0.057	<0.057
3'	<0.054	<0.054	<0.054	<0.054

RR-3-W40				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5'	<0.098	<0.098	<0.098	**0.40**
1.5'	<0.099	<0.099	**0.39**	<0.099

RR-3-S5				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5'	<0.55	**2.8**	<0.55	<0.55
1.5'	<0.28	**3.7 p**	<0.28	<0.28
3'	<0.061	**0.26**	<0.061	<0.061

RR-3-E5				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
1.5'	<0.057	<0.057	<0.057	<0.057
3'	<0.055	<0.055	<0.055	<0.055

RR-3-E40				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5'	<0.10	<0.10	<0.10	<0.10
1.5'	<0.098	<0.098	<0.098	<0.098

RR-3				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5'	**130**	<0.050	<0.050	<0.050
1.5'	**170**	<0.10	<0.10	<0.10

RR-3-R				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5'	<0.098	<0.098	<0.098	**1.9**
1.5'	<0.098	<0.098	<0.098	<0.098
3'	<0.099	<0.099	<0.099	<0.099

RR-3-S10				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5'	<0.053	**0.21 p**	**0.34**	**0.24**
1.5'	<0.053	**0.10 p**	<0.053	<0.053

RR-3-S20				
DEPTH	AROCLOR-1242	AROCLOR-1248	AROCLOR-1254	AROCLOR-1260
0.5'	<0.10	<0.10	<0.10	<0.10
1.5'	<0.099	<0.099	<0.099	<0.099

LOCATOR MAP

LEGEND

- PARCEL BOUNDARIES
- RAIL SPURS
- ROUX SOIL SAMPLE LOCATION
- PROPOSED SOIL SAMPLE LOCATION
- PROPOSED CONTINGENCY SOIL SAMPLES
- PROPOSED ASPHALT SAMPLE LOCATION

NOTES

1. UNITS IN MILLIGRAMS PER KILOGRAM (MG/KG).
2. DEPTH IS IN FEET BGS (BELOW GROUND SURFACE).
3. USEPA INDUSTRIAL SOIL REGIONAL SCREENING LEVELS FOR AROCLOR-1242, AROCLOR-1248, AROCLOR-1254, AND AROCLOR-1260 ARE 0.95, 0.94, 0.97, AND 0.99 MG/KG, RESPECTIVELY.
4. DTSC COMMERCIAL/INDUSTRIAL SOIL SCREENING LEVELS FOR AROCLOR-1242, AROCLOR-1248, AROCLOR-1254, AND AROCLOR-1260 ARE 0.58, 0.58, 0.59, AND 0.60 MG/KG, RESPECTIVELY.
5. ORANGE HIGHLIGHT INDICATES RESULTS EXCEED BOTH SCREENING LEVELS.
6. <X = NOT DETECTED BELOW LABORATORY REPORTING LIMIT.
11. p = THE %RPD BETWEEN THE PRIMARY AND CONFIRMATION COLUMN/DETECTOR IS >40%. THE LOWER VALUE HAS BEEN REPORTED.
12. ONLY THOSE AROCLORS DETECTED IN ONE OR MORE SAMPLES ABOVE LABORATORY REPORTING LIMITS ARE SHOWN.
13. PROPOSED SOIL SAMPLES AT 0.5, 1.5, AND 3.0 FEET BGS EXCEPT RR-3-N10 AT 1.5 AND 3.0 FEET BGS. HOLD SOIL SAMPLES AT 1.5 AND 3.0 FEET BGS (EXCEPT RR-3-N10).
14. PROPOSED CONTINGENCY SOIL SAMPLES AT 0.5, 1.5, AND 3.5 FEET BGS. HOLD ALL CONTINGENCY SOIL SAMPLES PENDING RESULTS OF PROPOSED SOIL SAMPLES.
15. ALL PROPOSED SAMPLE LOCATIONS ARE APPROXIMATE.

N

10' 0 10'

Title:

PCBS IN SHALLOW SOIL - RR-3 DELINEATION ADDITIONAL SAMPLES

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

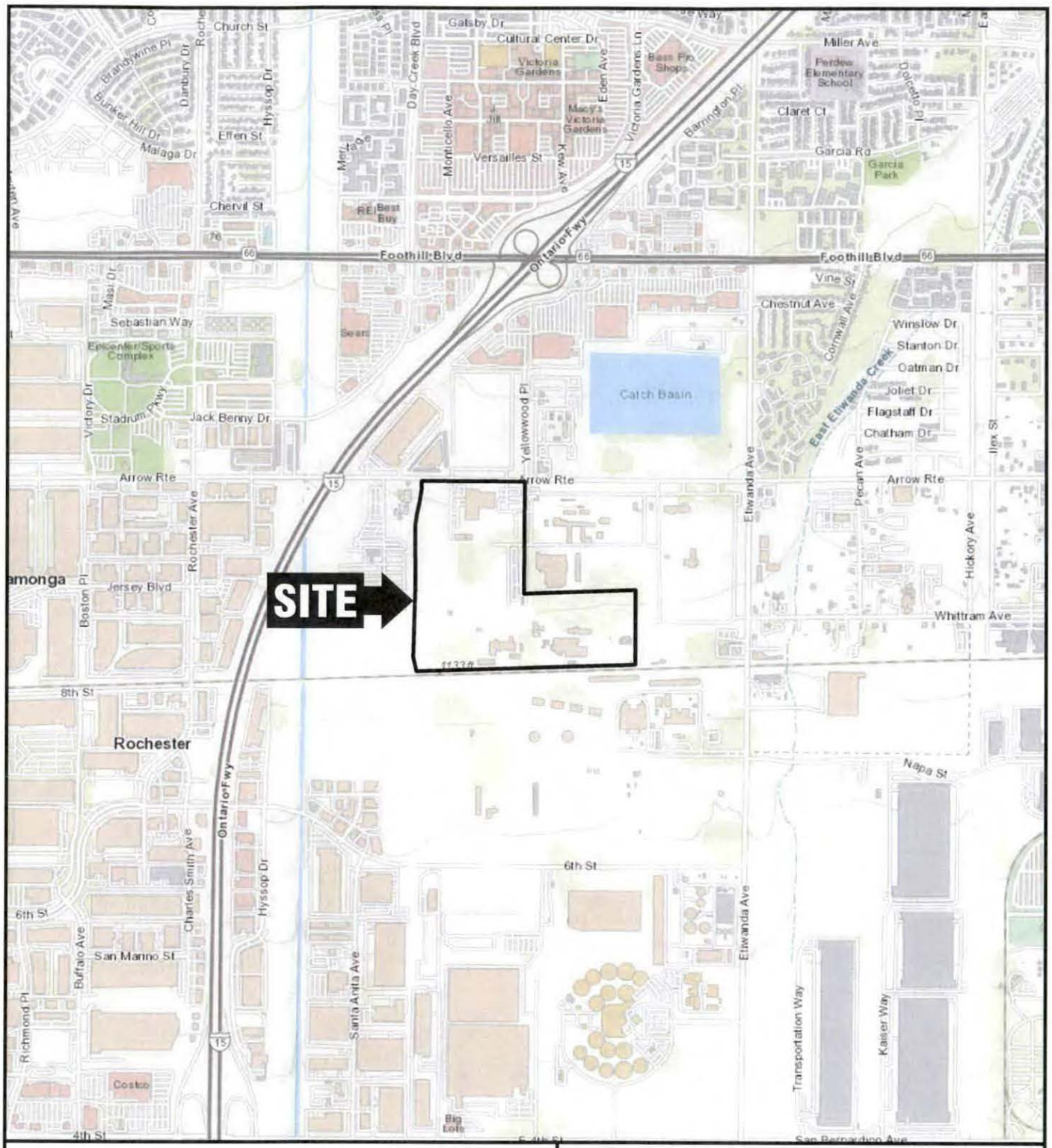
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: A.P.	Date: 25 AUG 2023
Prepared by: T.C.	Scale: AS SHOWN
Project Mgr: P.S.	Project: 3200.0007L
File: S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\102_3200.0007L_PCBS IN SOIL - RR-3 ADDL DELINEATION.DWG	

FIGURE 4

S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\10CAD\102_3200.0007L_PCBS IN SOIL - RR-3 ADDL DELINEATION.DWG



LOCATION OF DETAIL



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

12451 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

Prepared for:

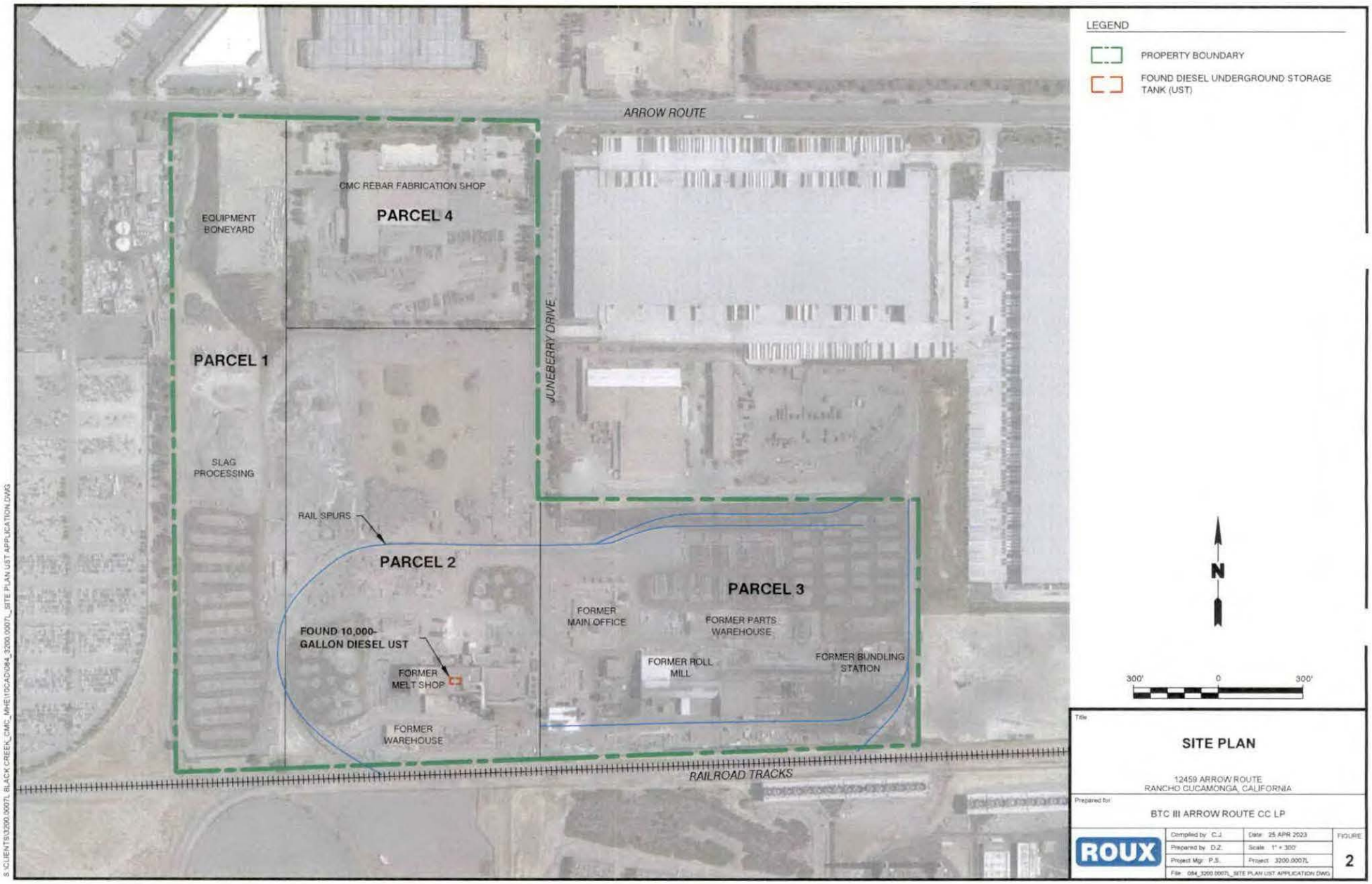
BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.M.	Date: 09/16/21
Prepared by: C.M.	Scale: As Shown
Project Mgr: M.J.N.	Project: 3200.0007L
File: 3200.0007L100.0.mxd	

FIGURE 1

S:\GIS\PROJECTS\3200\0007L\100\3200.0007L100.0.MXD



S:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\11DCAD\084_3200.0007L_SITE PLAN UST APPLICATION.DWG

Title

SITE PLAN

12459 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

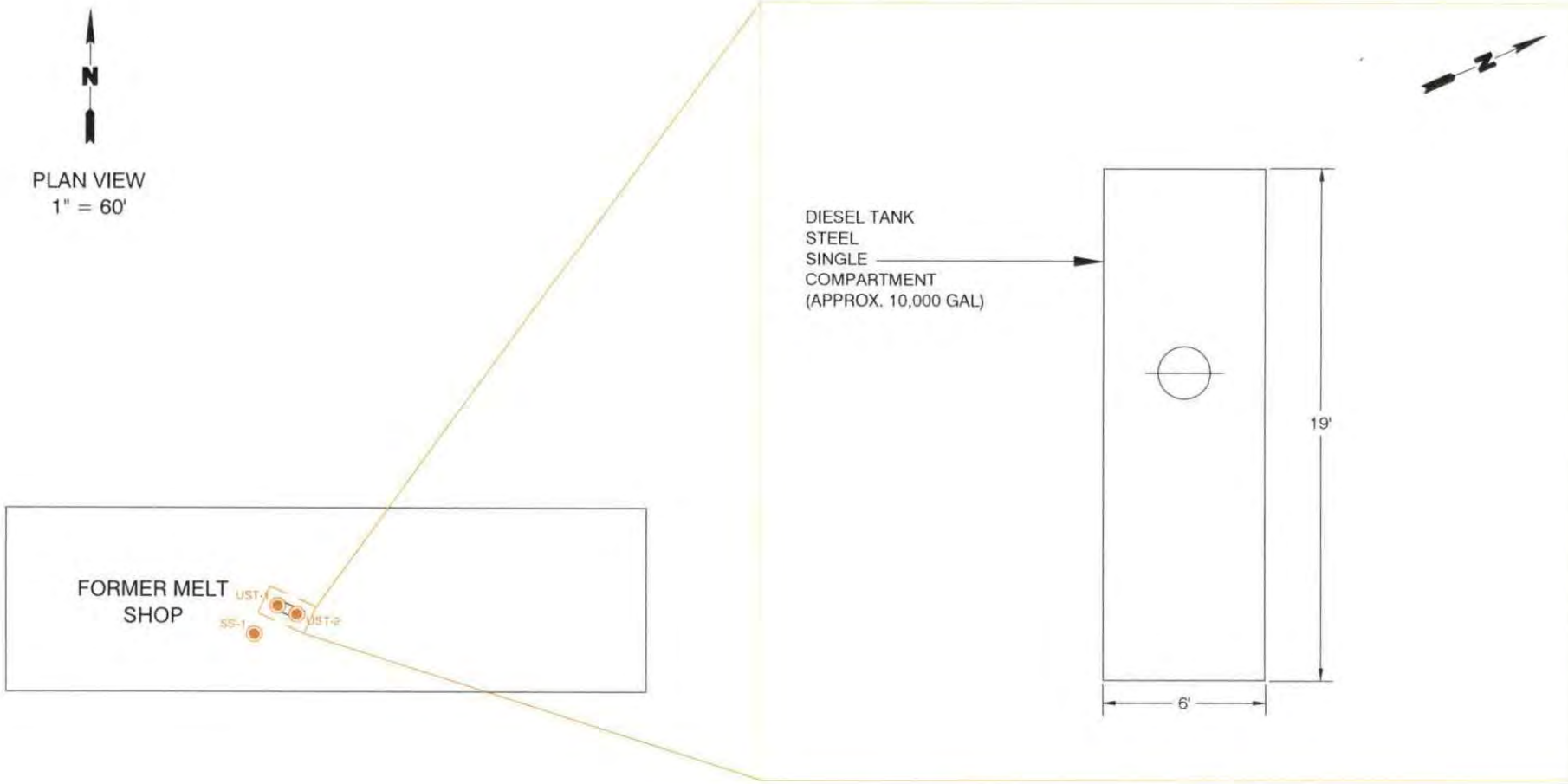
Prepared for

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: C.J.	Date: 25 APR 2023
Prepared by: D.Z.	Scale: 1" = 300'
Project Mgr: P.S.	Project: 3200.0007L
File: 084_3200.0007L_SITE PLAN UST APPLICATION.DWG	

FIGURE 2



LEGEND

SOIL SAMPLE LOCATION

Title

UST SITE PLAN AND CONFIRMATION SAMPLE LOCATIONS

12459 ARROW ROUTE
RANCHO CUCAMONGA, CALIFORNIA

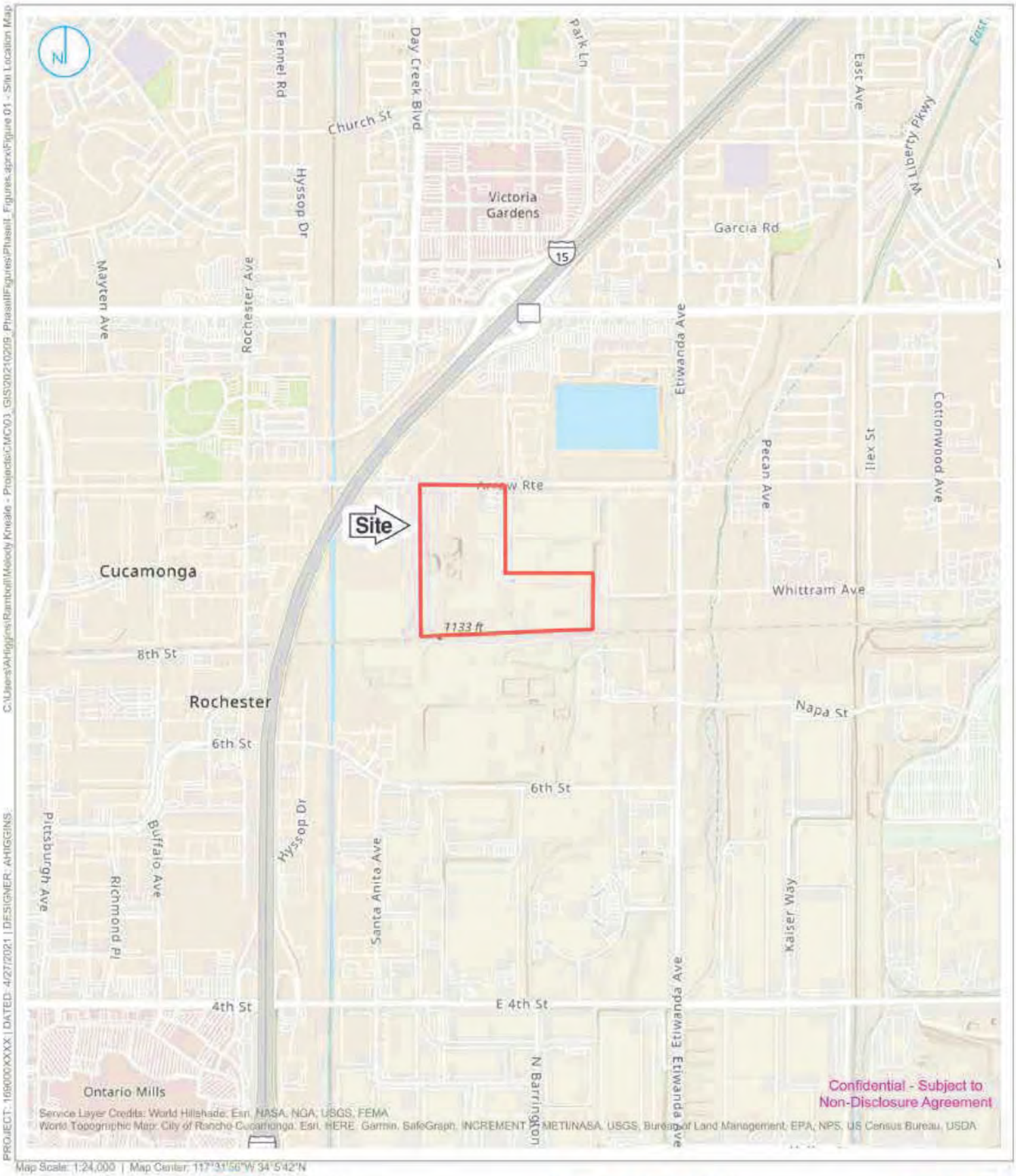
Prepared for

BTC III ARROW ROUTE CC LP

ROUX

Compiled by: O.Z.	Date: 1 MAY 2023	FIGURE
Prepared by: O.Z.	Scale: AS SHOWN	3
Project Mgr: P.S.	Project: 3200.0007L	
File: 085_3200.0007L_UST DIAGRAM.DWG		

G:\CLIENTS\3200.0007L BLACK CREEK_CMC_MHE\110CAD\085_3200.0007L_UST DIAGRAM.DWG



C:\Users\AHiggins\Ramboll\Melody Kneale - Projects\CMC\03_GIS\20210209_PhaseIIFigures\PhaseII_Figures.aprx\Figure 01 - Site Location Map

PROJECT: 169000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS

Map Scale: 1:24,000 | Map Center: 117°31'56"W 34°5'42"N

Site Boundary



KEY MAP (not to scale)

0 1,000 2,000 Feet

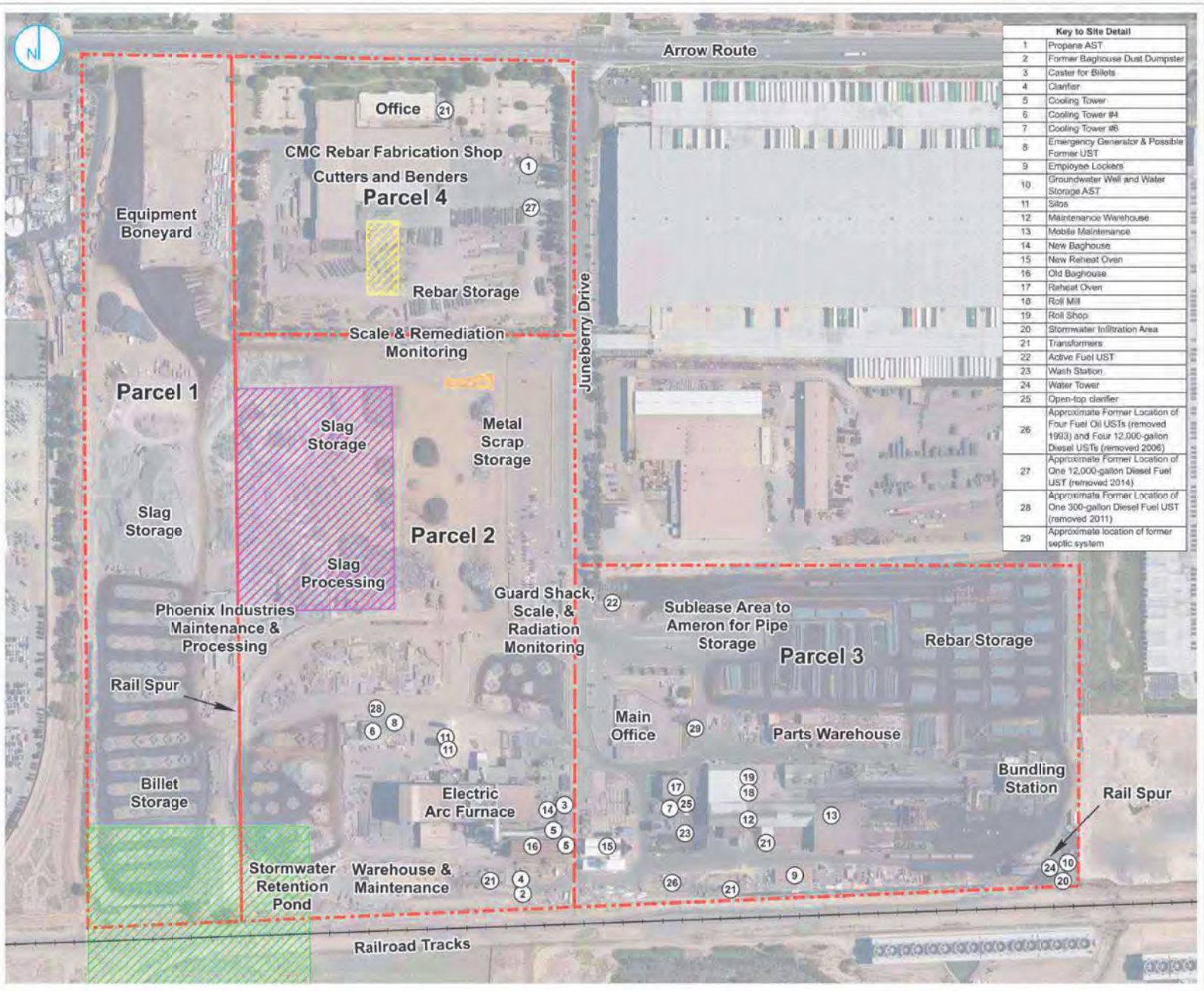
SITE LOCATION

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 01

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL



Key to Site Detail	
1	Propane AST
2	Former Baghouse Dust Dumpster
3	Caster for Billets
4	Clarifier
5	Cooling Tower
6	Cooling Tower #4
7	Cooling Tower #6
8	Emergency Generator & Possible Former UST
9	Employee Lockers
10	Groundwater Well and Water Storage AST
11	Silos
12	Maintenance Warehouse
13	Mobile Maintenance
14	New Baghouse
15	New Reheat Oven
16	Old Baghouse
17	Reheat Oven
18	Roll Mill
19	Roll Shop
20	Stormwater Infiltration Area
21	Transformers
22	Active Fuel UST
23	Wash Station
24	Water Tower
25	Open-top clarifier
26	Approximate Former Location of Four Fuel Oil USTs (removed 1993) and Four 12,000-gallon Diesel USTs (removed 2006)
27	Approximate Former Location of One 12,000-gallon Diesel Fuel UST (removed 2014)
28	Approximate Former Location of One 300-gallon Diesel Fuel UST (removed 2011)
29	Approximate location of former septic system

- UST Removal Area
- Slag Trench Remediation Area (DTSC, December 20, 2001)
- Slag Remediation Area (SBCFD, July 2, 2002)
- Pad 16 Remediation Area (DTSC, April 26, 2007)
- Lead Remediation Area (RWQCB-SA, November 7, 1990)
- Site Boundary

Notes

1. All locations are approximate
2. DTSC = Department of Toxic Substances Control
3. RWQCB = Regional Water Quality Control Board
4. SBCFD = San Bernardino County Fire Department
5. AST = Aboveground storage tank
6. UST = Underground storage tank

0 125 250 Feet

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SITE LAYOUT MAP

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 02

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Mandy Kneale - Projects\CMC\03_GIS\2021\0200_Phase\Figures\Phase1_Figures.aprx\Figure 02 - Site Map
PROJECT: 1690000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS



Grid Soil Sample Location
Soil Sample Location
Soil/Soil Vapor Sample Location
Step-out Soil Sample Location
Step-out Soil Vapor Sample Location
Site Parcel

0 125 250 Feet

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BORING LOCATION MAP

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

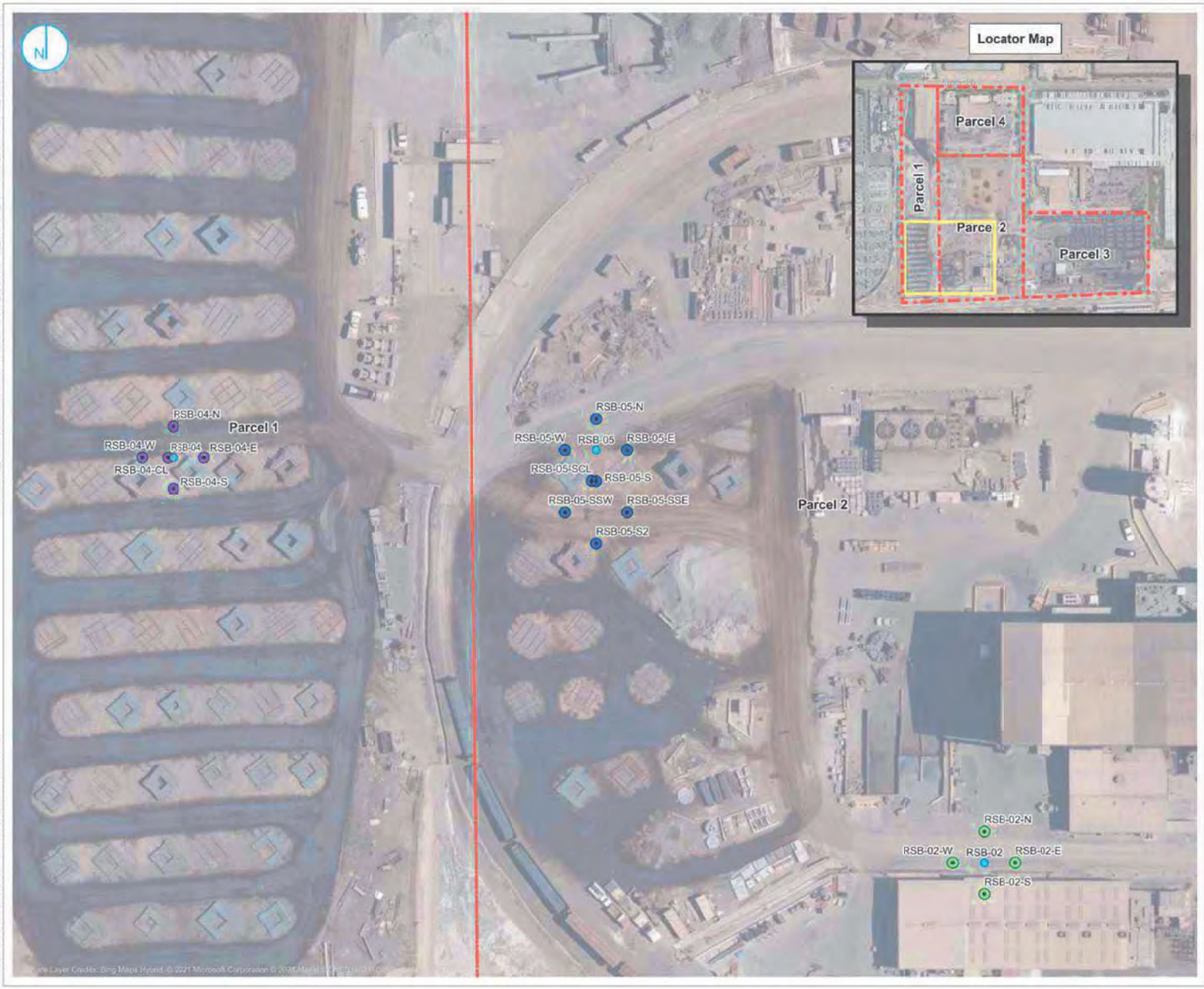
FIGURE 03

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS

C:\Users\AHiggins\Ramboll\Melody Kneale - Projects\CMC\33_GIS\2021\0209_Phase\Figures\Phase_Figures.aprx\Figure 03 - Boring Locations



STEP-OUT DETAIL MAP
PARCELS 1 & 2

Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 04A

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Melody Kreate - Projects\CMC\03_GIS\20210209_Phase\Figures\Phase_Figures.aprx\Figure 04A - Stepout Locations
PROJECT: 1690000XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS



- Grid Soil Sample Location
- Soil Sample Location
- Soil/Soil Vapor Sample Location
- Step-Out Soil Sample Location for Analysis of Lead
- Step-Out Soil Sample Location for Analysis of Total Petroleum Hydrocarbons
- Step-Out Soil Vapor Sample Location for Analysis of Volatile Organic Compounds
- Site Parcel

0 37.5 75 Feet

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STEP-OUT DETAIL MAP
PARCEL 3

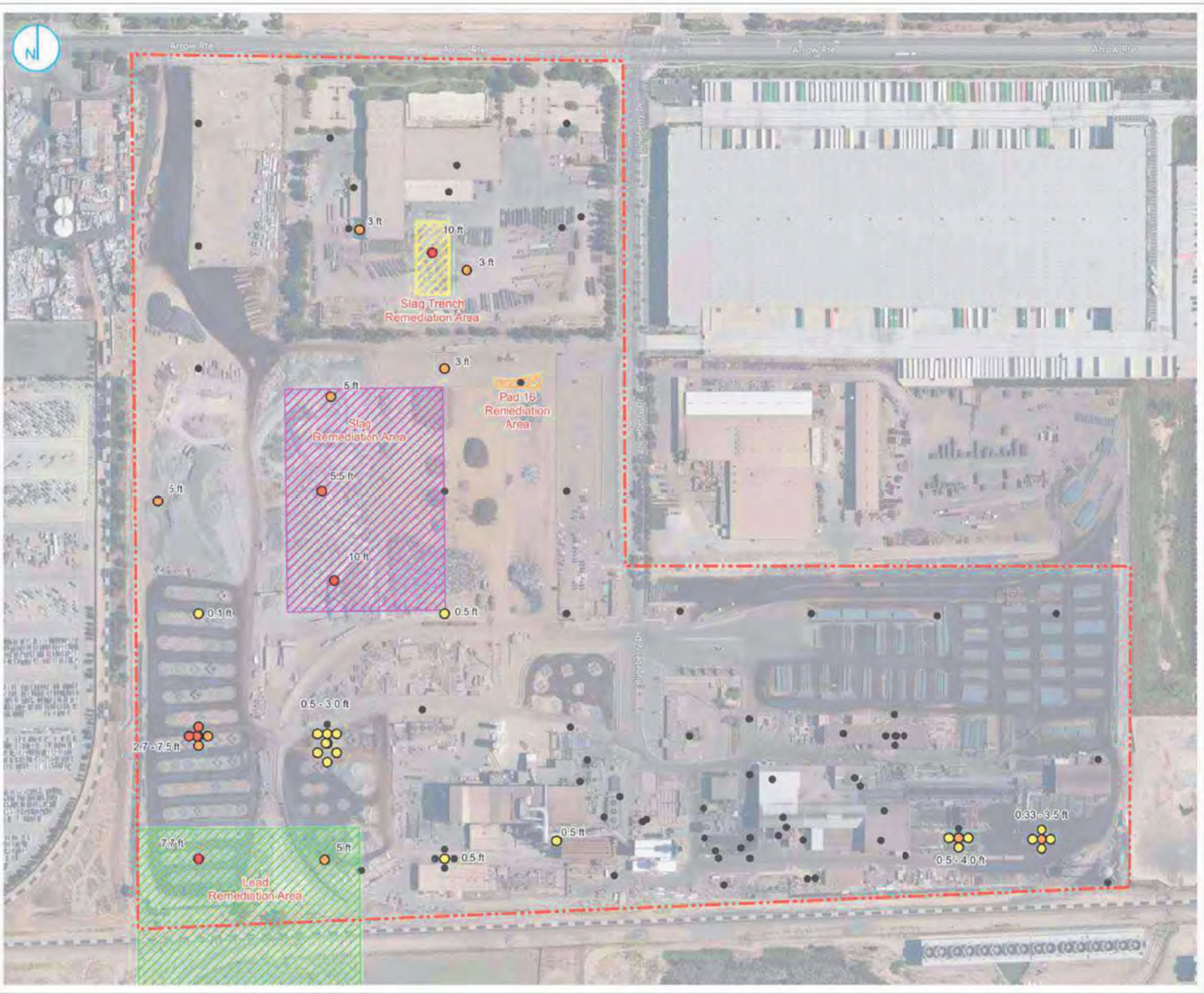
Commercial Metals Company
12459-B Arrow Route
Rancho Cucamonga, California

FIGURE 04B

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Melody Knade - Projects\CMC\03_GIS\20210209_Phase\Figures\Phase_Figures.aprx\Figure 04B - Stepout Locations
PROJECT: 1690010XXXX | DATED: 4/27/2021 | DESIGNER: AHIGGINS



Slag Thickness (feet) at Boring Locations

- No slag encountered
- 0 - 2.5
- 2.6 - 5.0
- 5.1 - 7.5
- 7.6 - 10
- Site Boundary
- Slag Trench Remediation Area (DTSC, December 20, 2001) *
- Slag Remediation Area (SBCFD, July 2, 2002)
- Pad 16 Remediation Area (DTSC, April 26, 2007)
- Lead Remediation Area (RWQCB-SA, November 7, 1990)

Notes

1. Slag thickness depicted in feet (ft) below ground surface at boring locations where slag is identified.
2. All borings from 2020/2021 are depicted on the map.

0 125 250 Feet

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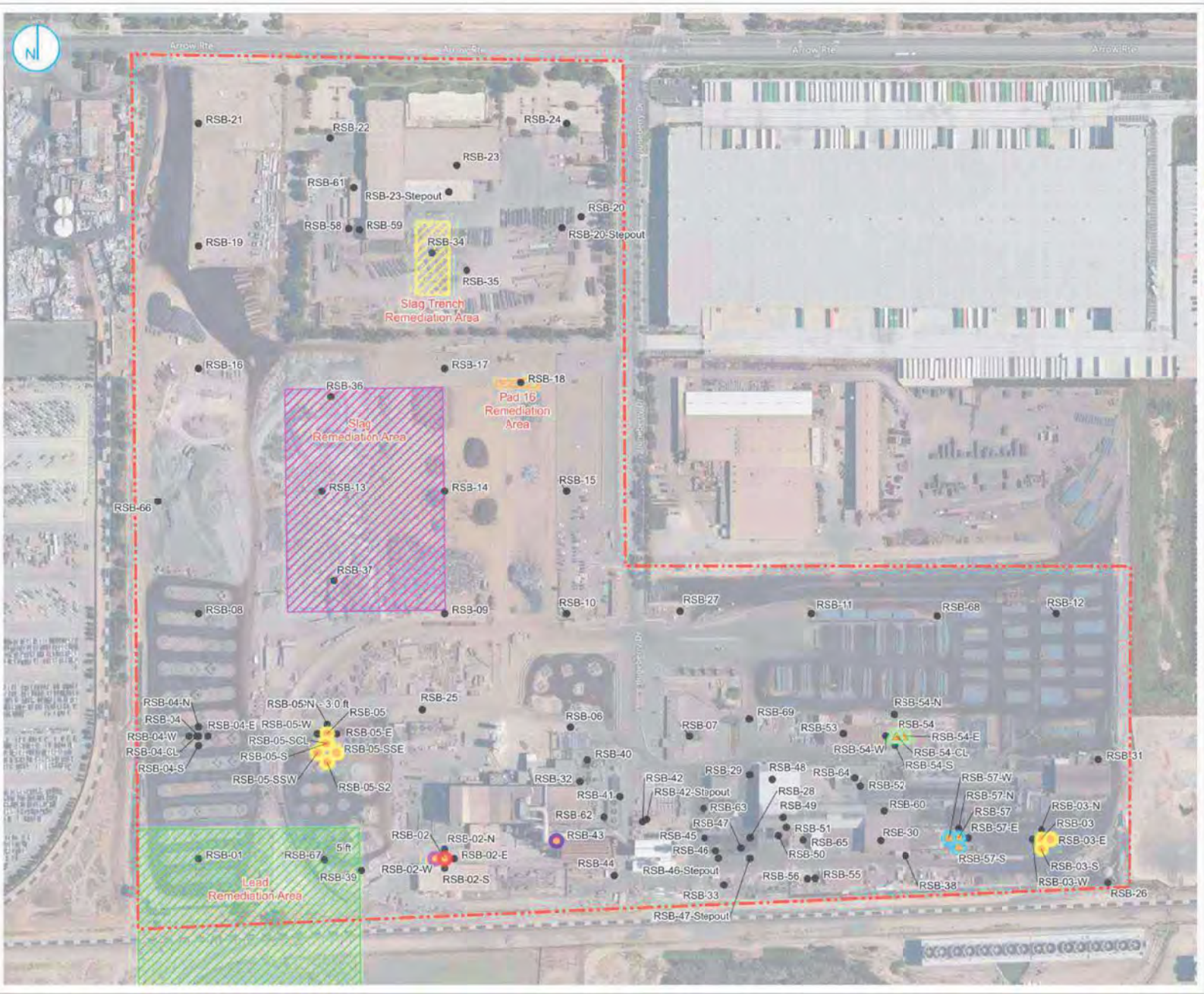
SLAG THICKNESS MAP

FIGURE 05

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\AHiggins\Ramboll\Malissy Kravale - Projects\CM\C03_GIS\20210099_Phase\Figures\Phase_Figures.aprx
PROJECT: 1000017866 | DATED: 4/27/2021 | DESIGNER: AHIGGINS



- Boring Location (Ramboll, 2020/2021)
- Soil Commercial/Industrial Exceedance - DRO
- Soil Commercial/Industrial Exceedance - Lead
- Soil Commercial/Industrial (Lead) and Hazardous Waste Exceedance (Lead)
- Soil Commercial/Industrial (Lead) and Hazardous Waste Exceedance (Lead and Zinc)
- Soil Hazardous Waste Exceedance (Cadmium)
- Soil Vapor Commercial/Industrial Exceedance - PCE
- Slag Trench Remediation Area (DTSC, December 20, 2001)
- Slag Remediation Area (SBCFD, July 2, 2002)
- Pad 16 Remediation Area (DTSC, April 26, 2007)
- Lead Remediation Area (RWQCB-SA, November 7, 1990)
- Site Boundary

Notes
1. DRO: Diesel Range Organics
2. PCE: Tetrachloroethene
2. All borings from 2020/2021 are depicted on the map.

0 125 250 Feet

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SUMMARY OF REGULATORY EXCEEDANCES IN SOIL AND SOIL VAPOR

FIGURE 06

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

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